88 SEAC-3 Day 01

SEAC Meeting number: 88 **Meeting Date** May 28, 2019

Subject: Environment Clearance for Residential Construction Project

Is a Violation Case: No

1.Name of Project	Sukhwani Hermosa Casa
2.Type of institution	Private
3.Name of Project Proponent	Mr. Sagar Sukhwani
4.Name of Consultant	EMP Consultant ; Oasis Environmental Foundation - Accreated by NABET (The scope of consultancy is limited to preparation of Environment Management Plan only.) In accordance with EIA Amendment Notification dated 3 March 2016.
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	S.No. 51, Mundhwa
9.Taluka	Haveli
10.Village	Mundhwa
Correspondence Name:	Mr. Shashank Tatke
Room Number:	C - 60
Floor:	3rd
Building Name:	Soba Park
Road/Street Name:	Aashish Garden Road
Locality:	Kothrud
City:	Pune
11.Area of the project	PMC
12.IOD/IOA/Concession/Plan Approval Number	Application for sanction plan is in Process
	IOD/IOA/Concession/Plan Approval Number: Application for sanction plan is in Process
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	19240.18 sq.m
16.Deductions	3882.93 sq.m
17.Net Plot area	15357.25 sq.m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 46069.49 sq.m
	b) Non FSI area (sq. m.): 41991.05 sq.m
	c) Total BUA area (sq. m.): 88060.54
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval: 19-01-2019
19.Total ground coverage (m2)	5782.43
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	38 %
21.Estimated cost of the project	2120000000

22.Number of buildings & its configuration

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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building A	B + G + Podium + 13 Floors	42.75
2	Building B	B + G + Podium + 13 Floors	42.75
3	Building C	B + G + Podium + 13 Floors	42.75
4	Building D	B + G + Podium + 13 Floors	42.75
5	Building E	B + G + Podium + 13 Floors	42.75
6	Building F	B + G + Podium + 13 Floors	42.75
7	Building G	B + G + Podium + 12 Floors	39.90
8	Building G (MHADA)	B + G + Podium + 12 Floors	39.90

23.Number of tenants and shops	Tenements - 683
24.Number of expected residents / users	3415
25.Tenant density per hectare	250
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	36
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9
29.Existing structure (s) if any	Temperately shades
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	NA	NA	NA	NA

32.Total Water Requirement

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Dry season:	**Source of water**	PMC
	Fresh water (CMD):	310 KLD
	Recycled water - Flushing (CMD):	154 KLD
	Recycled water - Gardening (CMD):	25 KLD
	Swimming pool make up (Cum):	3 KLD
	Total Water Requirement (CMD) :	492 KLD
	Fire fighting - Underground water tank(CMD):	400 KLD
	Fire fighting - Overhead water tank(CMD):	20 KLD/Building
	Excess treated water	239 KLD
Wet season:	**Source of water**	PMC
	Fresh water (CMD):	310 KLD
	Recycled water - Flushing (CMD):	154 KLD
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	3 KLD
	Total Water Requirement (CMD) :	467 KLD
	Fire fighting - Underground water tank(CMD):	400 KLD
	Fire fighting - Overhead water tank(CMD):	20 KLD/Building
	Excess treated water	264 KLD
Details of Swimming pool (If any)	Swimming pool size - 32'10" x 15'3" Water requirement for swimming pool - 57 KL Water make up for swimming pool - 3 KL	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Gardening	NA	25 KLD	25 KLD	NA	25 KLD	25 KLD	NA	NA	NA
Fresh water requirement	NA	310 KLD	310 KLD	NA	31 KLD	31 KLD	NA	279 KLD	279 KLD

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	12-15 m BGL
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	12 Nos.
	Size of recharge pits :	3m X 3m x 2m
	Budgetary allocation (Capital cost) :	Rs. 10 Lakh
	Budgetary allocation (O & M cost) :	Rs. 1.5 Lakh
	Details of UGT tanks if any :	Raw Water Tank - 25 KLD Utility Water tank - 480 KLd Drinking Water Tank - 25 KLD Fire Fighting Tank - 400 KLD Recycled Water tank - 180 KLD
35.Storm water drainage	**Natural water drainage pattern:**	As per Contour
	Quantity of storm water:	10.8 m3/min.
	Size of SWD:	600 mm
Sewage and Waste water	**Sewage generation in KLD:**	418 KLD
	STP technology:	MMBR
	Capacity of STP (CMD):	1 No. , STP Capacity - 420 KLD
	Location & area of the STP:	Location - As per Layout , Area - 173 sq.m
	Budgetary allocation (Capital cost):	Rs. 110 Lakh
	Budgetary allocation (O & M cost):	Rs. 19 Lakh
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	1 % of waste material
	Disposal of the construction waste debris:	Excavated earth material will be used as filling material for plinth area & top soil will be used for landscaping
Waste generation in the operation Phase:	**Dry waste:**	683 Kg/day
	Wet waste:	1025 Kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	47 Kg/day
	Others if any:	E waste - 1708 Kg/year

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Mode of Disposal of waste:	**Dry waste:**	Through Authorized Vendor
	Wet waste:	Through mechanical composting
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	47 Kg/day
	Others if any:	Through Authorized vendor
Area requirement:	**Location(s):**	As per layout
	Area for the storage of waste & other material:	11.9 sq.m
	Area for machinery:	30 sq.m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 30 Lakh
	O & M cost:	Rs. 7 Lakh

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	---	7 - 8.5	6.5 - 7.5	Not applicable
2	Total Suspended Solids	mg/lit	200-300	< 10	Not to exceed 50 mg/lit
3	BOD	mg/lit	250-300	< 10	Not to exceed 10 mg/lit
4	COD	mg/lit	300-400	< 30	Not to exceed 100 mg/lit
5	Oil & Grease	mg/lit	10	< 5	---
6	TDS	mg/lit	---	< 1000	---

Amount of effluent generation (CMD):	NA
Capacity of the ETP:	NA
Amount of treated effluent recycled :	NA
Amount of water send to the CETP:	NA
Membership of CETP (if require):	NA
Note on ETP technology to be used	NA
Disposal of the ETP sludge	NA

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	NA	NA	NA	NA	NA	NA	NA

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	DG set	56.5 lit/hr	1	7.5 m	0.15	0

40.Details of Fuel to be used

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Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel	NA	56.5 lit/hr	56.5 lit/hr
41.Source of Fuel		NA		
42.Mode of Transportation of fuel to site		NA		

43.Green Belt Development	**Total RG area :**	1806.74 sq.m
	No of trees to be cut :	NA
	Number of trees to be planted :	297
	List of proposed native trees :	As per Layout
	Timeline for completion of plantation :	1 yr.

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadiracta indica	Neem	13	Medicinal value, it purifies air, shade giving tree, Pollution tolerant
2	Nyctanthes arbortristic	Parijatak	4	Seed yield a fix oil, powded seed used for scurfy affections of the scalp, medicinal value.
3	Aegle marmelos	Bel	7	Medicinal value, edible fruit, leaves used in pooja
4	Michelia champaca	Sonchafa	10	medicinal value, fragrant flowers, bird attracting tree
5	Murraya koengii	Kadipatta	9	Medicinal value, ornamental plant
6	Mimusops elengii	Bakul	8	Evergreen tree, fruit edible, medicinal value
7	Putranjiva roxburghii	Putranjiva	10	Evergreen tree, medicinal value, ornamental plant
8	Gemelina arborea	Shivan	9	fast growing deciduous tree , ornamental plant
9	Erythrina indica	Pangara	7	fast growing deciduous tree
10	Dalbergia shisoo	Shisav	5	Timber tree, control soil erosion, shade giving tree
11	Roystonia regia	Bottle palm	7	Can be planted as avenue
12	Citrus lemonica	Lemon	6	Fruit juice rich in vitamin C, Medicinal value
13	Bauhinia racemosa	Apta	6	Evergreen tree, used for group plantation, shade giving tree
14	Caryota urens	Fish tail palm	7	Tall evergreen tree, ornamental value
15	Tabebuia rosea	Trumpet tree	8	Deciduous tree with spreading crown
16	Dyospyros malbarica	Temburi	10	Bird attracting tree, fruit bearing tree

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17	Ailanthus excelsa	Maharukh	8	Medicinal value, shade giving tree, Deciduous tree
18	Albizzia lebek	Shirish	8	Used for medicine & Wood, shade giving tree
19	Anthocephalous kadamba	Kadamba	8	Medicinal value, to control soil erosion
20	Bauhinia purpurea	Gulabi kanchan	8	Evergreen tree, ornamental value
21	Bauhinia blackiana	Kanchanraj	8	Well flowering plant, used as specimen,ornamental value
22	Butea monosperma	Palas	8	Deciduous tree, the flowers are use to prepare traditional holi colors
23	Casia fistula	Bahawa	8	Medicinal value, drought tolerant species, host plant for butterfly
24	Cochlospermum religiosum	Sonsawar	8	Specimen tree, medicinal value
25	Cordia dichotoma	Bhokar	8	Fast growing tree, butterfly attracting
26	Ficus arnottiana	Payar	8	Deciduous tree, medicinal value, shade giving tree
27	Ficus glomerata	Umbar	8	Bird attracting, shade giving tree
28	Ficus microcarpa	Nandruk	10	ornamental value, medicinal value, shade giving tree
29	Phylanthus emblica	Awala	10	edible fruit rich in vitamin C, medicinal value
30	Mangifera indica	Mango	8	Evergreen tree, medicinal value, fruit edible
31	Pongamia pinnata	Karanj	8	Avenue plantation, nitrogen fixing ability
32	Saraca indica	Sita Ashoka	9	evergreen tree, ornamental value
33	Syzygium cumini	Jambhul	10	fruits edible tree, medicinal value
34	Artocarpus integrifolia	Fanas	10	shade giving tree, bird attracting tree
35	Tamarindus indica	Chinch	10	fruit edible tree, shade giving tree
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	NA	NA	NA

47.Energy

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Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	30 KW
	DG set as Power back-up during construction phase	62.5 kVA
	During Operation phase (Connected load):	3921 KW
	During Operation phase (Demand load):	1726 KW
	Transformer:	630 KVA X 3 No.
	DG set as Power back-up during operation phase:	250 KVA X 1 No.
	Fuel used:	56.5 Lit/ hr.
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

• Solar water heating systems will be done for bathrooms.

• Solar lights will be provided for common amenities like Street lighting & Garden lighting.

• CFL & LED based lighting will be done in the common areas, landscape areas, signage's, entry gates and boundary compound walls etc.

• Auto Timer switches will be provided for Street lights, Garden lights, Parking & staircase Lights & other common area Lights, for saving electrical energy.

• Water level controllers with timers will be used for Water pumps.

• To create awareness to end consumer or flat owner, for using energy efficient light fittings like CFL, T5 Lamps & LED lights

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	LED Lamp & Fitting For Common Areas	46879.14 KWH/Annum
2	Up Lighter - Light Fitting For Landscape Area.	394.20 KWH/Annum
3	Bollard Lighter - Light Fitting For Landscape Area.	255.5 KWH/Annum
4	Solar Street Light Fitting - Pole Light On Road Side.	4380 KWH/Annum
5	Street Light on the Bldg.	2452.80 KWH/Annum
6	Energy Saving by Solar Hot Water System.	1024500 KWH/Annum
7	Solar Power System	621360 KWH/Annum

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Waste water	NA	STP

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Wet Waste	NA	OWC

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 85 Lakh
	O & M cost:	Rs. 3 Lakh

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Erosion Control	dust suppression measure	2.0
2	Site Safety	Nets, Barricades	5.0
3	Site Sanitation	public toilets	1.0
4	disinfection & Health Check up	Spreing of pestisides & health check up for labour	1.0
5	Environmental Monitoring	Analysis of Air, Water & Noise	2.0

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage treatment plant	To treat waste water	110.0	19.0
2	Rain water Harvesting	To use as domestic water	10.0	1.5
3	Solid waste management	Treatment on wet waste	30.0	7.0
4	Tree plantation	To maintain greenery	57.0	9.0
5	Energy saving	To save electrical energy	85.0	3.0

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
NA	NA	NA	NA	NA	NA	NA	NA

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1

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Parking details:	**Number and area of basement:**	1 No. , Area - 10244.87 sq.m
	Number and area of podia:	1 No. , Area - 5782.43 sq.m
	Total Parking area:	28449.9 sq.m
	Area per car:	25,30,35
	Area per car:	25,30,35
	Number of 2-Wheelers as approved by competent authority:	1434
	Number of 4-Wheelers as approved by competent authority:	723
	Public Transport:	NA
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8 (a) B2
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	Satisfactory.
Water Budget	Satisfactory.
Waste Water Treatment	Satisfactory.
Drainage pattern of the project	Satisfactory.
Ground water parameters	Satisfactory.
Solid Waste Management	Satisfactory.

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Air Quality & Noise Level issues	Satisfactory.
Energy Management	Satisfactory.
Traffic circulation system and risk assessment	Satisfactory.
Landscape Plan	Satisfactory.
Disaster management system and risk assessment	Satisfactory.
Socioeconomic impact assessment	Satisfactory.
Environmental Management Plan	Satisfactory.
Any other issues related to environmental sustainability	Satisfactory.

Brief information of the project by SEAC

PP submitted their application for prior Environmental clearance for total plot area of 19240.18 m2, FSI area of 46069.49 m2, Non FSI area of 41991.05 m2 and total BUA of 88060.54 m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B2.

DECISION OF SEAC

PP has satisfactorily complied with the points raised in 85th meeting of SEAC-3.

*SEAC decided to **recommend** the proposal for prior environmental Clearance.*

Specific Conditions by SEAC:

FINAL RECOMMENDATION

SEAC-III have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions

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SEAC Meeting number: 88 **Meeting Date** May 28, 2019

Subject: Environment Clearance for Proposed Residential Project, 'Ganga Shashwat' at Sr. no. 328 Talegaon Dabhade By M/s. Arun Developers

Is a Violation Case: No

1.Name of Project	Proposed Residential Project , 'Ganga Shashwat' at Sr. no. 328 Talegaon Dabhade By M/s. Arun Developers
2.Type of institution	Private
3.Name of Project Proponent	Mr. Arun Gupta
4.Name of Consultant	VK:e Environmental LLP , Pune
5.Type of project	Residential Project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	At - Sr. no. 328 Talegaon Dabhade
9.Taluka	Maval
10.Village	Talegaon-Dabhade
Correspondence Name:	Mr. Arun Gupta
Room Number:	-
Floor:	1rd floor
Building Name:	Arun Park
Road/Street Name:	Opp Aditya Birla Hospital
Locality:	Thergaon
City:	Pune
11.Area of the project	Talegaon - Dabhade Nagarparishad, Pune
12.IOD/IOA/Concession/Plan Approval Number	In process
	IOD/IOA/Concession/Plan Approval Number: In process
	Approved Built-up Area: 000
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	68268.00 m2
16.Deductions	Amenity space - 13282.10 m2, 18m wide DP road- 1858.10 m2 Gross plot area- 53127.80 m2
17.Net Plot area	47815.02 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 98440.57
	b) Non FSI area (sq. m.): 39535.98
	c) Total BUA area (sq. m.): 137976.55
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 00
	Approved Non FSI area (sq. m.): 00
	Date of Approval: 16-01-2019
19.Total ground coverage (m2)	11416.19
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	23.87 % on net plot area
21.Estimated cost of the project	4862200000

22.Number of buildings & its configuration

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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Wing A	Stilt+14	44.90
2	Wing B	Stilt+14	44.90
3	Wing C	Stilt+14	44.90
4	Wing D	Stilt+14	44.90
5	Wing E	Stilt+14	44.90
6	Wing F	Stilt+14	44.90
7	Wing G	Stilt+14	44.90
8	Wing H	Stilt+14	44.90
9	Wing I (Shops)	Stilt+14	44.90
10	Wing J	Stilt+14	44.90
11	Wing K	Stilt+14	44.90
12	Wing L	Stilt+14	44.90
13	Wing M	Stilt+14	44.90
14	Bungalow- 3 no.	G+1	6.80
15	Club house- 1	G+1	7.65
16	Club house-2	G	3.90

23.Number of tenants and shops	Residential- 2158 flats + 3 Bungalow Commercial- 16 no of Shops
24.Number of expected residents / users	Residential- 9375 no. Commercial- 92 no.
25.Tenant density per hectare	316 Tenement /Ha
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Width of road from nearest fire station is 18.0 m wide DP road. Nearest fire station- Talegaon Dabhade fire station-5.7 Km
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	For easy access of fire tender 9m turning radius will be provided.
29.Existing structure (s) if any	NA
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

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Dry season:	**Source of water**	Talegaon- Dabhade Nagarparishad
	Fresh water (CMD):	Domestic- 846 Car wash- 43
	Recycled water - Flushing (CMD):	424
	Recycled water - Gardening (CMD):	47
	Swimming pool make up (Cum):	1.4
	Total Water Requirement (CMD) :	1362
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	20 per building
	Excess treated water	620
Wet season:	**Source of water**	Talegaon- Dabhade Nagarparishad
	Fresh water (CMD):	Domestic- 846 Car wash- 43
	Recycled water - Flushing (CMD):	424
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	1.4
	Total Water Requirement (CMD) :	1315
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	20 per building
	Excess treated water	667
Details of Swimming pool (If any)	Swimming pool size 128 Sq.m X 1.2 mtr Make up water- 1.4 KLD Capital cost- Rs. 23,66,400/- O & M cost- Rs. 1,91,700/-	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	9 m bgl on an average
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	14 No. of recharge pits
	Size of recharge pits :	1.2 m x 1.2 m x 3m with dia of 160 mm and 60 m depth
	Budgetary allocation (Capital cost) :	28,00,000.00 /-
	Budgetary allocation (O & M cost) :	84,000.00/-
	Details of UGT tanks if any :	Domestic 1 = 638.76 KLD Domestic 2= 638.76 KLD Utility= 70.95 KLD Fire fighting water storage =300 KLD
35.Storm water drainage	**Natural water drainage pattern:**	The storm water drainage will be designed according to contours
	Quantity of storm water:	86.19 m3/min at peak rainfall intensity
	Size of SWD:	600 mm
Sewage and Waste water	**Sewage generation in KLD:**	1147 KLD
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	1 no. of STP - 1150 KLD Capacity
	Location & area of the STP:	On ground, Total Area is 776.46 Sq.mt.
	Budgetary allocation (Capital cost):	Rs. 70,00,000/-
	Budgetary allocation (O & M cost):	Rs. 30,49,302/-
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	40 kg/day (Wet waste 24 kg/day +Dry waste- 16 kg/day)
	Disposal of the construction waste debris:	The maximum construction waste will be used within the site for leveling purpose and base course preparation of internal approach roads.
Waste generation in the operation Phase:	**Dry waste:**	1890 kg/day
	Wet waste:	2823 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	115 kg/ day
	Others if any:	E-waste- 4788 kg/year

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Mode of Disposal of waste:	**Dry waste:**	Handed over to authorized vendor for further handling & disposal purpose
	Wet waste:	Wet waste will be treated in onsite organic waste converter machine .
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be used as manure
	Others if any:	Handed over to authorized recyclers for further handling & disposal purpose
Area requirement:	**Location(s):**	On ground
	Area for the storage of waste & other material:	30 sq.mt.
	Area for machinery:	157 sq.mt.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 58,50,000/-
	O & M cost:	Rs. 12,49,847/-

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

Amount of effluent generation (CMD):	Not applicable
Capacity of the ETP:	Not applicable
Amount of treated effluent recycled :	Not applicable
Amount of water send to the CETP:	Not applicable
Membership of CETP (if require):	Not applicable
Note on ETP technology to be used	Not applicable
Disposal of the ETP sludge	Not applicable

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable
41.Source of Fuel		Not applicable		

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42.Mode of Transportation of fuel to site	Not applicable

43.Green Belt Development	**Total RG area :**	RG area required- 5312.78 sq. mt. RG area proposed- 7309.37 sq. mt.
	No of trees to be cut :	0
	Number of trees to be planted :	668 no (664 newly planted+ 4 existing)
	List of proposed native trees :	Refer Below list:
	Timeline for completion of plantation :	Till operation phase

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Spathodea campanulata	African Tulip	19	Ornamental tree, Use for roadside plantation
2	Peltoforum	Yellow Gulmohar	19	Attractive flowers, Used for roadside plantation
3	Areca palm	Betel palm	68	Ornamental tree, Use for roadside plantation
4	Samanea saman	Rain tree	38	Ornamental tree, Use for roadside plantation
5	Terminalia mantaly	Madagascar almond	35	Ornamental tree, Use for roadside plantation
6	Bauhinia purpurea	Orchid tree	22	Ornamental tree, Use for roadside plantation
7	Ficus benglisis	Vad	16	Large tree, Quick growing, use for pooja, Thick shade giving
8	Mimusops elengi	Bakul	11	Attracts Birds/Bees, Trees give thick shade and flowers emit fragrance
9	Syzygium cumini	Jamun	09	Fruit plant, Shade giving tree, Attracts birds/bees/butterflies
10	Mangifera indica	Mango	16	Fruit plant, Shade giving tree, Attracts birds/bees/butterflies
11	Milingtonia hortensis	Indian cork tree	21	Ornamental tree, Use for roadside plantation
12	Thespesia populnea	Indian Tulip tree	15	Ornamental tree, Use for roadside plantation
13	Azadirachta indica	Neem	17	Medicinal value, Shade giving tree, Insect repellent
14	Psidium guajava	Guava	17	Fruit plant, Quick growing, Creates shade, Attracts birds/bees
15	Manikara Zapota	Chiku	13	Fruit plant, Quick growing, Creates shade, Attracts birds/bees
16	Terminalia catappa	Badam	78	Fruit plant, Quick growing, Creates shade, Attracts birds/bees
17	Arecaceae	Palm tree	80	Ornamental tree, Use for roadside plantation
18	Plumeria acutitolia rubra	Champa	33	Fragrant flowers, Attracts birds/bees/butterflies

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19	Nyctanthes arbor-tristis	Parijatak	36	Fragrant flowers, Attracts birds/bees/butterflies
20	Swietenia mahogani	West India Mahogani	39	Useful wood, Attracts birds/bees/butterflies, Quick growing
21	Filicium decipiens	Filicium decipiens	38	Ornamental tree, Use for roadside plantation
22	Polyathia longifolia	Ashoka	05	Ornamental tree, Use for roadside plantation
23	Albizia lebbeck	Shirish	05	Medium size tree, Shade giving, Attracts birds/bees
24	Ficus benjamina	Ficus	04	Fruit plant, Quick growing, Creates shade, Attracts birds/bees
25	Pongamia pinnata	Karanj	05	Fast growing, evergreen tree, medicinal value.
26	Caryota urens	Fishtail palm	05	Ornamental tree, Use for roadside plantation
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	NA	NA	NA

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	150 KW
	DG set as Power back-up during construction phase	2 X 125 KVA
	During Operation phase (Connected load):	6466.00 KW
	During Operation phase (Demand load):	4166.92 KW
	Transformer:	8 nos. X 630 KVA
	DG set as Power back-up during operation phase:	2 X 320 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Total Energy saving by using energy saving measures- 55.31 %

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %

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1	Common Area Lighting using LED Lights	27.14%
2	Parking Area Lighting using LED Lights	33.33%
3	External Area Lighting using LED Lights & Timer	72.55%
4	Building Solar PV System	100%
5	Energy saving using VFD	20%
6	Solar Hot Water	57.07%

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Not applicable
	O & M cost:	Not applicable

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Erosion control – dust suppression measures, barricading and top soil preservation	14.27
2	Land	Labour Camp toilets & sanitation	9.60
3	Health and Safety	Personal Protective Equipment	8.00
4	Health and Safety	Health checkup & Disinfection	1.26
5	Environment Management	Environment management cell	1.75
6	Environmental Monitoring	Environmental Monitoring	1.82

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	STP -MBBR Technology	70.00	30.49
2	Solid Waste Management	OWC	58.50	12.49
3	Landscaping	Development and Maintenance	82.20	2.12
4	Rain Water Harvesting	Recharge Pits	28.00	0.84
5	Energy Saving	Energy saving measures	29.25	1.46
6	Swimming Pool	Swimming Pool	23.66	1.91
7	Lightening Arrestor	Lightening Arrestor	66.56	....
8	Environmental Monitoring	Environmental Monitoring	....	1.82

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51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Proposed site is located at Talegaon- Dabhade. The road network within the site has been designed to cater to the traffic loads of the project.
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	8669.02 sqm.
	Area per car:	12.5 sq. mt.
	Area per car:	12.5 sq. mt.
	Number of 2-Wheelers as approved by competent authority:	2704
	Number of 4-Wheelers as approved by competent authority:	5
	Public Transport:	NA
	Width of all Internal roads (m):	6 m. wide internal road and 9 m. turning radius will be provided
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8(a) Building & Construction Project
	Court cases pending if any	NA
	Other Relevant Informations	NA

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	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	Satisfactory.
Water Budget	Satisfactory.
Waste Water Treatment	Satisfactory.
Drainage pattern of the project	Satisfactory.
Ground water parameters	Satisfactory.
Solid Waste Management	Satisfactory.
Air Quality & Noise Level issues	Satisfactory.
Energy Management	Satisfactory.
Traffic circulation system and risk assessment	Satisfactory.
Landscape Plan	Satisfactory.
Disaster management system and risk assessment	Satisfactory.
Socioeconomic impact assessment	Satisfactory.
Environmental Management Plan	Satisfactory.
Any other issues related to environmental sustainability	Satisfactory.

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Brief information of the project by SEAC

PP submitted their application for prior Environmental clearance for total plot area of 68268.00 m2, FSI area of 98440.57 m2, Non FSI area of 39535.98 m2 and total BUA of 137976.55 m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B2.

DECISION OF SEAC

PP has informed that the same application is uploaded vide SEIAA Statement no. 0000002698. PP has requested to delete the same and keep the present application vide SEIAA Statement no. 0000002827. The application made vide SEIAA Statement no. 0000002698 is hereby delisted.

The PP has satisfactorily complied with the points raised in 85th SEAC-3 meeting.

*SEAC decided to **recommend** the proposal for prior environmental Clearance.*

Specific Conditions by SEAC:

FINAL RECOMMENDATION

SEAC-III have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions

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88 SEAC-3 Day 01

SEAC Meeting number: 88 **Meeting Date** May 28, 2019

Subject: Environment Clearance for Expansion in EC for Phoenix Market city and Fountainhead at Village Viman Nagar, Dist- Pune by M/s. Vamona Developers Pvt. Ltd. EC received from Env. Department, details are as follows: • EC vide no. SEAC-2010/CR.62/TC.2 dated 30th June 2010 • EC vide no. SEAC-2010/CR.62/TC.2 dated 22nd March 2013 • SEIAA-EC-0000000551 dated 18.12.2018. (for total Built-up area 2,63,151.98 m2)

Is a Violation Case: No

1.Name of Project	Phoenix Market city and Fountainhead
2.Type of institution	Private
3.Name of Project Proponent	M/s. Vamona Developers Pvt. Ltd. - Mr. Dipesh Gandhi Group Director – Business Development
4.Name of Consultant	Ultra-Tech (Environmental Consultancy & Laboratory) NABET/EIA/1720/RA0094
5.Type of project	Commercial project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in Environment Clearance (Due to addition of 5 floors in Wing E)
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes, Received EC, details are as follows: • EC vide no. SEAC-2010/CR.62/TC.2 dated 30th June 2010 • EC vide no. SEAC-2010/CR.62/TC.2 dated 22nd March 2013 • SEIAA-EC-0000000551 dated 18.12.2018 (for total Built-up area 2,63,151.98 m2)
8.Location of the project	S. no. 207/1A, 207/1B, 207/2 of Lohagaon and S. no. 33/2A/2, 33/2B/2 of Wadgaonsheri, Viman nagar, Nagar Road, Pune
9.Taluka	Haveli
10.Village	Viman nagar
Correspondence Name:	M/s. Vamona Developers Pvt. Ltd.
Room Number:	-
Floor:	-
Building Name:	The Phoenix Mills Compound
Road/Street Name:	462, Senapati Bapat Marg
Locality:	Lower Parel,
City:	Mumbai – 400 013
11.Area of the project	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Received sanction from PMC vide no. CC/3867/18 dated 08.03.2019
	IOD/IOA/Concession/Plan Approval Number: CC/3867/18
	Approved Built-up Area: 286389.58
13.Note on the initiated work (If applicable)	Work has been initiated as per EC received vide no SEAC-2010/CR.62/TC.2 dated 30th June 2010, EC vide no SEAC-2010/CR.62/TC.2 dated 22nd March 2013 and EC vide no SEIAA-EC-0000000551 dated 18th December 2018. Work completed and Occupancy is given for Building A & B, and Wing C)
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	79,881.00 m2
16.Deductions	29,051.74 Sq. mt.
17.Net Plot area	50,829.26 Sq. mt.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 1,18,523.62 (Increased by 22,600.14 m2)
	b) Non FSI area (sq. m.): 1,67,865.96 (Increased by 637.46 m2)
	c) Total BUA area (sq. m.): 286389.58
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 1,18,523.62
	Approved Non FSI area (sq. m.): 1,67,865.96
	Date of Approval: 08-03-2019
19.Total ground coverage (m2)	35,276.00
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	58.8

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21.Estimated cost of the project	1127700000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building A: Office & Bazaar (As per EC : No Change in the building configuration) Construction Completed	2 Basement + Ground + 8 floors	36.00
2	Building B: Mall (As per EC : No Change in the building configuration) Construction Completed	1 Basement + Ground + LG + 3rd floors	22.50
3	Wing C: Commercial (As per EC : No Change in the building configuration) Construction Completed	Ground + 16 floors	62.40
4	Wing D: Commercial (As per EC : No Change in the building configuration) Under construction	Ground + 16 floors	64.80
5	Wing E: Office - Increased by 5 floors (As per EC : It was Ground + 10 floors) Not yet started	Ground + 15 floors	66.00
6	Parking building (As per EC : No Change in the building configuration) Construction Completed	Ground + 8 floors	27.20

23.Number of tenants and shops	Shops - 455 nos (No change) Offices - 242 nos (Increased by 24 No.)
24.Number of expected residents / users	41,580 Nos. (including floating population)
25.Tenant density per hectare	NA
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Width of connected road Pune Nagar highway (SH 27) is 60 m.
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	As per EC, part construction completed and occupancy given on site
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

Dry season:	**Source of water**	PMC
	Fresh water (CMD):	624 KLD
	Recycled water - Flushing (CMD):	546 KLD
	Recycled water - Gardening (CMD):	Gardening - 10 KLD + Cooling Tower makeup - 437 KLD
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	1617 KLD
	Fire fighting - Underground water tank(CMD):	100 KL x 3 nos, 105 KL x 2 nos
	Fire fighting - Overhead water tank(CMD):	25 KL x 1 nos, 30 KL x 1 no, 20 KL x 3 nos
	Excess treated water	0
Wet season:	**Source of water**	PMC
	Fresh water (CMD):	624 KLD
	Recycled water - Flushing (CMD):	546 KLD
	Recycled water - Gardening (CMD):	Gardening - NA + Cooling Tower makeup - 437 KLD + Parking floor wash - 10 KLD
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	1617 KLD
	Fire fighting - Underground water tank(CMD):	100 KL x 3 nos, 105 KL x 2 nos
	Fire fighting - Overhead water tank(CMD):	25 KL x 1 nos, 30 KL x 1 no, 20 KL x 3 nos
	Excess treated water	0
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	5-8 mt
	Size and no of RWH tank(s) and Quantity:	2 Tanks of 75 KL & 2 Tanks of 30 KL
	Location of the RWH tank(s):	Basement
	Quantity of recharge pits:	16 Nos
	Size of recharge pits :	3 mtr. Dia & 5 m depth
	Budgetary allocation (Capital cost) :	Rs.46 Lakhs
	Budgetary allocation (O & M cost) :	Rs.1 Lakhs/annum
	Details of UGT tanks if any :	Domestic UG tank capacity – 105 KL x 4 nos, 100 KL x 1 no, 35 KL x 6 nos Flushing UG tank capacity – 90 KL x 2 nos, 100 KL x 2 nos, 50 KL x 2 nos Fire UG tank capacity – 100 KL x 3 nos, 105 KL x 2 nos Irrigation UG tank capacity – 100 KL x 2 nos A/C make up UG tank capacity – 40 KL x 1 no.
35.Storm water drainage	**Natural water drainage pattern:**	The project site is slightly contoured land, sloping from North to South side of the plot.
	Quantity of storm water:	945 m3/hr
	Size of SWD:	600 mm
Sewage and Waste water	**Sewage generation in KLD:**	1045
	STP technology:	MBBR for 945 KLD and Extended Aeration for 100 KLD
	Capacity of STP (CMD):	945 KLD and 100 KLD
	Location & area of the STP:	One at WEST and second at EAST
	Budgetary allocation (Capital cost):	Rs.50 lacs
	Budgetary allocation (O & M cost):	Rs.15 lacs/year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Excavation has been completed on site
	Disposal of the construction waste debris:	Construction waste shall be partly reused/recycled and partly disposed to the authorized site with the permission of local authority.
Waste generation in the operation Phase:	**Dry waste:**	6,237 kg/day
	Wet waste:	4,158 kg/day
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	105 kg/day
	Others if any:	E-waste: 500 kg/annum

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Mode of Disposal of waste:	**Dry waste:**	To SWaCH
	Wet waste:	Treatment in OWC Plant and location on ground
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be used as manure
	Others if any:	E-waste: Vendor : To Mahalaxami e recyclers
Area requirement:	**Location(s):**	Near Decentralized STP area : In basement
	Area for the storage of waste & other material:	325.16 sq. mt.
	Area for machinery:	139.35 sq. mt.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.80 lacs
	O & M cost:	Rs.5.4 lacs/year

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	DG Set	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	Not applicable	Not applicable	Not applicable
41.Source of Fuel		Not applicable		
42.Mode of Transportation of fuel to site		Not applicable		

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43.Green Belt Development	**Total RG area :**	RG on ground: 6,155.84 Sq. mt.
	No of trees to be cut :	NA
	Number of trees to be planted :	Against the required 966 Nos. of trees to be planted, 1010 No. of trees have been planted. Of these, 292 trees have been planted on site and another 718 No. of trees have been planted on other plots with permission from Garden department.
	List of proposed native trees :	15 nos.
	Timeline for completion of plantation :	Completed

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Prunusavium	Kordia	163	Large canopy tree, forms food source and nesting habitat for birds.
2	Azadirachta indica	Nimb	90	Neem are shady, medicinal and fast growing
3	Neolamarckia cadamba	Kadamba	100	Evergreen tree with large canopy and fragrant flowers
4	Cassia fistula	Bahava	10	This native of India, commonly known as Amaltaas, is one of the most beautiful of all tropical trees when it sheds its leaves and bursts into a mass of long, grape-bunches like yellow gold flowers.
5	Swietenia macrophylla	Mohagani	163	Big leaf mahogany is a slow growing, very large, evergreen or briefly deciduous tree with an open, rounded crown
6	Millingtonia hortensis	Buch	149	They are used as antipyretic, sinusitis, cholagogue and tonic in folklore medicine. The flowers are used in rituals.
7	Lagerstroemia speciosa	Tamhan	88	Pride of India is a fast-growing, medium-sized, deciduous, sub-canopy tree with an upright, round crown.
8	Wodyetia bifurcata	Foxtail palm	123	The pale green arching fronds have leaflets that radiate out at all angles from the leaf stem, thus appearing like a bottlebrush or the tail of a fox.
9	Michelia champaca	Chafa	58	The tree has a wide range of uses, being harvested locally as a source of food, medicines and a range of commodities.
10	Areca catechu	Supari	42	Areca catechu is grown for its commercially important seed crop, the areca nut.
11	Phoenix dactylifera	Saypus palm	6	The date palm has a lot of medicinal uses and shady tree

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12	Ficus benjamina	Black ficus	2	Ficus benjamina is an evergreen tree with a dense, wide crown; fast growing and shady
13	Bauhinia variegata	Kanchana	9	It is a fast-growing, attractive, deciduous tree with a dense, spreading crown.
14	Panda Ficus	Fig tree	4	They are evergreen, but some deciduous species are endemic to areas outside of the tropics and to higher elevations
15	Terminalia catappa	Badam	3	It is used to treat infection of mouth, throat and intestines caused by Yeast infection
16	Total	-	1010	-
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	Adenium sp.	2’	97
2	Allamanda sp.	1' 6"	97
3	Euphorbia caracasana	2’	46
4	Heliconia sp.	2’	62
5	Rhapis excelsa	1' 6"	53
6	Tabernae montana	1'	42
7	Tecoma gaudichaudi	1'	97
8	Aralia plant	1' 6"	52

47.Energy

Power requirement:	**Source of power supply :**	Maharashtra State Electricity Distribution Company Limited (MSEDCL)
	During Construction Phase: (Demand Load)	320 kW
	DG set as Power back-up during construction phase	As per requirement
	During Operation phase (Connected load):	21600 kW
	During Operation phase (Demand load):	18772 kW
	Transformer:	Building A (Bazaar mall) – 2000 kVA x 2 nos, Building B (Main mall) - 2500 kVA x 4 nos, 2000 kVA x 3 nos Wing C, D & E - 1600 KVA x 6 nos
	DG set as Power back-up during operation phase:	Building A (Bazaar mall) – 1010 kVA x 3 nos, Building B (Main mall) – 1500 kVA x 3 nos, 2000 x 3 nos, Wing C, D & E – 1500 kVA x 4 nos, 1250 x 2 nos.
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

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48.Energy saving by non-conventional method:

1. Water Pumps (Using BEE certified motors & Variable frequency drive)
2. Lifts (Used Synchronizing & variable frequency drives)
3. Common Area Lighting (Replacement of CDMT with LED Lights and copper drivers)
4. External Lighting (With use of Solar Panels)
5. STP (Using BEE certified motors)

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Internal Lighting - Conversion of CDMt/ CFL to LED light fittings & TIMERS	59 %
2	Building parking - Conversion of T5 fluorescent tube to LED light fittings & TIMERS	44 %
3	Garden lights - Conversion of CDMT/ CFL to LED light fittings & TIMERS	82 %
4	Solar power generation - Solar PV Panels	100 %
5	Lifts - Synchronising & V3F control WITH gearless mechanism	12 %
6	Water pumps - Using BEE Certified Motor with VFD	8 %
7	Air- conditioning through centrifugal chiller using R134A environment friendly refrigerant for total load of 5000 TR for mall and all Commercial tower is having VRF system	14 %
8	Overall energy saving	18 %
9	Energy saving due to renewable energy	1% of total demand load

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Sewage	Sewage Treatment Plant (STP)	NA
Solid waste	OWC plant	NA

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.152 Lakhs
	O & M cost:	Rs.6 Lakhs/yrs

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water for dust suppression and air, Noise Monitoring	6.76
2	Water Environment	Tanker Water for Construction + Water Monitoring	7.8
3	Land Environment	Site sanitation Mobile toilets	5.0
4	Biological Environment	Gardening set up + top soil preservation	4.0

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5	Socio economic environment	Disinfection + First Aid + Health Check-up + creches for Children + PPE	38.04

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Rain water harvesting	Rain water harvesting	46.0	1
2	Sewage treatment plant	Sewage treatment plant	50.0	15.0
3	Organic waste converter	Organic waste converter	80.0	5.4
4	Tree plantation	Tree plantation	50.0	7.5
5	Energy	energy saving with solar panels	152.0	6.0
6	Environment Monitoring	Environment Monitoring	10.0	2.0
7	Basement Ventilation and De-watering cost	Basement Ventilation and De-watering cost	3.0	0.5

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1 no.

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Parking details:	**Number and area of basement:**	A Building – 1st basement + 2nd basement – 6,656.45 sq.mt , B Building – 45,548.51 sq. mt
	Number and area of podia:	Yes, 8 floors and area is 42,581.51 sq.mt
	Total Parking area:	94,786.47 sq.mt
	Area per car:	Basement: 35 m2, Ground/podium: 30 m2, and Open: 25 m2
	Area per car:	Basement: 35 m2, Ground/podium: 30 m2, and Open: 25 m2
	Number of 2-Wheelers as approved by competent authority:	Two wheelers: Required - 8,549 nos & Provided – 8,588 nos. and Cycles: Required – 3,149 Nos. & Provided – 3,149 nos
	Number of 4-Wheelers as approved by competent authority:	Required - 2,943 nos Provided – 2,943 nos
	Public Transport:	Viman nagar Bus stop
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8 (b) B1
	Court cases pending if any	No
	Other Relevant Informations	Yes we have received the Environmental Clearance from SEIAA, Env. Dept. dated 18.12.2018. Now we are applying for the Expansion – in EC. Previously EC was granted for 2, 63,151.98 sq. mt. and applied for expansion 2, 86,389.58 sq. mt. (Increased by 23,237.60 sq. mt.)
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

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SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	Satisfactory.
Water Budget	Satisfactory.
Waste Water Treatment	Satisfactory.
Drainage pattern of the project	Satisfactory.
Ground water parameters	Satisfactory.

Solid Waste Management	Satisfactory.
Air Quality & Noise Level issues	Satisfactory.
Energy Management	Satisfactory.
Traffic circulation system and risk assessment	Satisfactory.
Landscape Plan	Satisfactory.
Disaster management system and risk assessment	Satisfactory.
Socioeconomic impact assessment	Satisfactory.
Environmental Management Plan	Satisfactory.
Any other issues related to environmental sustainability	Satisfactory.

Brief information of the project by SEAC

PP submitted their application for prior Environmental clearance for total plot area of 79,881.00 m2, FSI area of 1,18,523.62 m2, Non FSI area of 1,67,865.96 m2 and total BUA of 286389.58 m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B1.

DECISION OF SEAC

PP has satisfactorily complied with the points raised in 86st meeting of SEAC-3.

*SEAC decided to **recommend** the proposal for prior environmental Clearance.*

Specific Conditions by SEAC:

FINAL RECOMMENDATION

SEAC-III have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions

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88 SEAC-3 Day 01

SEAC Meeting number: 88 **Meeting Date** May 28, 2019

Subject: Environment Clearance for Proposed Residential Project "Ace Aastha" at S. no. 166/3,166/4, 167/1,167/2, 167/3A, Chovisawadi, Pune by M/s. Sakshi Developers

Is a Violation Case: No

1.Name of Project	Proposed Residential Project "Ace Aastha" at S. no. 166/3,166/4, 167/1,167/2, 167/3A, Chovisawadi, Pune by M/s. Sakshi Developers
2.Type of institution	Private
3.Name of Project Proponent	Mr. Ravindra Namade
4.Name of Consultant	-
5.Type of project	Residential project
6.New project/expansion in existing project/modernization/diversification in existing project	New
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No
8.Location of the project	S. no. 166/3, 166/4, 167/1, 167/2, 167/3A, Chovisawadi, Pune
9.Taluka	Haveli
10.Village	Chovisawadi
Correspondence Name:	Mr. Anup Jhamtani
Room Number:	-
Floor:	-
Building Name:	-
Road/Street Name:	-
Locality:	S. no. 166/3, 166/4, 167/1, 167/2, 167/3A, Chovisawadi, Pune
City:	Pune
11.Area of the project	Pimpri Chinchwad Municipal Corporation (PCMC)
12.IOD/IOA/Concession/Plan Approval Number	IOD received
	IOD/IOA/Concession/Plan Approval Number: BP/ENV/Chowisawadi/01/2019 on dated 09.04.2019
	Approved Built-up Area: 48223.40
13.Note on the initiated work (If applicable)	No
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	11708.01 sq. m (PLOT A)
16.Deductions	2155.89 sq. m
17.Net Plot area	9552.12 sq. m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 23907.78 sq. m
	b) Non FSI area (sq. m.): 24315.62 sq. m
	c) Total BUA area (sq. m.): 48223.40
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 23907.78 sq. m
	Approved Non FSI area (sq. m.): 24315.62 sq. m
	Date of Approval: 09-04-2019
19.Total ground coverage (m2)	2929.72 sq. m
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	30.67 % on Net Plot area
21.Estimated cost of the project	922700000

22.Number of buildings & its configuration

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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building A	Lower parking + Podium Parking + 11 floors	38.77 m
2	Building B (Resi. + MHADA)	Lower parking + Podium Parking + 11 floors	38.77 m
3	Building C	Lower parking + Podium Parking + 11 floors	38.77 m
4	Building D + Comm.	Lower parking + Podium Parking/Stilt + 11 floors	38.77 m
5	Club house	Ground + 1 floor	7.20 m

23.Number of tenants and shops	Residential : 561 Commercial : 728.5 sq. M (14 no's of shops)
24.Number of expected residents / users	Residential : 2805 users Commercial floating : 243 no's
25.Tenant density per hectare	250 T/ha
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Existing DP road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.00 m
29.Existing structure (s) if any	Site office, Material & cement store room Total area : 201.25 Sq. Mtr.
30.Details of the demolition with disposal (If applicable)	Existing structure will be demolished & the material will be reuse within site premises.

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

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Dry season:	Source of water	PCMC
	Fresh water (CMD):	259.74
	Recycled water - Flushing (CMD):	129.87
	Recycled water - Gardening (CMD):	10
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	399.61
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	25
	Excess treated water	175.21
Wet season:	Source of water	PCMC
	Fresh water (CMD):	259.74
	Recycled water - Flushing (CMD):	129.87
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	389.61
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	25
	Excess treated water	185.71
Details of Swimming pool (If any)	No	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	8.57 m BGL
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	08 no's
	Size of recharge pits :	200 mm diameter depth 60 meter and 10 depth of casing
	Budgetary allocation (Capital cost) :	Rs. 2,59,200 /-
	Budgetary allocation (O & M cost) :	Rs. 40,000 /-
	Details of UGT tanks if any :	Domestic UG tank Capacity (cum) : 389.62 KLD Flushing tank Capacity(cum) : 129.87 KLD Fire UG tank Capacity (cum) : 200 KLD
35.Storm water drainage	**Natural water drainage pattern:**	A per contour
	Quantity of storm water:	4.883 m3/min.
	Size of SWD:	400 mm
Sewage and Waste water	**Sewage generation in KLD:**	350.65 KLD
	STP technology:	MBBR technology
	Capacity of STP (CMD):	385 KLD
	Location & area of the STP:	Area : 140 sq. m
	Budgetary allocation (Capital cost):	Rs. 88,00,000 /-
	Budgetary allocation (O & M cost):	Rs. 19,33,920 /-
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	30 kg/day
	Disposal of the construction waste debris:	Will be used within site
Waste generation in the operation Phase:	**Dry waste:**	597 kg/day
	Wet waste:	866 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	31.55 kg/day
	Others if any:	E-waste : 4.50 kg/day

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Mode of Disposal of waste:	**Dry waste:**	To authorized vendor
	Wet waste:	Treatment of OWC
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be used as a manure
	Others if any:	E-waste will be handed over to authorized vendor
Area requirement:	**Location(s):**	Shown in plan
	Area for the storage of waste & other material:	14 sq. m
	Area for machinery:	50 sq. m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 25,75,000 /-
	O & M cost:	Rs. 5,48,400 /-

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable
41.Source of Fuel		Not applicable		
42.Mode of Transportation of fuel to site		Not applicable		

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43.Green Belt Development	**Total RG area :**	RG area (10 %) : 1219.64 sq. m Total area provided on ground: 1301.10 sq. m
	No of trees to be cut :	0
	Number of trees to be planted :	120 no's of trees
	List of proposed native trees :	List provided below
	Timeline for completion of plantation :	Up to completion of project

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azardiracta Indica	Kadunimba	9	Plant for pooja/evergreen fragrant flowers or leaves quick grooving/insect repellent
2	Bauhinia racemosa	Kanchan	8	Medicinal species with flowering
3	Ficus Elastica	Rabar	9	Shady tree, small white fragrant flower
4	Michelia Champaca	Piwala Chafa	8	Flower butterfly host plant medium size evergreen tree, fragrant yellow
5	Saraca Indica	Sita Ashoka	8	Attract birds/butterflies/bees deep green
6	Pongamia Pinnata	Karanj	7	Fast growing tree with medicinal use
7	Magnifera Indica	Mango	3	Medium sized deciduous tree, beautiful yellow flower
8	Albizia Lebbeck	Shirish	4	Tall evergreen tree with fruit bearing
9	Anthocephallus cadamba	Kadamba	4	Fruit bearing tree attracts birds
10	Agle marmelos	Bel	9	Medium size evergreen tree
11	Erythrina Indica	Pangara	10	Medium sized deciduous tree, bright scarlet flowers
12	Lagerstromia Reginea	Taman	3	State of flower tree of Maharashtra, medium size tree with beautiful purple flower
13	Limonia aciddissima	Kavat	4	Fruit bearing tree
14	Nyctanthes arbourtristis	Parijatak	3	Small flowering tree
15	Syzgium cumini	Jambhul	4	Tall evergreen tree with fruit bearing
16	Tamarindus indica	Chinch	4	Evergreen tree
17	Putranjiva roxburghi	Putranjiva	5	Evergreen tree with medicinal use
18	Cassia fistula	Bahawa	4	Auspicious attract birds/bees/butterflies hanging or weeping growth
19	Tabubia rosea	Tabubia	4	Seasonal flowering tree

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20	Caryota urens	Palm	10	Tall evergreen tree with fruit bearing
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	NA	NA	NA

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	35 KVA
	DG set as Power back-up during construction phase	50 KVA
	During Operation phase (Connected load):	2161.85 KW
	During Operation phase (Demand load):	1264.37 KW
	Transformer:	2 x 630 KVA , 1 x 315 KVA
	DG set as Power back-up during operation phase:	140 KVA
	Fuel used:	22.4 Liters / Hour
	Details of high tension line passing through the plot if any:	No

48.Energy saving by non-conventional method:

1. As per MSEDCL requirements, we planned to use high efficiency Transformer & to reduce losses. Losses for Transformer will be as per IS standards & ECBC norms.
2. We are planning to keep power factor of the common load installation near unity.
3. Following are the Energy efficient fixtures should be used in our project for energy conservation :-
3.1 Energy efficient LED fixtures are proposed for bracket lights provided of all buildings.
3.2 LED lighting fixtures are proposed for general lighting for common passages, staircase & terrace area.
3.3 The estimated saving in common area lighting consumption is up to 19.67 % due to adopting above measures.
4. Solar Heating System is being proposed for Hot water to be used in Toilets of each apartment.
5. V3F drive motors should be used for lifts, which saves 30% energy consumption.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	LED light fittings for common area , club house, podium level + solar hot water system + solar PV	19.67 %

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

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Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 1,56,58,800 /-
	O & M cost:	Rs. 6,42,690 /-

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air	Erosion control – dust suppression measures and barricading	Rs. 1,06,000 /-
2	Land	Site Sanitation	Rs. 26,500 /-
3	Health & safety	Site Safety	Rs.88,000 /-
4	Environment management	Environmental Monitoring	Rs. 1,20,000/-
5	Health & safety	Disinfection and Health Check-ups	Rs.45,000 /-

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	1 STP	Rs. 88,00,000 /-	Rs. 19,33,920 /-
2	Rain Water Harvesting	08 no's of pits	Rs. 2,59,200 /-	Rs. 40,000 /-
3	Solid Waste Management	1 OWC	Rs. 25,75,000 /-	Rs. 5,48,400 /-
4	Green Belt Development	120 trees	Rs. 17,00,000 /-	Rs. 2,00,000 /-
5	Energy details	LED light fittings for common area +solar hot water system + solar PV	Rs. 1,56,58,800 /-	Rs. 6,42,690 /-
6	Environmental Monitoring	EMP costing	-	Rs. 8,90,000 /-

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Existing DP road

SEAC-AGENDA-0000000270

Parking details:	**Number and area of basement:**	No
	Number and area of podia:	1 Podium , Area : 6877.17 sq. m
	Total Parking area:	14026.20 sq. m
	Area per car:	Stilt : 30 sq. m & Open : 25 sq. m
	Area per car:	Stilt : 30 sq. m & Open : 25 sq. m
	Number of 2-Wheelers as approved by competent authority:	Scooters : 1205, Cycles : 1208
	Number of 4-Wheelers as approved by competent authority:	297
	Public Transport:	Pune city buses
	Width of all Internal roads (m):	6.00 m driveway
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	None within 10 km
	Category as per schedule of EIA Notification sheet	B2
	Court cases pending if any	No
	Other Relevant Informations	No
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

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SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	Satisfactory.
Water Budget	Satisfactory.
Waste Water Treatment	Satisfactory.
Drainage pattern of the project	Satisfactory.
Ground water parameters	Satisfactory.
Solid Waste Management	Satisfactory.

Air Quality & Noise Level issues	Satisfactory.
Energy Management	Satisfactory.
Traffic circulation system and risk assessment	Satisfactory.
Landscape Plan	Satisfactory.
Disaster management system and risk assessment	Satisfactory.
Socioeconomic impact assessment	Satisfactory.
Environmental Management Plan	Satisfactory.
Any other issues related to environmental sustainability	Satisfactory.

Brief information of the project by SEAC

PP submitted their application for prior Environmental clearance for total plot area of 11708.01 m2, FSI area of 23907.78 m2, Non FSI area of 24315.62 m2 and total BUA of 48223.40 m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B2.

SEAC-AGENDA-0000000270

DECISION OF SEAC

During discussion following points emerged:

1. Fire tender movement on podium shall be isolated from ground level ramp. Cross section showing both podium and ramp shall be submitted.

*SEAC decided to **recommend** the proposal for prior environmental Clearance, subject to PP complying with the above condition.*

Specific Conditions by SEAC:

1) Fire tender movement on podium shall be isolated from ground level ramp. Cross section showing both podium and ramp shall be submitted.

FINAL RECOMMENDATION

SEAC-III have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions

88 SEAC-3 Day 01

SEAC Meeting number: 88 **Meeting Date** May 28, 2019

Subject: Environment Clearance for Proposed Construction project by M/s Rucha Promoters & Developers Pvt.Ltd.

Is a Violation Case: No

1.Name of Project	Residential & Commercial
2.Type of institution	Private
3.Name of Project Proponent	Mr.Kailash Biharilal Motwani
4.Name of Consultant	M/s JV Analytical Services
5.Type of project	Residential & Commercial
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	S. No. 11/1(P) Vadgaon Kh.,143/1 to 10/2/1A/3,143/1 to 10/1/3A,143/1 to 10/1/3B,143/1 to 10/1/3K,143/1 to 10/2/1A/4,143/1to 10/1/5A,143/1 to 10/1/5 B Dhayri
9.Taluka	Haveli
10.Village	Dhayri
Correspondence Name:	Mr.Prashant Prakash Nilawar
Room Number:	Office No. 103/104
Floor:	1st Floor
Building Name:	Ramsukh House
Road/Street Name:	Thube Park
Locality:	Shivaji Nagar
City:	Pune-411005
11.Area of the project	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	In Process
	IOD/IOA/Concession/Plan Approval Number: CC/3527/18 D.P.O/Zone No. 2 , dated 12/2/2019
	Approved Built-up Area: 25570.97
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	7150.00 m2
16.Deductions	1118.98 m2
17.Net Plot area	6031.02 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 15431.86
	b) Non FSI area (sq. m.): 12226.11
	c) Total BUA area (sq. m.): 27657.97
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 15427.62
	Approved Non FSI area (sq. m.): 10143.35 as per sanction
	Date of Approval: 12-02-2019
19.Total ground coverage (m2)	2026.46 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	28.34% of Total Plot area (7150.00 m2) & 33.60% of Net Plot area (6031.02 m2)
21.Estimated cost of the project	493088753

22.Number of buildings & its configuration

SEAC-AGENDA-0000000270

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building	2B+G+Mezz.+2FL+19FL	69.95

23.Number of tenants and shops	Total Tenements -140 Nos. Shops- 22 Nos.,Offices-36 Nos.
24.Number of expected residents / users	Residential Users: 700 Nos. Commercial Users: 768 Nos. Total Users: 1468 Nos.
25.Tenant density per hectare	178.75/H
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	36.00 m wide DP Road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.00 m
29.Existing structure (s) if any	Old existing Four sheds
30.Details of the demolition with disposal (If applicable)	Sheds will be demolished & debris will be used for land filling.

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	NA	NA	NA	NA

32.Total Water Requirement

Dry season:	**Source of water**	PMC
	Fresh water (CMD):	135.52 m3/day (One time)
	Recycled water - Flushing (CMD):	46.86 m3/day
	Recycled water - Gardening (CMD):	6.46 m3/day
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	82.20 m3/day
	Fire fighting - Underground water tank(CMD):	200 m3
	Fire fighting - Overhead water tank(CMD):	20.00 m3
	Excess treated water	49.93 m3/day

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Wet season:	**Source of water**	PMC
	Fresh water (CMD):	129.06 m3/day (One time)
	Recycled water - Flushing (CMD):	46.86 m3/day
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	82.20 m3/day
	Fire fighting - Underground water tank(CMD):	200 m3
	Fire fighting - Overhead water tank(CMD):	20.00 m3
	Excess treated water	56.39 m3/day
Details of Swimming pool (If any)	Dimension of Swimming Pool: NA Total water Requirement in KLD: NA Water requirement in KLD: NA Details of Plant & Machinery used for treatment of Swimming pool water:NA Details of quality to be achieved for swimming pool water and parameters to be monitored;NA Budgetary allocation(Capital cost and O& M cost): NA	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	NA	NA	NA	NA	NA	NA	NA	NA	NA

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Pre-Monsoon:- 4.0 m below ground level ,Post-Monsoon:- 2.5 m below ground level
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	05 Nos.
	Size of recharge pits :	2.0 m x2.0 m x2.0 m
	Budgetary allocation (Capital cost) :	Rs. 3.50 Lakh
	Budgetary allocation (O & M cost) :	Rs.0.35 Lakh/Year
	Details of UGT tanks if any :	Domestic UG tank Capacity:124.00m3 Flushing UG tank Capacity:72.00m3 Fire UG tank Capacity:200.00 m3

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35.Storm water drainage	**Natural water drainage pattern:**	-
	Quantity of storm water:	3.32 m3/min
	Size of SWD:	300 mm dia.
Sewage and Waste water	**Sewage generation in KLD:**	116.15 m3/day
	STP technology:	MBBR
	Capacity of STP (CMD):	1 No. of 120 m3/day
	Location & area of the STP:	65.00 m2
	Budgetary allocation (Capital cost):	Rs.38.00 Lakh
	Budgetary allocation (O & M cost):	Rs.9.01 Lakh / Year

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	30 kg/day
	Disposal of the construction waste debris:	Use for Leveling/back filling
Waste generation in the operation Phase:	**Dry waste:**	255 kg/day
	Wet waste:	287 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	18 kg/day
	Others if any:	E-waste - 3.06 kg/day
Mode of Disposal of waste:	**Dry waste:**	Authorized Vender
	Wet waste:	Organic Waste Convertor
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as Manure after treatment in OWC
	Others if any:	E-waste will be handed over to Authorized Vender
Area requirement:	**Location(s):**	-
	Area for the storage of waste & other material:	36.00 m2 including machinery area
	Area for machinery:	Included in other material area
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.12.75 Lakh
	O & M cost:	Rs.2.78 Lakh / Year

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)

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1	NA	NA	NA	NA	NA

Amount of effluent generation (CMD):	NA
Capacity of the ETP:	NA
Amount of treated effluent recycled :	NA
Amount of water send to the CETP:	NA
Membership of CETP (if require):	NA
Note on ETP technology to be used	NA
Disposal of the ETP sludge	NA

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	NA	NA	NA	NA	NA	NA	NA

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	250 KVA – 1No.	HSD-42.57 Ltr/Hr @75% load	S-1	5.00 m	will be provided	will be provided

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	NA	42.57 Ltr/Hr.	42.57 Ltr/Hr.

41.Source of Fuel	Bharat Petroleum Corporation Ltd/ Hindustan Petroleum
42.Mode of Transportation of fuel to site	By Roadway

43.Green Belt Development	**Total RG area :**	512.64 m2
	No of trees to be cut :	NA
	Number of trees to be planted :	48 Nos.
	List of proposed native trees :	48 Nos.
	Timeline for completion of plantation :	Before Completion

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Bauhinia purpurea	Raktchandan	02	Fast growing deciduous tree with bright Orchid like flowers
2	Dillenia indica	Karmal	03	Large leaf, Evergreen fruit bearing tree, Commonly known as Elephant Apple
3	Michelia champaca	Pivala chapha	01	Graceful evergreen tree bearing fragrant flowers

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4	Lagerstroemia speciosa	Tamhan	02	Large tropical flowering tree, Official state tree having medicinal properties
5	Drypetes roxburghii	Putranjiva	01	Medium sized evergreen tree with cascading foliage
6	Cassia fistula	Bahava	02	Tropical ornamental tree with bright,Yellow,Fragrant flowers,attracts bees & butterflies
7	Butea monosperma	Palas	03	Flame of the forest, medium sized deciduous tree with bright orange coloured flowers, attracts birds
8	Mesua ferrea	Naagkeshar	01	Evergreen, Ornamental tree with white fragrant flower having medicinal property
9	Dalbergia sisso	Sisu	02	Large deciduous tree with dense foliage provide shade having medicinal property
10	Mimusops elengi	Bakul	02	Small, Shady tree with shiny green leaves having star shape fragrant flowers, having medicinal property
11	Phyllanthus emblica	Awala	01	Medium sized deciduous tree with spherical, light greenish yellow fruits, having medicinal property
12	Azardirachta indica	Kadulimb	02	Draught tolering tree having list of medicinal properties
13	Erythina variegata	Pangara	02	High ornamental value, broad and spreading,deciduous,flowering tree
14	Saraca indica	Sita -Ashok	02	Small evergreen tree with orange and scarlet clustered fascinating flowers
15	Thespesia populnae	Raanbhendi	03	Evergreen bushy tree with heart shape leaf and yellow colour flowers
16	Mangifera indica	Mango	01	Large evergreen, dense shade, juicy stone fruit tree having medicinal properties
17	Melia dubia	Mahaneem	01	Tall very fast growing evergreen tree having commercial value
18	Pongamia pinnata	Karanj	02	Fast growing deciduous, drought tolerant evergreen tree with shiny leaf and pink-white flowers
19	Khaya grandis	Mohgani	02	Tall fast growing semi-evergreen tree with shining leaves
20	Bauhinia racemosa	Apta	01	Small flowering tree with medicinal and religious importance
21	Limonia acidissima	Kawath	03	Evergreen tree having medicinal properties hard rind fruit
22	Morinda pubescens	Bortondi	01	Small fruit bearing tree having drought tolerant properties
23	Murraya paniculata	Kunti/Kamini	02	Small evergreen tree bearing orange like fragrant cream coloured flowers with dark green leaves

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24	Sapindus laurifolius	Ritha	01	Large tall tree with compound leaves, greenish white flowers and round seeds used for traditional soap
25	Terminalia arjuna	Arjun	02	Large evergreen tree with spreading crown and drooping branches having medicinal properties
26	Nyctanthes arbor-tristis	Parijatak	01	Small night blooming tree bearing sweet scented attractive flowers opens at night and drop off in the morning
27	Neolamarckia cadamba	Kadamb	02	Large umbrella shape tree bearing hairy orange balls like flower with simple leaves
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	NA	NA	NA

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL.
	During Construction Phase: (Demand Load)	60 KVA
	DG set as Power back-up during construction phase	75 KVA- 1 No.
	During Operation phase (Connected load):	1299 KW
	During Operation phase (Demand load):	729 KW
	Transformer:	630 KVA – 1 No.& 315 KVA – 1 No.
	DG set as Power back-up during operation phase:	250 KVA – 1No.
	Fuel used:	For 250 KVA:-42.57 Ltr/Hr. at 75% loading
	Details of high tension line passing through the plot if any:	No

48.Energy saving by non-conventional method:

- Timers and contactors will be used to switch on / off common are & external landscape and facade lighting.
- Light Emitting Diode (LED) will be used for corridors, Lobbies and common areas.
- All Light Emitting Diode (LED) light fixtures to be used.
- 75 Ltrs. Solar water is provided for each flat.
- Solar PV panel system is proposed for Street lighting & Building common lighting.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %

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1	Energy savings due to Solar power	49%
2	Energy savings due to energy efficient light fittings	54%
3	Energy savings due to Solar PV cell	2.12%
4	Energy savings (Solar water heating system + Solar PV panels + LED light fittings) units per year.(For renewable/solar)	15.75%

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air	-	Green buffer will be provided.
Water	-	STP will be installed & excess treated water used for flushing & gardening
Noise	-	Plantation will be done for noise barricading. Traffic management plan to be prepared. Acoustically enclosed DG set will be brought & installed.
Solid Waste	-	Wet Waste will be treated in OWC. STP sludge will be Used as Manure after treatment in OWC. Dry Waste will be given to SWACH

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Energy system : Rs.13.15 Lakh, Solar System:Rs 23.09 Lakh
	O & M cost:	Energy system: Rs. 5.70 Lakh/Year, Solar System:Rs 1.86 Lakh/Year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water for Dust Suppression, Air& Noise Monitoring	0.50 Lakh/Year
2	Water Environment	Tanker Water for Construction, Water Monitoring	0.50 Lakh/Year
3	Land Environment	Site Sanitation –Mobile toilets	0.50 Lakh/Year
4	Socio-economic	Disinfection- Pest Control, First Aid Facilities, Health Check Up, Creches For Children, Personal Protective Equipment	1.00 Lakh/Year

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP	120 m3/day	Rs.38.00 Lakh	Rs.9.01 Lakh/Year
2	RWH	Rain water Harvesting	Rs.3.50 Lakh	Rs.0.35 Lakh/Year
3	MSW	OWC	Rs.12.75 Lakh	Rs.2.78 Lakh/Year
4	Energy System	-	Rs.13.15 Lakh	Rs.5.70 Lakh / Year
5	Solar System	-	Rs.23.09 Lakh	Rs.1.86 Lakh / Year
6	Landscaping	-	Rs.25.00 Lakh	Rs.1.50 Lakh/Year
7	Safety Equipments	-	Rs.10.00 Lakh	Rs.2.00 Lakh/Year
8	Post EC Monitoring	-	-	Rs.2.50 Lakh/Year

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9	Dry Waste Management	-	-	Rs.1.18 Lakh/Year

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	-
Parking details:	**Number and area of basement:**	2 Nos & Area 4976.36 m2
	Number and area of podia:	NA
	Total Parking area:	9067.40 m2
	Area per car:	39.76 m2
	Area per car:	39.76 m2
	Number of 2-Wheelers as approved by competent authority:	471 Nos.
	Number of 4-Wheelers as approved by competent authority:	228 Nos.
	Public Transport:	NA
	Width of all Internal roads (m):	6.00 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8(a)
	Court cases pending if any	No

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	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	Satisfactory.
Water Budget	Satisfactory.
Waste Water Treatment	Satisfactory.
Drainage pattern of the project	Satisfactory.
Ground water parameters	Satisfactory.
Solid Waste Management	Satisfactory.
Air Quality & Noise Level issues	Satisfactory.
Energy Management	Satisfactory.
Traffic circulation system and risk assessment	Satisfactory.
Landscape Plan	Satisfactory.
Disaster management system and risk assessment	Satisfactory.
Socioeconomic impact assessment	Satisfactory.
Environmental Management Plan	Satisfactory.
Any other issues related to environmental sustainability	Satisfactory.

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Brief information of the project by SEAC

PP submitted their application for prior Environmental clearance for total plot area of 7150.00 m2, FSI area of 15427.62 m2, Non FSI area of 10187.15 m2 and total BUA of 25614.77 m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B2.

DECISION OF SEAC

PP has satisfactorily complied with the points raised in 85st meeting of SEAC-3.

*SEAC decided to **recommend** the proposal for prior environmental Clearance.*

Specific Conditions by SEAC:

FINAL RECOMMENDATION

SEAC-III have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions

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SEAC Meeting number: 88 **Meeting Date** May 28, 2019

Subject: Environment Clearance for RESIDENTIAL PROJECT BY NORTH HINJEWADI DEVELOPERS PVT LTD

Is a Violation Case: No

1.Name of Project	Residential Project by M/s. Xrbia North Hinjewadi Developers Pvt. Ltd.
2.Type of institution	Private
3.Name of Project Proponent	M/s. Xrbia North Hinjewadi Developers Pvt. Ltd.
4.Name of Consultant	--
5.Type of project	Housing
6.New project/expansion in existing project/modernization/diversification in existing project	Not applicable
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Gat no. 1,3 of village Bebadohal, Tal Maval, District Pune.
9.Taluka	Maval
10.Village	Bebadohal
Correspondence Name:	Veer Bharati Kouls
Room Number:	929
Floor:	1st Floor
Building Name:	929 Mantri House
Road/Street Name:	FC Road
Locality:	Pune
City:	Pune
11.Area of the project	PMRDA
12.IOD/IOA/Concession/Plan Approval Number	PMRDA Plan Approval Number: DP/BMA/Bebadohal/CR-534/18-19 dtd 15.12.2018
	IOD/IOA/Concession/Plan Approval Number: PMRDA Plan Approval Number: DP/BMA/Bebadohal/CR-534/18-19 dtd 15.12.2018
	Approved Built-up Area: 46908.55
13.Note on the initiated work (If applicable)	Construction work initiated as per EC received vide ref no. SEAC-III-2013/CR244/TC-3 dated 31 March, 2015
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	26,415.00
16.Deductions	3962.25
17.Net Plot area	22452.75
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 27932.86
	b) Non FSI area (sq. m.): 18975.69
	c) Total BUA area (sq. m.): 46908.55
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 27932.86
	Approved Non FSI area (sq. m.): 18975.69
	Date of Approval: 15-12-2018
19.Total ground coverage (m2)	5006.67
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	22.30%
21.Estimated cost of the project	600000000

22.Number of buildings & its configuration

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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A2	P+11	35.40
2	B1	P+7	23.65
3	B2	P+7	23.65
4	B3	P+7	23.65
5	B4	P+8	26.55
6	B5	P+8	26.55
7	B6	P+9	29.50
8	A1	P+8	26.55
9	C1	P+9	29.50
10	C2	P+9	29.50
11	CLUBHOUSE	G	4.2

23.Number of tenants and shops	Tenements – 739 nos.
24.Number of expected residents / users	3610
25.Tenant density per hectare	280 /Ha.
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	12 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	Construction work initiated as per EC received vide ref no. SEAC-III-2013/CR244/TC-3 dated 31 March, 2015
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

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Dry season:	**Source of water**	Grampanchayat
	Fresh water (CMD):	325
	Recycled water - Flushing (CMD):	162
	Recycled water - Gardening (CMD):	30
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	517
	Fire fighting - Underground water tank(CMD):	As per Fire NOC
	Fire fighting - Overhead water tank(CMD):	As per Fire NOC
	Excess treated water	222
Wet season:	**Source of water**	Grampanchayat
	Fresh water (CMD):	325
	Recycled water - Flushing (CMD):	162
	Recycled water - Gardening (CMD):	15
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	502
	Fire fighting - Underground water tank(CMD):	As per Fire NOC
	Fire fighting - Overhead water tank(CMD):	As per Fire NOC
	Excess treated water	237
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	15-20 m BGL
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	5
	Size of recharge pits :	2m x 2m x 2m
	Budgetary allocation (Capital cost) :	750000
	Budgetary allocation (O & M cost) :	40000
	Details of UGT tanks if any :	Domestic UG tank - 325 m3 Flushing UG tank - 162 m3 Fire Tank - As per Fire NOC
35.Storm water drainage	**Natural water drainage pattern:**	Along site contour
	Quantity of storm water:	15.7 cum/min
	Size of SWD:	900 mm
Sewage and Waste water	**Sewage generation in KLD:**	414
	STP technology:	FAB
	Capacity of STP (CMD):	1 x 435 KLD
	Location & area of the STP:	Near A1 Building
	Budgetary allocation (Capital cost):	7600000
	Budgetary allocation (O & M cost):	1200000
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	25 kg/day
	Disposal of the construction waste debris:	Reused on site for backfilling & Levelling
Waste generation in the operation Phase:	**Dry waste:**	488 kg/day
	Wet waste:	1137 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	To be used as Manure
	Others if any:	NA

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Mode of Disposal of waste:	**Dry waste:**	Dry garbage will be segregated & disposed off to recyclers
	Wet waste:	Wet garbage will be treated by using Organic waste converter machine.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	To be used as Manure
	Others if any:	NA
Area requirement:	**Location(s):**	Near A1
	Area for the storage of waste & other material:	20 sqm
	Area for machinery:	80 sqm
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	1500000
	O & M cost:	500000

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable
41.Source of Fuel		Not applicable		
42.Mode of Transportation of fuel to site		Not applicable		

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43.Green Belt Development	**Total RG area :**	2664 sq.m. (Mandatory Open Space as per PMRDA Approved Layout)
	No of trees to be cut :	0
	Number of trees to be planted :	357
	List of proposed native trees :	Provided
	Timeline for completion of plantation :	6-7 months after 90% completion of construction on site

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Alzibia lebbeck	Shirish	23	Its uses include environmental management, forage, medicine and wood
2	Milingtonia Hortensis	Cork Tree	28	Tall deciduous,fragrant,fruit is capsule,medicinal plant.dried flower is good for lung tonic & cough diseases.
3	Ficus retusa	Nandruk	32	Shady tree, good for roadside plantation
4	Ficus Relegiosa	Pimpal	25	Medium Sized evergreen tree
5	Anthocephallus cadamba	Kadamb	20	Shady large tree, ball shaped flowers.
6	Cassia fistula	Bahava	25	Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plant.
7	Mimusops elengi	Bakul	48	Shady tree, small white fragrant flowers.
8	Azaridacta Indica	Neem	22	Medicinal Tree
9	Lagerstroemia flos-regineae	Tamhan	36	State flower tree of Maharashtra. Medium sized tree, beautiful purple flowers.
10	Pongamia Pinnata	Karanj	34	Medium Sized deciduous tree. Orange flowers. Butterfly host tree.
11	Erythrine Indica	Pangara	16	Medium Sized deciduous tree. Bright scarlet flowers
12	Bauhinia racemosa	Apta	22	Small tree with small white flowers, Butterfly host plant
13	Chukrasia Tabularis	Indian Mahagony	26	Fast growing evergreen tree with broad symmetrical crown, medicinal plant. Bark is used to cure Maleria,diarrhea.
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	NA	NA	NA

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47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	50 KW
	DG set as Power back-up during construction phase	62.5 KVA
	During Operation phase (Connected load):	1986 kW (2336 kVA)
	During Operation phase (Demand load):	1526 kW (1795 kVA)
	Transformer:	3 Nos.. x 630 KVA
	DG set as Power back-up during operation phase:	1 no. x 200 KVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	No

48.Energy saving by non-conventional method:

Energy Saving due to LED Lights = 2.68 %
Energy Saving due to VFD & APFC in Lifts = 0.31 %
Energy Saving due to VFD in Pumps = 1.15 %
Energy Saving due to Solar Water Heaters = 8.38 %
Energy Saving due to Solar PV = 0.56 %
Total Energy Saving = 13 %

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Energy Saving due to LED Lights = 2.68 %	2.68%
2	Energy Saving due to VFD & APFC in Lifts = 0.31 %	0.31%
3	Energy Saving due to VFD in Pumps = 1.15 %	1.15%
4	Energy Saving due to Solar Water Heaters = 8.38 %	8.38%
5	Energy Saving due to Solar PV = 0.56 %	0.56%

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	2000000
	O & M cost:	50000

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)

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1	Air Environment	Water for dust suppression	1.8
2	Socio- Economic Environment	Sanitation, Disinfection & Health check up.	6.0
3	Environment Management	Environmental monitoring	2.0
4	Training & awareness	Safety parameters	5.00

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment plant	1 no. of STPs having Capacity 432 m3/day	76	12
2	Solid Waste Management	Cost for Treatment of biodegradable garbage in OWC	15	5
3	Landscape	Tree Plantation & Landscaping	23	4.5
4	Environmental Monitoring	Monitoring and analysis of Air and Noise, water, soil etc.	MOEF approved Lab	5
5	Energy Conservation	Use of renewable (Solar) Energy	20	0.5
6	Rain Water Harvesting	Rainawater Harvesting structures	7.5	0.4

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1 no.

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Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	5001.60
	Area per car:	12.50 sq.m. per car as per PMRDA norms
	Area per car:	12.50 sq.m. per car as per PMRDA norms
	Number of 2-Wheelers as approved by competent authority:	739
	Number of 4-Wheelers as approved by competent authority:	140
	Public Transport:	NA
	Width of all Internal roads (m):	6 m & 12 m
	CRZ/ RRZ clearance obtain, if any:	-
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	-
	Category as per schedule of EIA Notification sheet	-
	Court cases pending if any	-
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

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SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-

Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

PP remained **absent**. The proposal was **deferred.**

DECISION OF SEAC

PP remained **absent**. The proposal was **deferred.**

Specific Conditions by SEAC:

FINAL RECOMMENDATION

Kindly find SEIAA decision above.

SEAC-AGENDA-0000000270

88 SEAC-3 Day 01

SEAC Meeting number: 88 **Meeting Date** May 28, 2019

Subject: Environment Clearance for Environment Clearance for Expansion of proposed Residential Project - Kumar Prithvi at S. No. 45/1 + 2 (2P), 46/13A/2, Village Kondhwa, Tal. Haveli, Dist. Pune, Maharashtra by Sukumar Township Development Pvt. Ltd.

Is a Violation Case: No

1.Name of Project	Expansion of proposed Residential & Commercial Project -
2.Type of institution	Private
3.Name of Project Proponent	Sukumar Township Development Pvt. Ltd.
4.Name of Consultant	Enviro Analysts & Engineers Pvt. Ltd.
5.Type of project	Housing project.
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in existing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	EC received vide letter no. SEAC-2011/CR.616/TC.2 dtd 19th November 2011
8.Location of the project	S. No. 45/1 + 2 (2P), 46/13A/2, Village Kondhwa, Tal. Haveli, Dist. Pune, Maharashtra
9.Taluka	Haveli
10.Village	Kondhwa, Khurd
Correspondence Name:	Sukumar Township Development Pvt. Ltd
Room Number:	-
Floor:	-
Building Name:	Kumar Capital
Road/Street Name:	East Street
Locality:	Camp
City:	Pune
11.Area of the project	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Received
	IOD/IOA/Concession/Plan Approval Number: Approval no 2540/13dtd 2.11.2013
	Approved Built-up Area: 65740.52
13.Note on the initiated work (If applicable)	PP has built 3 Bldgs of P + 7 floors before 2004. Further, initiated the work of 5 Bldgs of P + 9 floors and 1 Bldg of P + 18 floors also and completed.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	-
15.Total Plot Area (sq. m.)	47,800.00
16.Deductions	16925.47
17.Net Plot area	30874.53
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 51828.68
	b) Non FSI area (sq. m.): 42302.57
	c) Total BUA area (sq. m.): 94131.25
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 32240.97
	Approved Non FSI area (sq. m.): 33499.55
	Date of Approval: 01-11-2013
19.Total ground coverage (m2)	13565.90
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	28.00 %
21.Estimated cost of the project	1939800000.00

22.Number of buildings & its configuration

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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	5 buildings	P + 9 floors	29.30
2	1 building	P + 18 floors	58.50
3	2 buildings	B1 + B2 + P + 18 floors	58.50
4	Community Hall	Gr floor	6.00
5	Commercial	P + G + 2 floors	12.05
6	Clubhouse	Gr + 1 floor	6.00
7	Construction before 2004 - 3 buildings	P + 7 floors	23.90

23.Number of tenants and shops	Existing prior to 2004: 84 No's Proposed:486 No's. Total : 570 No's Shops: 265.95 Sq.m
24.Number of expected residents / users	Existing prior to 2004: 420 No's , Proposed: 2430 No's, Shops: 88 No's, Total: 2938 No's
25.Tenant density per hectare	185 tenant density/hectare
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	18.00 m wide DP road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.0 m
29.Existing structure (s) if any	NA
30.Details of the demolition with disposal (If applicable)	Water Tank (6m X 6m X 4m) – Demolished & Rubble used for Plinth Filling.

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

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Dry season:	**Source of water**	PMC/ Treated Water from STP
	Fresh water (CMD):	220 KLD
	Recycled water - Flushing (CMD):	112 KLD
	Recycled water - Gardening (CMD):	22 KLD
	Swimming pool make up (Cum):	6KLD
	Total Water Requirement (CMD) :	354 KLD
	Fire fighting - Underground water tank(CMD):	-
	Fire fighting - Overhead water tank(CMD):	-
	Excess treated water	164 KLD
Wet season:	**Source of water**	PMC/ Treated Water from STP
	Fresh water (CMD):	220 KLD
	Recycled water - Flushing (CMD):	112 KLD
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	6KLD
	Total Water Requirement (CMD) :	332 KLD
	Fire fighting - Underground water tank(CMD):	-
	Fire fighting - Overhead water tank(CMD):	-
	Excess treated water	186 KLD
Details of Swimming pool (If any)	Dimension of Swimming Pool: Swimming Pool Phase – I: 14.00 x 7.5 x 1.20 Total water Requirement: 14 m3 Water requirement for make up: 6 m3/day	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	15 – 20 m
	Size and no of RWH tank(s) and Quantity:	Nil
	Location of the RWH tank(s):	Nil
	Quantity of recharge pits:	16 nos.
	Size of recharge pits :	1.8 m X 1.2 m x 2 m
	Budgetary allocation (Capital cost) :	Rs 10 Lakhs
	Budgetary allocation (O & M cost) :	Rs 0.5 Lakhs/Annum
	Details of UGT tanks if any :	Domestic UG tank Capacity: 220 cum Flushing UG Tank Capacity: 112 cum
35.Storm water drainage	**Natural water drainage pattern:**	East to West
	Quantity of storm water:	0.25 cum/sec
	Size of SWD:	0.45 M Width 0.45 M Depth
Sewage and Waste water	**Sewage generation in KLD:**	295 KLD
	STP technology:	SMBR & MBBR
	Capacity of STP (CMD):	315 KLD(115 KLD SMBR type STP already installed & 200 KLD is proposed.)
	Location & area of the STP:	Ground
	Budgetary allocation (Capital cost):	Rs. 65 Lakhs
	Budgetary allocation (O & M cost):	Rs. 10 lakhs/annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Top soil to be preserved for landscaping
	Disposal of the construction waste debris:	The total quantity of the excavated soil will be used for land filling, and surplus will be sent to authorize dumping sites. Scrap material will be sold to recyclers
Waste generation in the operation Phase:	**Dry waste:**	570 kg/day
	Wet waste:	855 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	14 kg/day
	Others if any:	NA

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Mode of Disposal of waste:	**Dry waste:**	Handover to Authorized Dealers.
	Wet waste:	Will be processed in the OWC &manure so obtained will be used for landscaping.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	To be used as manure
	Others if any:	NA
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	100 sq.m
	Area for machinery:	3 sq.m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 6.0 Lakhs
	O & M cost:	Rs. 2 lakhs/annum

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

Amount of effluent generation (CMD):	Not applicable
Capacity of the ETP:	Not applicable
Amount of treated effluent recycled :	Not applicable
Amount of water send to the CETP:	Not applicable
Membership of CETP (if require):	Not applicable
Note on ETP technology to be used	Not applicable
Disposal of the ETP sludge	Not applicable

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable

41.Source of Fuel	Not applicable
42.Mode of Transportation of fuel to site	Not applicable

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43.Green Belt Development	**Total RG area :**	3617.86 sq.m
	No of trees to be cut :	-
	Number of trees to be planted :	455 nos.
	List of proposed native trees :	as listed below
	Timeline for completion of plantation :	by the end of construction phase

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Mimusopselengi	Bakul	15	Evergreen tree
2	Cassia fistula	Bahava	20	Flowering tree
3	Azardirachta indica	Neem	20	Medicinal tree
4	Plumeria alba	Franjipani	18	Flowering tree
5	Lagerstroemia speciosa	Pride of india	20	Flowering tree
6	Saracaasoca	Sita Ashoka	27	sacred trees
7	Millingtonia hortensis	Indian cork tree	22	Flowering tree
8	Caryotaurens	Fishtail palm	23	Shady tree
9	Mangifera indica	Mango	25	Fruiting tree
10	Artocarpushetero phyllus	Jackfruit	30	Fruiting tree
11	Artocarpushetero phyllus	Jackfruit	30	Fruiting tree
12	Pongamia pinnata	Karanj	15	Evergreen tree
13	Nyctanthesarbor-tristis	Parijatak	20	Flowering tree
14	Anthocephallus cadamba	Kadamba	25	Flowering tree
15	Bauhinia purpurea	Butterfly tree	18	Flowering tree
16	Khayagrandis	Khaya	25	Evergreen tree
17	Albizia lebbeck	Shirish	28	Flowering tree
18	Ficus bengalensis	Banyan tree	10	Evergreen tree
19	Erythrina indica	Pangara	15	Flowering tree
20	Bahunia tomentosa	Yellow orchid tree	10	Flowering tree
21	Michalia champaca	Soan chaffa	32	Flowering tree
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	-	-	-

47.Energy

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Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	80 kW
	DG set as Power back-up during construction phase	100 KVA
	During Operation phase (Connected load):	7678.6 kW
	During Operation phase (Demand load):	1539.5 kW
	Transformer:	6 Nos. X 630 KVA
	DG set as Power back-up during operation phase:	125 KVA - 1 No, 50 KVA - 1 No, 250 KVA - 1 No
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

-

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total energy savings	11.01 %

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 90 Lakhs
	O & M cost:	Rs.4 Lakhs/yr

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water Sprinkling, Green Belt Development,Covered storagearea	4
2	Noise Environment	Noise Baricades and Green Belt Developments	3
3	Water Environment	Modular STP ,Drainage with sedimentation tanks	3

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4	Good Health Practices	Site Sanitation & Health Care	3
5	Environment Monitoring	Air,water,noise,soil monitoring during construction phase	3

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	solid waste management	OWC	6	2
2	waste water management	STP	65	10
3	energy	solar savings	90	4
4	RWH system	RWH	10	0.5
5	Landscape	Greenbelt	17	3

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1 no. of entry & exit from 12 m wide DP road

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Parking details:	**Number and area of basement:**	Nil
	Number and area of podia:	12757
	Total Parking area:	29040
	Area per car:	34
	Area per car:	34
	Number of 2-Wheelers as approved by competent authority:	1254
	Number of 4-Wheelers as approved by competent authority:	847
	Public Transport:	Nil
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	Schedule 8 (a), Category B
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	04-07-2017

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TOR Suggested Changes

Consolidated Statement Point Number	Original Remarks	Submitted Changes
16.Deductions (sq. m.):	16925.47	17065.23
17.Net Plot area (sq. m.):	30874.53	27116.91
18 (a).Proposed Built-up Area (FSI & Non-FSI)	--	--
FSI area (sq. m.):	51828.68	56252.24
Non FSI area (sq. m.):	42302.57	40389.26

Total BUA area (sq. m.):	94131.25	96641.5
19.Total ground coverage (m2)	13565.9	15210
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	28	31
23.Number of tenants and shops	Existing prior to 2004: 84 No's Proposed: 486 No's. Total : 570 No's Shops: 265.95Sq.m	Existing prior to 2004: 84 No's Proposed: 570 No's. Total : 654 No's Shops: 264.97 Sq.m
24.Number of expected residents / users	Existing prior to 2004: 420 No's Proposed: 2430 No's. shops 88 Nos. Total : 2938 No's	3357 No's (including commercial)
25.Tenant density per hectare	185	218
32- Total water Requirement	--	--
Dry Season	--	--
Fresh water (CMD):	220	296
Recycled water - Flushing (CMD):	112	149
Swimming pool make up (Cum):	6	14
Total Water Requirement (CMD)	354	481
Excess treated water	164	180
wet season	--	--
Fresh water (CMD):	220	296
Recycled water - Flushing (CMD):	112	149
Swimming pool make up (Cum):	6	14
Total Water Requirement (CMD)	332	459
Excess treated water	186	220
Details of Swimming pool (If any)	Swimming Pool Phase – I: 14x7.5x1.2.= 2 Nos. Total water Requirement: 14 m3 Water requirement for make up: 6 m3/day	Swimming Pool Phase – I: 38x18x4 ft.= 2 Nos. Total water Requirement: 155 m3 Water requirement for make up: 14 m3/day
36.Sewage and Waste water	--	--
Sewage generation in KLD:	295	350
Capacity of STP (CMD):	315 KLD (115 KLD SMBR type STP already installed & 200 KLD is proposed)	3 Nos. (115 KLD SMBR type STP already installed, 70 KLD and 185 KLD is proposed.)
Budgetary allocation (Capital cost):	Rs. 65.00 Lakhs	Rs. 72.95 Lakhs
Budgetary allocation (O & M cost):	Rs. 10.00 lakhs/annum	Rs. 18.23 lakhs/annum
37.Solid waste Management	--	--
Dry waste:	570 kg/day	599 kg/day
Wet waste:	855 kg/day	890 kg/day

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48.Energy	--	--
During Operation phase (Connected load):	7678.6	8656 kW
During Operation phase (Demand load):	1539.5	2439 kW
Transformer:	6 Nos. X 630 KVA	7 Nos. X 630 KVA
DG set as Power back-up during operation phase:	125 kva-1 N0., 50 KVA-1 No.,	2 Nos. (425 kVA 1 No., 126 kVA 1 No.)
50.Detail calculations & % of saving:	--	--
Total energy savings	11.01	11.40
52.Environmental Management plan Budgetary Allocation	--	--
b) Operation Phase (with Break-up):	--	--
STP	--	--
Capital cost	Rs. 65.00 Lakhs	Capital cost:Rs. 72.95
O & M cost	Rs. 10.00 lakhs/annum	O & M cost: Rs. 18.23

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

PP submitted their application for prior Environmental clearance for total plot area of 47,800 m2, FSI area of 51828.68 m2, Non FSI area of 42302.57 m2 and total BUA of 94131.25 m2.

The PP was granted Terms of Reference in 72nd SEAC-3 meeting for proposed Construction for undertaking Environment Impact Assessment (EIA) and preparation of Environment Management Plan (EMP) including all above points for further discussion and consideration of SEAC as per MoEF & CC Notification dated 14/03/2017 and 8/03/2018.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B2.

DECISION OF SEAC

SEAC-AGENDA-0000000270

During discussion following points emerged:

1. PP to submit Assessment of ecological damage with respect to air, water, land and other environmental attributes. The collection and analysis of data shall be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1986, or an environmental laboratory duly notified under the Environment (Protection) Act,1986, or an environmental laboratory accredited by NABL, or a laboratory of a Council of Scientific and Industrial Research (CSIR) institution working in the field of environment.

2. PP to Submit an EMP comprising remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.

3. PP to submit the remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter in the EIA report by the accredited consultants.

4. PP to revise traffic impact studies considering traffic generation from two similar developments in the vicinity. Existing volume on approach road shall be counted and traffic generation from phae-1 and phase-2 shall be added to the same with 5 year and 15 year projections. Present and projected V/C ratios shall be indicated accordingly.

5. PP to submit details of internal storm water drain.

6. PP to submit the Plan showing alignment of storm water drain, the depth along with chambers and final disposal point & section through the internal road. showing place left for planting of trees. Sewage water drain internal road and space left between, building & internal Road.

7. PP to submit Environmental status report clearly mentioning the mitigation measures undertaken already.

8. PP to submit details of existing and proposed STP. PP to submit monitoring reports of existing STP.

9. PP to submit ecological damage assessment in terms of embodied energy and global sectors with LCA approach and with applicable coefficient ultimately reporting in terms of cost. PP to submit carbon foot print report.

10. PP to submit NOC,s for Water supply, Disposal of solid waste, sewage connection to Municipal sewer pipeline and CFO NOC.

11. PP to submit details of landscaping along with survival report of existing trees and plantation plan.

PP requested for time to submit the information sought; after deliberations committee asked PP to ***comply with*** *the observations and submit information to the committee for further discussion and consideration of SEAC.*

Specific Conditions by SEAC:

1) -

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FINAL RECOMMENDATION

SEAC-III decided to defer the proposal.Kindly find SEAC decision above.

SEAC-AGENDA-0000000270

88 SEAC-3 Day 01

SEAC Meeting number: 88 **Meeting Date** May 28, 2019

Subject: Environment Clearance for Environment Clearance for Amendment

Is a Violation Case: No

1.Name of Project	Residential & Commercial Development
2.Type of institution	Private
3.Name of Project Proponent	M/s. BramhaCorp Ltd.
4.Name of Consultant	Enviro Analysts & Engineers Pvt. Ltd.
5.Type of project	Residential and Commercial Development
6.New project/expansion in existing project/modernization/diversification in existing project	Amendment in EC
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes, EC has been obtained vide letter No. vide letter no. SEIAA –EC-0000000525 dated -27.11.2018 for total construction built up area 6,25,393.12 m2
8.Location of the project	S. No. 7/1, 7/2, 7/3, 7/4, 7/5, 8/1/1/2 and 3/2 (P) off Nagar Road, Kalyani Nagar, Wadgaon Sheri,
9.Taluka	Haveli
10.Village	Wadgaon Sheri,
Correspondence Name:	Mrs. Anjali Bendarkar
Room Number:	3
Floor:	-
Building Name:	Queen's Garden, Residency Club
Road/Street Name:	Residency Club
Locality:	Camp
City:	Pune
11.Area of the project	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	IOD/IOA/Concession/Plan Approval Number: We have received sanction dated 8.10.2018 no.DPO/CC/2049/18 for FSI area of 376068.14 m2 and Non-FSI area of 246324.98 m2 TBUA.- 625393.12 m2 Further, we have applied for full potential Approved Built-up Area: 625393.12m2
	IOD/IOA/Concession/Plan Approval Number: DPO/CC/2049/18 dated 8.10.2018
	Approved Built-up Area: 625393.12
13.Note on the initiated work (If applicable)	Construction work is ongoing as per the previous EC from SEIAA, Maharashtra vide letter no. SEIAA –EC-0000000525 dated -27.11.2018 Existing buildings at site A1, A2, C1, C2, C3, CL1, CL2, D1, D2, D3, D4, D5, D6, E1, E2, E3, E4, E5, E6, E7, L1,L2,L3,A3, C4,C5,A4, C6, D7, CL3, Multipurpose hall, , club House,Bungalows,Tower1, Tower 2, Tower 3, Tower 4 ,Tower 5, Tower 6, Tower 7, RCC & brick work completed for Tower 8 . excavation initiated for Tower 9 & 10 as per earlier EC. (FSI : 190122.75 m2 , Non FSI – 196782.66 m2 , Total BUA- 386905.41 m2)
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	177900 m2
16.Deductions	9879 m2
17.Net Plot area	168021.00 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 410662.20
	b) Non FSI area (sq. m.): 414586.05
	c) Total BUA area (sq. m.): 825248.25
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 376068.14
	Approved Non FSI area (sq. m.): 246324.98
	Date of Approval: 08-10-2018
19.Total ground coverage (m2)	97544.38
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	58%
21.Estimated cost of the project	11495700000

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22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A1 (Completed)	P+9	28.9
2	A2 (Completed)	P+9	31.79
3	C1 (Completed)	P+9	28.9
4	C2 (Completed)	P+9	28.9
5	C3 (Completed)	P+9	31.79
6	CL1 (Completed)	P+9	28.9
7	CL2 (Completed)	P+9	31.79
8	D1 (Completed)	P+9	28.9
9	D2 (Completed)	P+9	28.9
10	D3 (Completed)	P+9	28.9
11	D4 (Completed)	P+9	31.79
12	D5 (Completed)	P+9	31.79
13	D6 (Completed)	P+9	31.79
14	E1 (Completed)	P+9	28.9
15	E2 (Completed)	P+9	28.9
16	E3 (Completed)	P+9	28.9
17	E4 (Completed)	P+9	28.9
18	E5 (Completed)	P+9	31.79
19	E6 (Completed)	P+9	31.79
20	E7 (Completed)	P+9	31.79
21	L1 (Completed)	P+9	28.9
22	L2 (Completed)	P+9	28.9
23	L3 (Completed)	P+9	28.9
24	A3 (Completed)	P+11	35.90
25	C4 (Completed)	P+11	35.90
26	C5 (Completed)	P+11	35.90
27	A4 (Completed)	P+11	31.79
28	C6 (Completed)	P+11	31.79
29	D7 (Completed)	P+11	31.79
30	CL3 (Completed)	P+11	31.79
31	Multi-purpose Hall &Club house (Completed)	P+2 & G + 1	8.48
32	Bungalows (Completed) - 4 no	G + 2	12
33	Tower 1 (completed)	B+G+P+S+18	63.65
34	Tower 2 (completed)	B+G+P+S+18	63.65
35	Tower 3 (completed)	B+G+P+S+18	63.65
36	Tower 4 (completed)	B+G+P+S+18	63.65
37	Tower 5 (completed)	B+G+P+S+20	69.45
38	Tower 6 (completed)	B+G+P+S+20	69.45
39	Tower 7 (completed)	B+G+P+S+20	69.45
40	Tower 8 (Ongoing)	B+G+P+S+22	75.25

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41	Tower 9 (wing A and B) (Proposed)	B4+B3+B2+B1+LG+GR+ P1+P2+27	90.00
42	Tower 10 (B1 toB8) (Proposed)	B4+B3+B2+B1+LG+GR+ P1+P2+P3+26	90.00
43	Structure G1 (Proposed)	Ground	4.80
44	Building A (Proposed)	P+8	27.00
45	Building B (Proposed)	3B+stilt+2P+26	83.5
46	Club House (Proposed)	G+1	8.4

23.Number of tenants and shops	3915 flats, and 323 shops and 1414 offices
24.Number of expected residents / users	Residential – 19575 Nos. Commercial - 9255
25.Tenant density per hectare	233
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Nearest fire station: Amanora Fire Station 4.6 Km from site. Width of the road from nearest
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9m
29.Existing structure (s) if any	Construction work is ongoing as per the previous EC from SEIAA, Maharashtra vide letter no. SEIAA –EC-0000000525 dated -27.11.2018 Existing buildings at site A1, A2, C1, C2, C3, CL1, CL2, D1, D2, D3, D4, D5, D6, E1, E2, E3, E4, E5, E6, E7, L1,L2,L3,A3, C4,C5,A4, C6, D7, CL3, Multipurpose hall, club House,Bungalows,Tower1, Tower 2, Tower 3, Tower 4 ,Tower 5, Tower 6, Tower 7, RCC & brick work completed for Tower 8 . excavation initiated for Tower 9 & 10 as per earlier EC. (FSI : 190122.75 m2
30.Details of the demolition with disposal (If applicable)	Labour camp - 50 Cum debris will be generated that comprises of mortar and bricks

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	NA	NA	NA	NA

32.Total Water Requirement

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Dry season:	**Source of water**	Pune Municipal Corporation
	Fresh water (CMD):	1946
	Recycled water - Flushing (CMD):	1112
	Recycled water - Gardening (CMD):	210
	Swimming pool make up (Cum):	25
	Total Water Requirement (CMD) :	3293
	Fire fighting - Underground water tank(CMD):	Existing (A1 to A4, C1 to C6, CL1 to CL3, D1 to D7, L1 to L3, E1 to E7 and MPH, Bungalow) – 500 KLD 2. Tower 1 to Tower 8, -800 KLD 3. Tower 10 (B1-B8) -1000 KLD 4. Building A & B,-100 KLD each 5. Tower 9 (Wing A and B) – 300 KLD
	Fire fighting - Overhead water tank(CMD):	1. Existing (A1 to A4, C1 to C6, CL1 to CL3, D1 to D7, L1 to L3, E1 to E7 and Bungalow) – 300 KLD 2. Tower 1 to Tower 8 -200 KLD 3. Tower 10 (B1-B8) – 150 KLD 4. Building A & B – 50 KLD/each 5. Tower 9 (Wing A and B) – 80 KLD
	Excess treated water	1156
Wet season:	**Source of water**	Pune Municipal Corporation
	Fresh water (CMD):	1946
	Recycled water - Flushing (CMD):	1112
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	25
	Total Water Requirement (CMD) :	3083
	Fire fighting - Underground water tank(CMD):	. Existing (A1 to A4, C1 to C6, CL1 to CL3, D1 to D7, L1 to L3, E1 to E7 and MPH, Bungalow) – 500 KLD 2. Tower 1 to Tower 8, -800 KLD 3. Tower 10 (B1-B8) -1000 KLD 4. Building A & B,-100 KLD each 5. Tower 9 (Wing A and B) – 300 KLD
	Fire fighting - Overhead water tank(CMD):	1. Existing (A1 to A4, C1 to C6, CL1 to CL3, D1 to D7, L1 to L3, E1 to E7 and Bungalow) – 300 KLD 2. Tower 1 to Tower 8 -200 KLD 3. Tower 10 (B1-B8) – 150 KLD 4. Building A & B – 50 KLD/each 5. Tower 9 (Wing A and B) – 80 KLD
	Excess treated water	1366
Details of Swimming pool (If any)	Swimming pool 1: Area : 250 m2 Swimming Pool 2 & 3: Main pool volume: 192 cu.m Kids pool volume: 31.46 cu.m Swimming Pool 4-168.8 m2 and 50.6 m2	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	NA	NA	NA	NA	NA	NA	NA	NA	NA

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Summer Season – 15.60 m. to 20.20 m. BGL. (17.90 M. Average) Rainy Season – 4.20 m. to 6.20 BGL. (5.20 M. Average) Winter Season – 9.90 m. to 13.20 m. BGL. (11.55 M. Average)
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	28 nos.
	Size of recharge pits :	2.50 m. X 2.50 m. X 2.00 m Depth via 2 No. of de-siltation pits of 0.9 m. Dia. 1.0 m. Depth
	Budgetary allocation (Capital cost) :	Rs 35 Lakhs
	Budgetary allocation (O & M cost) :	Rs 1.5 Lakhs/Annum
	Details of UGT tanks if any :	Domestic UG tank Capacity: 2940cum Fire Fighting Tank Capacity: 1800 cum
35.Storm water drainage	**Natural water drainage pattern:**	North to South and East to West
	Quantity of storm water:	854 cum/day
	Size of SWD:	Internal 300-450 mm SWD
Sewage and Waste water	**Sewage generation in KLD:**	2753 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	STP –5 Nos. (770 KLD, 640KLD, 850KLD, 330KLD, 170KLD)
	Location & area of the STP:	1. 770 KLD – 500 m2 2. 640 KLD – 420 m2 3. 850 KLD- 290 m2, 4. 330 KLD – 135 m2 5. 170 KLD – 95 m2
	Budgetary allocation (Capital cost):	Rs. 152.00lakhs
	Budgetary allocation (O & M cost):	Rs. 31.62 lakhs/annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	180 kg/day
	Disposal of the construction waste debris:	The total quantity of the excavated soil will be used for land filling, and surplus will be sent to authorize dumping sites. Scrap material will be sold to recyclers
Waste generation in the operation Phase:	**Dry waste:**	4401 kg/day
	Wet waste:	6583 Kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	200kg/day
	Others if any:	3324 kg/day- e waste

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Mode of Disposal of waste:	**Dry waste:**	Handed over to authorized recycler
	Wet waste:	Treated on OWC and used as manure
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	To be used as manure
	Others if any:	NA
Area requirement:	**Location(s):**	2 OWC near Tower 6, 1 OWC near Bldg. B, 1 OWC near Bldg. D6, 1 OWC near Tower 9, 1 OWC near Tower 10
	Area for the storage of waste & other material:	382 m2
	Area for machinery:	266 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 90.96 Lakhs
	O & M cost:	Rs. 22.05Lakhs/annum

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	NA	NA	NA	NA	NA
Amount of effluent generation (CMD):		NA			
Capacity of the ETP:		NA			
Amount of treated effluent recycled :		NA			
Amount of water send to the CETP:		NA			
Membership of CETP (if require):		NA			
Note on ETP technology to be used		NA			
Disposal of the ETP sludge		NA			

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	NA	NA	NA	NA	NA	NA	NA

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	125 kVA	20.2 lit./hr. per DG	1	4.3	0.1016	450 degree C
2	160 kVA	27.7 lit./hr. per DG	1	4.3	0.1016	450 degree C
3	320kVA	52.5 lit./hr. per DG	6	4.8	0.1524	450 degree C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel	Diesel	Diesel	Diesel
41.Source of Fuel		From Authorized Vendor		
42.Mode of Transportation of fuel to site		By Road		

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43.Green Belt Development	**Total RG area :**	16802
	No of trees to be cut :	0
	Number of trees to be planted :	2380
	List of proposed native trees :	listed as below
	Timeline for completion of plantation :	by the end of construction phase

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	EXISTING TREES	-	-	-
2	Ficus lyrata	Ficus	84	large evergreen tree
3	Plumeria obtusa	chafa	244	ornamental and fragrant flower
4	Caryota urens	Palm	44	flowering plant in the palm family
5	Brassia actinophylla	Brassia	21	large ornamental tree
6	Spathodea campanulata	Spathodia	45	lowering trees
7	Callistemon citrinus	Bottelbrush	97	Evergreen tree with Red coloured
8	Ficus religiosa	Pimpal	9	large dry season-deciduous or semi-evergreen tree
9	Cordia sebestena	Cordia	58	evergreen foliage with red coloured flowers.
10	Millingtonia hortensis	Buch	54	evergreen tree with white flowers
11	Nyctanthes arbor-tristis	Parijatak	1	Small tree with sweet fragrance flower
12	Cascabela thevetia	Bitti	70	Ornamental tree
13	Tabebuia rosea	Pink trumpet Tree	30	Ornamental tree
14	Mangifera indica	MAngo	24	Fruit bearing tree
15	Syzygium cumini	Jhambul	1	Fruit bearing tree
16	Cassia fistula	Bahava	43	Ornamental tree
17	Lagerstroemia floregineae	Tamhan	23	Ornamental tree
18	avenala madagascariensis	Travelers Palm	5	evergreen tree with an open, fan-like crown
19	Phoenix canariensis	Phonix Palm	4	ornamental landscaping tree
20	Saraca asoca	Ashoka	36	Evergreen tree
21	Grevillea robusta	Silver Oak	4	flowering plant
22	Delonix regia	Gulmohar	6	flowering plant
23	Azadirachta indica	Neem	6	Evergreen medicinal tree
24	Eucalyptus	Nilgiri	1	medicinal tree
25	Samanea saman	Rain Tree	1	Evergreen tree
26	Filicium decipiens	Filicium	27	Native evergreen tree
27	Jacaranda mimosifolia	Jacaranda	1	Tree with attractive and long-lasting pale indigo flowers
28	Tecoma stans	Yellow trumpet	124	Tree with yellow bell shaped flowers

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29	Ficus racemosa	Umbar	3	Attractive fruit bearing tree
30	Terminalia bellirica	Behada	1	Medicinal plant
31	Ficus benghalensis	Vad	1	Evergreen tree with small bird attreacting fruits
32	Senegalia catechu	Khair	1	deciduous, thorny tree
33	Bombax ceiba	Katesavar	1	deciduous, thorny tree with red flowers
34	Phyllanthus emblica	Aonla	1	Fruit bearing tree
35	Pisonia umbellifera	Bird catcher tree	10	medicinal and ornamental plant
36	Cocos nucifera	Coconut	26	Fruit bearing tree
37	Areca catechu	Supari	52	Fruit bearing tree
38	Bamboo	Bamboo	520	Ornamental plant
39	Swietenia mahagoni	Mohagani	10	finest timber plant
40	Poplar	Poplar	75	--
41	PROPOSED TREES			
42	Peltophorumpterocarpum	Copperpod	55	Deciduous red flowering
43	Delonixregia	Gulmohar	52	Evergreen tree
44	Tabebuiarosea	Pink trumpet Tree	5	Deciduouspink flowering
45	Samaneasaman	RainTree	9	Evergreen tree
46	Pongamiapinnata	Karanj	9	Deciduous Tree
47	Kigeliaafricana	Sausage Tree	12	Evergreen tree
48	Cassia grandis	Pink Cassias	12	Deciduous pink flowering Tree
49	Millingtoniahortensis	Indian Cork tree	17	Fragrance flowering tree
50	Anthocephalluscadamba	Kadamb tree	18	Shady large tree, ball shaped flowers
51	Bauhinia racemosa	Kanchan	24	Small tree with white/pink flowers
52	Micheliachampaca	Sonchafa	63	Medium sized, evergreen, fragrance yellow flower
53	Grevillea robusts	Silver Oak	37	Evergreen tree
54	Azadiractaindica	Neem	27	Large evergreen medicinal tree
55	Bombaxceiba	Katesavar	10	Large tree with red flowers
56	Mimusopselengi	Bakul	41	Shady flowers with white small fragrant flower
57	Nyctanthes arbor-tristis	Prajakta	99	Small deciduous fast growing flowering tree
58	Lagerstroemia floregineae	Tamhan	27	Medium size tree with purple flowers
59	Cassia fistula	Bahava	99	Yellow flower tree.
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	Bougainvillea	450 c/c	--
2	Caesalpinia	600 c/c	--
3	Jatropha	300 c/c	
4	Tecoma gaudichaudi	600 c/c	
5	Mussaendra	300 c/c	

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6	Murraya exotica	450c/c	
7	Hamelia patens	300 c/c	

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	200 kW
	DG set as Power back-up during construction phase	180 KVA
	During Operation phase (Connected load):	31823 kW
	During Operation phase (Demand load):	20120 kW
	Transformer:	Existing 13 Nos. X 630 KVA Proposed: 8 Nos. X 630 KVA, 6 Nos. 999 KVA, 6 Nos. 1250 KVA
	DG set as Power back-up during operation phase:	Existing 250 KVA – 2no. 160 KVA – 3 No. 125 KVA – 1 no., 500 KVA – 2 Nos. = 8 Nos. Proposed: 6 Nos. 320 kVA, 1 No. 160 kVA, 1 No. 125 kVA = 8 Nos.
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Auto Timer for external & common lighting
Use of CFL/LED lamps in all public/ common area
Solar powered water heating
Electronic V3F Drives for Elevator
Solar PV Panel power for common area lighting

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar PV Panels : 360000 KWH / Annum	0.63
2	Timer Logic Controller : 1093467 KWH / Annum	1.92
3	Electronic V3F drive for Lifts : 69924 KWH / Annum	0.12
4	Solar Water Heater : 2214324 KWH / Annum	10.48
5	Total energy saving KWh/annum-7483587.07	--
6	Total % of saving	13.16

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Waste water	STP 1 no. 770 KLD, 1 no. of 640 KLD	3 STP
Solid waste	2 OWC	4 OWC

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Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 494.24 Lakhs
	O & M cost:	Rs. 27.57 Lakhs/annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air & Noise Environment	Water for dust suppression, Air & Noise Monitoring	2.64
2	Water Environment	for construction + monitoring	6.6
3	Land	Site Sanitation- Mobile toilets	4.8
4	Biological	Gardening Set Up and top soil preservation	12
5	Socio- Economic Environment	Site sanitation	1.3

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	solid waste management	OWC	90.96	22.05
2	waste water management	STP	152.00	31.62
3	energy	solar savings	494.24	27.57
4	RWH system	Recharge pits	35.00	1.50
5	Landscape	Landscape	93.41	5.6
6	Basement dewatering for proposed phase	Basement dewatering for proposed phase	3.00	0.15
7	Environmental Monitoring	Environmental Monitoring	--	27.94
8	Swimming Pool	Swimming pool	139	13.9

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

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	Nos. of the junction to the main road & design of confluence:	Project is abutting to 18m road and junction known as Shivaji Chowk at North side, 24 m wide road at north side
Parking details:	**Number and area of basement:**	4 Nos., + Lower ground = 104556 m2
	Number and area of podia:	Stilt+4 Podium= , 86533 m2
	Total Parking area:	219899 m2
	Area per car:	Basement: 35 m2 Stilt/Podium: 30 m2
	Area per car:	Basement: 35 m2 Stilt/Podium: 30 m2
	Number of 2-Wheelers as approved by competent authority:	--
	Number of 4-Wheelers as approved by competent authority:	5361
	Public Transport:	Local conveyance available
	Width of all Internal roads (m):	6 m driveway
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	Schedule 8 (a), Category B1
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	26-02-2018

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SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-

Ground water parameters	-
Solid Waste Management	-
Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

PP remained **absent**. The proposal was **deferred.**

DECISION OF SEAC

PP remained **absent**. The proposal was **deferred.**

Specific Conditions by SEAC:

FINAL RECOMMENDATION

Kindly find SEIAA decision above.

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88 SEAC-3 Day 01

SEAC Meeting number: 88 **Meeting Date** May 28, 2019

Subject: Environment Clearance for Environmetal clearance for proposed Residential and commercial scheme "Majestique Towers" at Gat No. 1284/B,Wagholi, Taluka- Haweli, Pune by Sharadshree Developers (Majestique promoters and builders LLP)

Is a Violation Case: No

1.Name of Project	Environmetal clearance for proposed Residential and commercial scheme "Majestique Towers" at Gat No. 1284/B,Wagholi, Taluka- Haweli, Pune by Sharadshree Developers (Majestique promoters and builders LLP)
2.Type of institution	Private
3.Name of Project Proponent	Mr. Manish Maheshwari
4.Name of Consultant	VKe Environmetal LLP
5.Type of project	Residential & commercial Development.
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	N.A.
8.Location of the project	Gat. No. - 1284/B
9.Taluka	Haveli
10.Village	Wagholi
Correspondence Name:	Sharadshree Developers (Majestique promoters and builders LLP)
Room Number:	Offic No. 3,4,5
Floor:	Gr. Floor
Building Name:	Swayambhu
Road/Street Name:	Nr. Pune Satara Road
Locality:	Mukundnagar
City:	Pune
11.Area of the project	PMRDA
12.IOD/IOA/Concession/Plan Approval Number	N.A.
	IOD/IOA/Concession/Plan Approval Number: In Process
	Approved Built-up Area: 119942
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	In process
15.Total Plot Area (sq. m.)	58200 sq. m.
16.Deductions	Road widening 496.11
17.Net Plot area	57703.89 sq. m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 91292 sq. m
	b) Non FSI area (sq. m.): 58917 sq. m
	c) Total BUA area (sq. m.): 148209
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 00
	Approved Non FSI area (sq. m.): 00
	Date of Approval: 01-01-1900
19.Total ground coverage (m2)	7385 sq. m
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	12.79
21.Estimated cost of the project	3000000000

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22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A	LP+UP+14	44.17
2	B	LP+UP+14	44.17
3	C1	LP+UP+14	44.17
4	C2	LP+UP+14	44.17
5	C3 (10 floors for MHADA)	LP+UP+14	44.17
6	C4	LP+UP+14	44.17
7	D1	LP+UP+14	44.17
8	D2	LP+UP+14	44.17
9	E1 to E8	LP+UP+14	44.17
10	E9 and E10	LP+UP+11	35.62
11	F (Commercial)	G+2	14.40
12	Club house	G+1	7.2

23.Number of tenants and shops	Residential:1144 Shops: 36
24.Number of expected residents / users	Residential Tenents : 5720 Commercial users: 1024
25.Tenant density per hectare	200
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Access for site is from 15m wide Service road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Min 9m
29.Existing structure (s) if any	NA
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

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Dry season:	**Source of water**	Wagholi Grampanchayat
	Fresh water (CMD):	541
	Recycled water - Flushing (CMD):	278
	Recycled water - Gardening (CMD):	76
	Swimming pool make up (Cum):	3
	Total Water Requirement (CMD) :	899
	Fire fighting - Underground water tank(CMD):	750
	Fire fighting - Overhead water tank(CMD):	10 kld each building
	Excess treated water	309
Wet season:	**Source of water**	Wagholi Grampanchayat
	Fresh water (CMD):	541
	Recycled water - Flushing (CMD):	278
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	3
	Total Water Requirement (CMD) :	823
	Fire fighting - Underground water tank(CMD):	750
	Fire fighting - Overhead water tank(CMD):	10 kld each building
	Excess treated water	385
Details of Swimming pool (If any)	Main Pool Size: 8m x 16 m x 1.2 m depth Baby Pool Size: 6 m x 6 m x 0.7 m depth Details of quality to beach ieved For swimming pool water and parameters to be monitored: Sr. No. Parameters Standard 1. pH 7.2 7.6 2. Chlorine level 1 to 1.5 mg/l Capital Cost: 12.25 Lakh O & M Cost: 2.40 Lakh per annum	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	15 to 27 m bgl
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	14
	Size of recharge pits :	2M X 2M X 2.5M
	Budgetary allocation (Capital cost) :	7,50,000
	Budgetary allocation (O & M cost) :	60,000
	Details of UGT tanks if any :	Domestic UG tank Capacity: 814 cum Flushing UG tank Capacity: 418 cum Fire UG tank Capacity: 750 cum
35.Storm water drainage	**Natural water drainage pattern:**	Natural water drainage pattern: The storm water drainage will be designed according to contours. The storm water collected through the storm water drains of adequate capacity will be led to recharge pits
	Quantity of storm water:	32.30 m3/min
	Size of SWD:	600 mm
Sewage and Waste water	**Sewage generation in KLD:**	737
	STP technology:	MBBR
	Capacity of STP (CMD):	750CMD
	Location & area of the STP:	On ground
	Budgetary allocation (Capital cost):	1,77,70,000
	Budgetary allocation (O & M cost):	36,02,700
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Dry waste (Kg/day): 8 kg/day Wet waste (Kg/day): 12 kg/day =Total waste generated: 20 kg/day
	Disposal of the construction waste debris:	The construction waste generated during construction shall be segregated, reused on site and surplus shall be led to scrap dealers for recycling.
Waste generation in the operation Phase:	**Dry waste:**	1298 Kg/day
	Wet waste:	1818 Kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	45 Kg/day
	Others if any:	10.64 Kg/day

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Mode of Disposal of waste:	**Dry waste:**	Will be handed over to authorized vendor
	Wet waste:	Will be operated in OWC
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be operated in OWC
	Others if any:	E waste will be handed over to authorized vendor
Area requirement:	**Location(s):**	On ground
	Area for the storage of waste & other material:	Total area115 sq.mt.
	Area for machinery:	Total area115 sq.mt.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	39,25,000
	O & M cost:	8,87,636

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable
41.Source of Fuel		Not applicable		
42.Mode of Transportation of fuel to site		Not applicable		

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43.Green Belt Development	**Total RG area :**	Mandatory Open space: 5770.39 m2
	No of trees to be cut :	48 trees are existed on site and all will be retained
	Number of trees to be planted :	722
	List of proposed native trees :	Refer below list
	Timeline for completion of plantation :	Till the end of the construction phase

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Cassia grandis	Pink shower	44	Drought tolerant, ornamental & medicinal plant
2	Micheliachampaca	Champa	42	Evergreen timber plant, ornamental
3	Mimusopeselengi	Bakul	42	Evergreen tree, timber yielding and medicinal plant
4	Ficusbenjamina	Weeping fig	42	Evergreen & bird attracting tree
5	Syzygiumcumini	Jambhul	42	fruit tree & bird attracting
6	Buteamonosperma	Flame tree	42	Used in pesticide & dye preparation,
7	Mangiferaindica	Mango tree	42	Evergreen & bird attracting tree
8	Cassia Fistula	Golden Shower	44	Drought tolerant, ornamental & medicinal plant
9	Saracaindica	Sita ashok	42	Evergreen medicinal plant
10	Roystonearegia	Royal palm	40	Nitrogen fixer, ornamental plant
11	Manikara Zapota	Chikoo	42	Tropical fruit tree & bird attracting tree
12	Neolamarkia cadamba	Kadamba tree	42	Tropical fruit tree & bird attracting tree
13	Pongamia pinnata	karanj	42	Karanj is an important ayurvedic medicine
14	Phyllanthus officinalis	Awala	42	Evergreen medicinal and fruit plant
15	Psidium Guajava	Peru	42	Holy basil is an important medicinal
16	Azadirachta indica	Neem	45	Traditional medicinal Plant
17	Albizia Lebbeck	Shirish	45	Evergreen timber plant, ornamental
45.Total quantity of plants on ground				

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46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	Not applicable	Not applicable	Not applicable

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	22 KW
	DG set as Power back-up during construction phase	50 KVA
	During Operation phase (Connected load):	6408.17 KW
	During Operation phase (Demand load):	3065.27 kw
	Transformer:	630 KVA- 6 no
	DG set as Power back-up during operation phase:	1 NO- 300KVA, 1 No.- 200 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	No

48.Energy saving by non-conventional method:

Total Energy savings (Solar water heating system + Solar PV panels + LED light fittings) units per year.(For renewable/solar) = 24.00%

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Use of CFL lamps for common area (Club House,, Landscape, Children Play, Community Hall, Gym)	24 %

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Not Applicable	Not Applicable	Not Applicable

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	1,28,18,885
	O & M cost:	11,92,756

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Erosion control – dust suppression measures, barricading and top soil preservation	6351875
2	Land	Labour Camp toilets & sanitation	480000
3	Health and Safety	Labour Safety Equipments and training	400000

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4	facility	Disinfection and Health Check-ups	51000
5	Environment Management	Environmental Monitoring cell	170000
6	Environment	Environmental Monitoring	182500

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	2 STP	1,77,70,000	36,02,700
2	Solid Waste Management	1 OWC	3825000	8,87,636
3	Landscaping	Development & maintenance of green area	69,90,118	4,74,964
4	Rain Water Harvesting	14 Recharge pits	7,50,000	60,000
5	Renewable Energy	Solar Hot water	1,28,18,885	11,92,756
6	Environmental Monitoring	-	-	1,85,600

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	The site is located in Wagholi Area. The development will be accessible from 12m wide service road while the internal driveways are 6 m

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Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	25532.64
	Area per car:	12.5
	Area per car:	12.5
	Number of 2-Wheelers as approved by competent authority:	1242
	Number of 4-Wheelers as approved by competent authority:	419
	Public Transport:	NA
	Width of all Internal roads (m):	6.0m wide internal road is provided and 9.0 m. Turning radius will be provided.
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8a (B2)
	Court cases pending if any	No
	Other Relevant Informations	The project area is in a residential zone. Proposed project consists of residential building having 1144 flats and 36 shops
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

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SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	Satisfactory.
Water Budget	Satisfactory.
Waste Water Treatment	Satisfactory.
Drainage pattern of the project	Satisfactory.
Ground water parameters	Satisfactory.
Solid Waste Management	Satisfactory.

Air Quality & Noise Level issues	Satisfactory.
Energy Management	Satisfactory.
Traffic circulation system and risk assessment	Satisfactory.
Landscape Plan	Satisfactory.
Disaster management system and risk assessment	Satisfactory.
Socioeconomic impact assessment	Satisfactory.
Environmental Management Plan	Satisfactory.
Any other issues related to environmental sustainability	Satisfactory.

Brief information of the project by SEAC

PP submitted their application for prior Environmental clearance for total plot area of 58200 m2, FSI area of 91292 m2, Non FSI area of 58917 m2 and total BUA of 148209 m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B2.

DECISION OF SEAC

During discussion following points emerged:

1. In CER, PP has proposed 71 lakh for nalla beautification passing through the project site. This is the job of local authority. Instead of this some other activities beneficial to community like providing electric crematorium shall be undertaken.

2. PP to submit CFO NOC.

*SEAC decided to **recommend** the proposal for prior environmental Clearance, subject to PP complying with the above condition.*

Specific Conditions by SEAC:

1) In CER, PP has proposed 71 lakh for nalla beautification passing through the project site. This is the job of local authority. Instead of this some other activities beneficial to community like providing electric crematorium shall be undertaken.
2) PP to submit CFO NOC.

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FINAL RECOMMENDATION

SEAC-III have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions

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SEAC Meeting number: 88 **Meeting Date** May 28, 2019

Subject: Environment Clearance for AMENDMENT IN ENVIRONMENT CLEARANCE - XRBIA ABODE DEVELOPERS PVT LTD

Is a Violation Case: No

1.Name of Project	Amendment in Environment Clearance for Residential & Commercial Project At S. No. 240, Village - Jambhul, Tal. Maval, Dist. Pune, Maharashtra By M/s. Xrbia Abode Developers Pvt. Ltd.
2.Type of institution	Private
3.Name of Project Proponent	Xrbia Abode Developers Pvt. Ltd. (Formerly known as Miracle Habitats Pvt. Ltd.)
4.Name of Consultant	NA
5.Type of project	Residential + Commercial
6.New project/expansion in existing project/modernization/diversification in existing project	Not applicable
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	S No. 240
9.Taluka	Maval
10.Village	Jambhul
Correspondence Name:	Veer Bharati Kouls
Room Number:	929
Floor:	First
Building Name:	Mantri House
Road/Street Name:	929, FC ROAD
Locality:	FC ROAD
City:	PUNE
11.Area of the project	PMRDA
12.IOD/IOA/Concession/Plan Approval Number	PMRDA Approved Layout
	IOD/IOA/Concession/Plan Approval Number: PMRDA Approved Layout obtained vide ref no. 1346/Jambhul/240(P) dated 14.12.2016
	Approved Built-up Area: 45123.33
13.Note on the initiated work (If applicable)	work initiated as per Environmental Clearance vide letter no. SEAC-III-2014/CR-396/TC-3 dated 3 December 2016
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	33136
16.Deductions	5023
17.Net Plot area	25301
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 35419.1
	b) Non FSI area (sq. m.): 9704.23
	c) Total BUA area (sq. m.): 45123.33
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 35419.1
	Approved Non FSI area (sq. m.): 9704.23
	Date of Approval: 14-12-2016
19.Total ground coverage (m2)	5191.50
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	15.66
21.Estimated cost of the project	1374400000

22.Number of buildings & its configuration

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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A1	P+7	22.95
2	B1	P + 7	22.95
3	B2	G + 4	14.40
4	B3	G + 7	22.95
5	D1	G+7	22.95
6	D2	G+7	22.95
7	C1	G+7	22.95
8	E1	G + 7	22.95
9	F1	G + 7	22.95
10	G1	G + 7	22.95
11	G2	G + 7	22.95
12	Clubhouse	G + 1	22.95

23.Number of tenants and shops	1281 nos. of tenements & 8 nos. of shops
24.Number of expected residents / users	Residential – 6,405 nos. and Commercial -24 nos.
25.Tenant density per hectare	216/ Ha
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	15 m & 12 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	Construction work initiated as per EC received vide no. SEAC-I/CR 277/TC-3 dated 28 January, 2016
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

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Dry season:	**Source of water**	Grampanchayat
	Fresh water (CMD):	578
	Recycled water - Flushing (CMD):	289
	Recycled water - Gardening (CMD):	17
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	884
	Fire fighting - Underground water tank(CMD):	As per Fire NOC
	Fire fighting - Overhead water tank(CMD):	As per Fire NOC
	Excess treated water	431
Wet season:	**Source of water**	Grampanchayat
	Fresh water (CMD):	578
	Recycled water - Flushing (CMD):	289
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	867
	Fire fighting - Underground water tank(CMD):	As per Fire NOC
	Fire fighting - Overhead water tank(CMD):	As per Fire NOC
	Excess treated water	448
Details of Swimming pool (If any)	0	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	15m to 20m bgl
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	7
	Size of recharge pits :	2 m x 2 m x 2 m
	Budgetary allocation (Capital cost) :	1500000
	Budgetary allocation (O & M cost) :	50000
	Details of UGT tanks if any :	1.5 Days Storage for Domestic Water Requirement
35.Storm water drainage	**Natural water drainage pattern:**	Along the Countour
	Quantity of storm water:	7.432 m3/hr
	Size of SWD:	650 mm x 650 mm
Sewage and Waste water	**Sewage generation in KLD:**	737
	STP technology:	FAB
	Capacity of STP (CMD):	2nos. 265 KLD & 472 KLD
	Location & area of the STP:	On Ground
	Budgetary allocation (Capital cost):	6000000
	Budgetary allocation (O & M cost):	200000
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	22,125 m3
	Disposal of the construction waste debris:	Used for backfill & levelling of project site
Waste generation in the operation Phase:	**Dry waste:**	868.87 kg/day
	Wet waste:	2,019.37 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Yes (Will be used as Manure)
	Others if any:	NA

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Mode of Disposal of waste:	**Dry waste:**	Dry garbage will be segregated & disposed off to recyclers.
	Wet waste:	Wet garbage will be treated by using Organic waste converter machine.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be used as Manure
	Others if any:	NA
Area requirement:	**Location(s):**	Near F1
	Area for the storage of waste & other material:	75 sqm
	Area for machinery:	10 sqm
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	1800000
	O & M cost:	200000

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable
41.Source of Fuel		Not applicable		
42.Mode of Transportation of fuel to site		Not applicable		

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43.Green Belt Development	**Total RG area :**	3307
	No of trees to be cut :	0
	Number of trees to be planted :	413
	List of proposed native trees :	As given below
	Timeline for completion of plantation :	6-7 months after 90% completion of construction on site

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Albizzia Lebbek	Shirish	42	Deciduous with medium spread and height. Shade giving tree
2	Artocarpus Heterophyllus	Fanas	04	Deciduous, Large spread and Large height tree. Fruit Tree
3	Azadirachta Indica	Neem/Kadunimb	89	Deciduous, Medium to Large Height, Hardy, Drought resistant tree & Medicinal tree
4	Bauhinia Purpurea	Apta/Rakta Kanchan	15	Evergreen, Flowering medium to Large Spread & Height tree, Butterfly Host Tree
5	Cassia Fistula	Bahava	15	Deciduous, Medium Spread & height Tree, Drought Resistant, Butterfly Host Tree
6	Cassia Siamea	Kassod	17	Evergreen, Medium heighted Tree, Drought resistant, Butterfly Host Tree
7	Emblica Officinalis	Amla/Awala	29	Deciduous, Small Tree, Medicinal Tree
8	Lagerstroemoa Flos Reginae	Tamhan	20	Deciduous, Small to Medium Tree
9	Michelia Champaka	Piwala Chapha	27	Evergreen, Medium Spread & height tree, Butterfly Host tree
10	Milingtonia Hortensis	Booch	39	Evergreen, Medium Spread & height tree
11	Mangifera Indica	Amba/Aam	10	Evergreen, Small to Medium Tree, Fruit tree attract birds & butterflies
12	Mutingia Calabura	Cherry	30	Evergreen, Small, Quick growing tree which attracts birds & butterflies
13	Pterospermum Acerifolium	Muchkund	54	Evergreen, Medium Heighted Tree, Quick growing tree
14	Pongamia Pinnata	Karanj	42	Deciduous, Medium heighted tree, Shade giving tree
15	Saraca Indica	Sita Ashok	55	Evergreen, Medium Tree,m Shade giving tree
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

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Serial Number	Name	C/C Distance	Area m2
1	NA	NA	NA

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	50kw
	DG set as Power back-up during construction phase	62.5KVA
	During Operation phase (Connected load):	2,750 kVA
	During Operation phase (Demand load):	2,182 kVA
	Transformer:	630 x 3 nos., 315 kVA x 1 no.
	DG set as Power back-up during operation phase:	1 no x 250 kVA & 1 no x 200 kVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	No

48.Energy saving by non-conventional method:

Use of LED fixtures, VFD Lifts, Energy Efficient Pumps, Solar Energy

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Use of LED fixtures, VFD Lifts, Energy Efficient Pumps, Solar Energy	17%

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	6000000
	O & M cost:	200000

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water for Dust Suppression	pH, Color, odour, turbidity, TDS, BOD, COD, Oil & grease	1.8

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2	Site Sanitation& Safety	Safety Net, Noise Barrier	2.5
3	Environmental Monitoring	Air, Water, Noise, Stack	0.24
4	Disinfection	Monthly	0.36
5	Health Check up	Safety parameters	2.0

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment plant	2 nos.	60	2
2	Rain Water Harvesting	7 nos. of pits	15	0.50
3	Organic Waste Composting	Composting	18	2
4	Tree Plantation	Landscaping	37	3.5
5	Energy saving	Energy saving Measures	60	2
6	Environment Monitoring	Air, Noise, Water, Soil monitoring from MoEF approved laboratory	MoEF approved laboratory	5
7	Laying of Storm & Sewer line up to final disposal point	-	120	8

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1 No.

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Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	7721.31
	Area per car:	12.50
	Area per car:	12.50
	Number of 2-Wheelers as approved by competent authority:	1627
	Number of 4-Wheelers as approved by competent authority:	45
	Public Transport:	NA
	Width of all Internal roads (m):	12m & 6m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	NA
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

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SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-

Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

PP remained **absent**. The proposal was **deferred.**

DECISION OF SEAC

PP remained **absent**. The proposal was **deferred.**

Specific Conditions by SEAC:

FINAL RECOMMENDATION

Kindly find SEIAA decision above.

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88 SEAC-3 Day 01

SEAC Meeting number: 88 **Meeting Date** May 28, 2019

Subject: Environment Clearance for Environment Clearance for Prior Environmental clearance for proposed residential scheme at wakad by Neev Sai Developers

Is a Violation Case: No

1.Name of Project	Environment Clearance for Prior Environmental clearance for proposed residential scheme at wakad by Neev Sai Developers
2.Type of institution	Private
3.Name of Project Proponent	Neev Sai Developers
4.Name of Consultant	VK Environmental LLP
5.Type of project	Residential and Commercial Development project
6.New project/expansion in existing project/modernization/diversification in existing project	Not applicable
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	S. NO. 108, AT WAKAD, PUNE
9.Taluka	Haveli
10.Village	Wakad
Correspondence Name:	Sachin Basantlal Garg
Room Number:	158A
Floor:	158A
Building Name:	Shiv Chaya Building
Road/Street Name:	Kharalwadi,Pimpri
Locality:	Kharalwadi,Pimpri
City:	Pune
11.Area of the project	PCMC
12.IOD/IOA/Concession/Plan Approval Number	under process
	IOD/IOA/Concession/Plan Approval Number: 00
	Approved Built-up Area: 00
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	8340
16.Deductions	836.16
17.Net Plot area	7503.84
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 15667.54
	b) Non FSI area (sq. m.): 24856.80
	c) Total BUA area (sq. m.): 40524.34
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 00
	Approved Non FSI area (sq. m.): 00
	Date of Approval: 20-04-2019
19.Total ground coverage (m2)	4637.21
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	55.60%
21.Estimated cost of the project	625000000

22.Number of buildings & its configuration

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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Wing A	G+2P+12	44.85
2	Wing B	G+2P+12	44.85

23.Number of tenants and shops	Residential:290 Shops: 20
24.Number of expected residents / users	Residential Tenents :1430 Commercial users: 114
25.Tenant density per hectare	tenets/ ha: 342.9
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	30m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9
29.Existing structure (s) if any	NA
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

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Dry season:	**Source of water**	PCMC
	Fresh water (CMD):	138.06
	Recycled water - Flushing (CMD):	70
	Recycled water - Gardening (CMD):	4.5
	Swimming pool make up (Cum):	2.50
	Total Water Requirement (CMD) :	212.28
	Fire fighting - Underground water tank(CMD):	150
	Fire fighting - Overhead water tank(CMD):	40
	Excess treated water	110.48
Wet season:	**Source of water**	PCMC
	Fresh water (CMD):	138.06
	Recycled water - Flushing (CMD):	70
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	2.50
	Total Water Requirement (CMD) :	207.72
	Fire fighting - Underground water tank(CMD):	150
	Fire fighting - Overhead water tank(CMD):	40
	Excess treated water	115.04
Details of Swimming pool (If any)	On podium Area : 8.5m x 4.8m	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	27bgl
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	3 nos
	Size of recharge pits :	2m x 2m and depth 1.9m below storm water inlet
	Budgetary allocation (Capital cost) :	2.25lacs
	Budgetary allocation (O & M cost) :	25000
	Details of UGT tanks if any :	Total Capacity: 360
35.Storm water drainage	**Natural water drainage pattern:**	the storm water drainage will be designed according to contours. The storm water collected through the storm water drains of adequate Capacity will be led to recharge pits.
	Quantity of storm water:	500.4
	Size of SWD:	450
Sewage and Waste water	**Sewage generation in KLD:**	184.7
	STP technology:	MBBR
	Capacity of STP (CMD):	190
	Location & area of the STP:	Location : on ground, area : 100sqm
	Budgetary allocation (Capital cost):	61 lacs
	Budgetary allocation (O & M cost):	11.4 lacs
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Dry waste (Kg/day): 8 kg/day Wet waste (Kg/day): 12 kg/day =Total waste generated: 20 kg/day
	Disposal of the construction waste debris:	The Construction waste generated during construction shall be segregated, reused on site and surplus shall be led to scrap dealers for recycling
Waste generation in the operation Phase:	**Dry waste:**	304 kg/d
	Wet waste:	441 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	31.5kg/day
	Others if any:	E-waste : 2.5kg/day

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Mode of Disposal of waste:	**Dry waste:**	Will be handed over to SWaCH
	Wet waste:	will be treated in Organic Waste Converter (OWC)
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Dried sludge will use as manure
	Others if any:	NA
Area requirement:	**Location(s):**	On ground
	Area for the storage of waste & other material:	Total area : 12sqm
	Area for machinery:	Total area : 36sqm
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	14.75 lacs
	O & M cost:	3.06 lacs

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

Amount of effluent generation (CMD):	Not applicable
Capacity of the ETP:	Not applicable
Amount of treated effluent recycled :	Not applicable
Amount of water send to the CETP:	Not applicable
Membership of CETP (if require):	Not applicable
Note on ETP technology to be used	Not applicable
Disposal of the ETP sludge	Not applicable

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable

41.Source of Fuel	Not applicable
42.Mode of Transportation of fuel to site	Not applicable

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43.Green Belt Development	**Total RG area :**	750.64
	No of trees to be cut :	0
	Number of trees to be planted :	112
	List of proposed native trees :	Please refer below list
	Timeline for completion of plantation :	Till operation phase

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Bauhinia purpurea	Gulabi kanchan	04	Every part of the plant is medicinal ,Drought tolerant species.
2	Butea monosperma	Palas	04	Medicinal value, Bird attracting species , To control soil erosion.
3	Cassia fistula	Bahawa	04	Medicinal value, Drought tolerant species, Very ornamental, Well flowering plant, Honey bee attracting species, Host plant for Butterfly.
4	Choclospermum religiosum	Sonsawar	04	Medicinal value, Native species
5	Cordia dichotoma	Bhokar	04	Medicinal value, Edible fruits,
6	Dalbergia sissoo	Shisav	04	Medicinal value, Bird attracting species ,
7	Ficus glomerata	Umber	04	Medicinal value, Edible fruits, Bird attracting species
8	Mangifera indica	Mango	04	Edible fruit, Bird attracting species.
9	Saraca indica	Sita-ashok	04	Medicinal value, Religious plant.
10	Syzygium cumini	Jamun	04	Medicinal value, Edible fruit.
11	Dalbergia sissoo	Shisav	08	Medicinal value, Bird attracting species ,
12	Azardirachta indica	Neem	08	Medicinal value, To control soil erosion. To improve soil erosion
13	Bahunia racemosa	Apta	04	Every part of the plant is medicinal, Drought tolerant species.
14	Caryota urens	Fishtail palm	04	Grown in any type of soil. Very Hardy.
15	Erythrina indica	Pangara	08	Fragrant flowers, Drought tolerant species, Birds attracting
16	Putrnjiva roxburghii	Putrnjiva	04	Medicinal value, Drought tolerant species,
17	Murraya exotica	Kamini	08	Native species, Fragrant flowers,
18	Aegle marmelos	Bel	08	Medicinal value, Drought tolerant species,
19	Nyctanthus arbortristis	Parijatak	08	Fragrant flowers, Medicinal value,

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20	Schleichera oleosa	Kusum	08	Native species, Fragrant flowers.
21	Roystonia regia	Bottle palm	04	Ornamental plant, Medicinal value, Birds & bats eat fruits.
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	NA	NA	NA

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	75 KW
	DG set as Power back-up during construction phase	1 Nos. of 200 KVA
	During Operation phase (Connected load):	1406KW
	During Operation phase (Demand load):	770KW
	Transformer:	2 Nos. of 630 KVA
	DG set as Power back-up during operation phase:	1 Nos. of 200 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

1. Solar PV Panels : 20250 KWH / Anum
2. Timer Logic Controller : 63302 KWH / Anum
3. Electronic V3F drive for Lifts : 1089 KWH / Anum
4. Solar Water Heater : 298584 KWH / Anum

Total : 383225 KWH / Anum
Percentage of Saving : 17.64%

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar PV	20250 KWH / day
2	Energy Saving by Solar Hot Water System.	298584 KWH /day

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

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Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	45.63 lacs
	O & M cost:	0.73lacs

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Erosion control – dust suppression measures, barricading and top soil preservation	449003.75
2	Land	Labour Camp toilets & sanitation	4,80,000
3	Health and Safety	Labour Safety Equipments and training	4,00,000
4	facility	Disinfection and Health Check-ups	51,000
5	Environment Management	Environmental Monitoring cell	1,70,000
6	Environment	Environmental Monitoring	1,85,600

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	1 STP	61	11.4
2	Solid Waste Management	1 OWC	14.75	3.06
3	Landscaping	Development & maintenance of green area	12.27	0.71
4	Rain Water Harvesting	3 Recharge pits	2.25	0.25
5	Renewable Energy	Solar Hot water	45.63	0.73
6	Environmental Monitoring	-	-	1.85

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

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	Nos. of the junction to the main road & design of confluence:	Proposed site is located at wakad. The road network within the site has been designed to cater to the traffic loads of the project. Internal driveways are 6 m wide. Existing access road is 24 m wide
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	14683
	Area per car:	Ground = 30sqm Podium 35sqm
	Area per car:	Ground = 30sqm Podium 35sqm
	Number of 2-Wheelers as approved by competent authority:	608
	Number of 4-Wheelers as approved by competent authority:	155
	Public Transport:	NA
	Width of all Internal roads (m):	6.0m wide internal road is provided and 9.0 m. Turning radius will be provided.
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8a building and construction project
	Court cases pending if any	The project area is in a residential zone. Proposed project consists of residential building having flats and shops
	Other Relevant Informations	No
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

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SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	Satisfactory.
Water Budget	Satisfactory.
Waste Water Treatment	Satisfactory.
Drainage pattern of the project	Satisfactory.

Ground water parameters	Satisfactory.
Solid Waste Management	Satisfactory.
Air Quality & Noise Level issues	Satisfactory.
Energy Management	Satisfactory.
Traffic circulation system and risk assessment	Satisfactory.
Landscape Plan	Satisfactory.
Disaster management system and risk assessment	Satisfactory.
Socioeconomic impact assessment	Satisfactory.
Environmental Management Plan	Satisfactory.
Any other issues related to environmental sustainability	Satisfactory.

Brief information of the project by SEAC

PP submitted their application for prior Environmental clearance for total plot area of 8340 m2, FSI area of 15667.54 m2, Non FSI area of 24856.80 m2 and total BUA of 40524.34 m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B2.

DECISION OF SEAC

During discussion following points emerged:

1. PP to submit undertaking regarding sustainable water supply for the project.

*SEAC decided to **recommend** the proposal for prior environmental Clearance, subject to PP complying with the above condition.*

Specific Conditions by SEAC:

1) PP to submit undertaking regarding sustainable water supply for the project.

FINAL RECOMMENDATION

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SEAC-III have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions

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88 SEAC-3 Day 01

SEAC Meeting number: 88 **Meeting Date** May 28, 2019

Subject: Environment Clearance for Proposed Commercial project at S.No.12, Hissa No.1/1+1/2/A at Kharadi by M/s Nyati Landmark Projects LLP.

Is a Violation Case: No

1.Name of Project	Proposed Commercial project at S.No.12, Hissa No.1/1+1/2/A at Kharadi by M/s Nyati Landmark Projects LLP.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Piyush Nyati
4.Name of Consultant	Vke environmental LLP, Pune
5.Type of project	Commercial Project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	S.No.12, Hissa No.1/1+1/2/A, Kharadi, Pune
9.Taluka	Haveli
10.Village	Kharadi
Correspondence Name:	Mr. Piyush Nyati
Room Number:	S.No. 103, Plot No. 129
Floor:	5th Floor
Building Name:	Nyati Unitree
Road/Street Name:	Pune Nagar Road
Locality:	Yerawada – Pune 411006
City:	Pune
11.Area of the project	PMC
12.IOD/IOA/Concession/Plan Approval Number	Under process
	IOD/IOA/Concession/Plan Approval Number: 00
	Approved Built-up Area: 00
13.Note on the initiated work (If applicable)	Not Applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	27,100.00
16.Deductions	6,689.49
17.Net Plot area	20,410.51
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 60958.66
	b) Non FSI area (sq. m.): 59554.00
	c) Total BUA area (sq. m.): 120512.66
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 00
	Approved Non FSI area (sq. m.): 00
	Date of Approval: 27-02-2019
19.Total ground coverage (m2)	10,389.50
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	50.9%
21.Estimated cost of the project	3534200000.00

22.Number of buildings & its configuration

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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Block A	Basement-1,2+ Lower ground +Ground+12 Floors	49.95
2	Block B (Theatre block)	Basement 1,2 + Lower Ground+ Ground+1 floor(double height)	16.20
3	Block C	Basement-1, 2+Lower Ground+Ground+12 Floors	49.95

23.Number of tenants and shops	Shops: 89 No Offices: 112 No Restaurants: 13 No Cinema hall Food court
24.Number of expected residents / users	Shops : 2737 Offices: 4529 Restaurants/Food Court:2174 Cinema: 1406 Maintenance staff : 200 Total Population : 11046
25.Tenant density per hectare	Not Applicable
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	30 m Nearest fire station: Paramount Fire station, 1.5 Km
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	For easy access of fire tender 9m turning radius will be provided
29.Existing structure (s) if any	Not Applicable
30.Details of the demolition with disposal (If applicable)	Not Applicable

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

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Dry season:	**Source of water**	PMC
	Fresh water (CMD):	158
	Recycled water - Flushing (CMD):	182
	Recycled water - Gardening (CMD):	24
	Swimming pool make up (Cum):	00
	Total Water Requirement (CMD) :	364
	Fire fighting - Underground water tank(CMD):	400
	Fire fighting - Overhead water tank(CMD):	20
	Excess treated water	48
Wet season:	**Source of water**	PMC
	Fresh water (CMD):	158
	Recycled water - Flushing (CMD):	182
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	00
	Total Water Requirement (CMD) :	340
	Fire fighting - Underground water tank(CMD):	400
	Fire fighting - Overhead water tank(CMD):	20
	Excess treated water	72
Details of Swimming pool (If any)	Not Applicable	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	9-10 m BGL
	Size and no of RWH tank(s) and Quantity:	Not Applicable
	Location of the RWH tank(s):	Not Applicable
	Quantity of recharge pits:	9 no. of recharge pits
	Size of recharge pits :	1.5 m x 1.5 m x 2.5 m
	Budgetary allocation (Capital cost) :	Rs. 19,80,000/-
	Budgetary allocation (O & M cost) :	Rs. 39,600 /-
	Details of UGT tanks if any :	Fire Fighting Tank- 400,000 lit Raw Water tank-79,000 lit Domestic Tank-158,000 lit Flushing Water tank- 182,000 lit
35.Storm water drainage	**Natural water drainage pattern:**	The storm water collected through the storm water drains of adequate capacity will be led to recharge pits. Surplus shall be discharged into proposed storm water drainage.
	Quantity of storm water:	121.23 m3/day
	Size of SWD:	400 mm
Sewage and Waste water	**Sewage generation in KLD:**	283
	STP technology:	MBBR
	Capacity of STP (CMD):	285
	Location & area of the STP:	On ground & 150 Sq.mtr.
	Budgetary allocation (Capital cost):	Rs. 79,00,000/-
	Budgetary allocation (O & M cost):	Rs. 07,00,000/-
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Dry waste (Kg/day): 8 kg/day Wet waste (Kg/day): 12 kg/day =Total waste generated: 20 kg/day
	Disposal of the construction waste debris:	Construction Waste generated during construction phase will be segregated, reused on site and surplus shall be given to scrap dealers for recycling.
Waste generation in the operation Phase:	**Dry waste:**	628 kg/day
	Wet waste:	419.20 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	95 kg /day
	Others if any:	E-waste : 23.49 kg/day

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Mode of Disposal of waste:	**Dry waste:**	Will be handed over to SWaCH
	Wet waste:	Will be treated in onsite OWC
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Dried sludge from STP will be used as manure.
	Others if any:	E-waste will be sent to authorized recycler.
Area requirement:	**Location(s):**	On ground
	Area for the storage of waste & other material:	21 sq.mt.
	Area for machinery:	35 sq.mt.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 14,07,840/-
	O & M cost:	Rs. 1,35,000/-

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable
41.Source of Fuel		Not applicable		
42.Mode of Transportation of fuel to site		Not applicable		

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43.Green Belt Development	**Total RG area :**	2415.44 Sq.mt.
	No of trees to be cut :	00
	Number of trees to be planted :	260
	List of proposed native trees :	Refer Below list:
	Timeline for completion of plantation :	The end of construction phase

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Acrus sapota	Chikku	15	Fruit bearing tree, attracts birds
2	Anthocephallus kadamba	Kadamb	18	Shady, large tree, ball shaped flowers
3	Albezzia lebbeck	Shirish	17	Quick growing,hardy, good soil binder drought tolerant
4	Azadirachta indica	Neem	18	Good for restoration of dryer parts, good for air purifier and have medicinal properties
5	Bauhinia purpurea	Raktakanchan	18	Deciduous, drought resistant, grows in less soil
6	Bauhinia racemosa	Aapta	18	Drought resistant, good air purifier and have
7	Cordia	Cordia	17	Fragrant flowers
8	Erythrina variegata	Pangara	17	Quick growing ,flowering tree, a nitrogen fixing tree
9	Lagerstromia flos-regineae	Tamhan	18	Good as a avenue tree, good for ground planting around water gardens and ponds.
10	Michelia champaca	Son Chafa	22	Good for ornamental purpose.
11	Magnifera indica	Mango	15	Fruit bearing trees , attracts birds
12	Murraya Paniculata	Kunti	17	Blooms throughout the year, flowers with excellent fragrance
13	Nyctanthes arbor-tristis	Prajakta	17	Fragrant Flowers
14	Syzygium cumnini	Jambhul	15	Fruit bearing trees , attracts birds
15	Saraca indica	Sita Ashok	18	Evergreen tree with rounded crown, hardy tree
45.Total quantity of plants on ground				

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46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	NA	NA	NA

47.Energy

Power requirement:	**Source of power supply :**	Maharashtra State Electricity Distribution Company Limited (M.S.E.D.C.L.)
	During Construction Phase: (Demand Load)	70 kW
	DG set as Power back-up during construction phase	100 kVA
	During Operation phase (Connected load):	9276 KW
	During Operation phase (Demand load):	6305 KW
	Transformer:	7nos. of transformers will be provided: i)22 KV/1250 KVA -4 Nos. ii) 22 KV/1000KVA – 1 No. iii) 22KV/630KVA – 1 No. iv) 22KV/315 KVA – 1 No.
	DG set as Power back-up during operation phase:	No. of DG sets provided are mentioned below: a) 1250 KVA – 4 Nos. b) 1000 KVA – 1 Nos. c) 320 KVA - 3 Nos.
	Fuel used:	LSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Total Energy Saving : i.e. (% Savings) /year: 15.5 %

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	LED Lamp & Fitting For Common Areas i.e. Bldg. Parking, Staircase, Passage & Terrace Floor.	133.94
2	Bollard Lighter - Light Fitting For Landscape Area.	7.49
3	UP Lighter. - Light Fitting For Landscape Area.	7.39
4	Solar Street Light Fitting - Pole Light On Road Side.	30.41
5	Street Light on the Bldg .	29.2

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 83,20,000/-
	O & M cost:	Rs. 4,16,000/-

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Erosion control – dust suppression measures, barricading and top soil preservation	20.88

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2	Land	Labour Camp toilets & sanitation	4.80
3	Health and Safety	Labour Safety Equipments and training	4.00
4	Health & Safety	Disinfection and Health Check-ups	0.51
5	Environment Management	Environmental Monitoring	1.85
6	Environment Management	Environment Management Cell	1.75

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	1 STP	79.00	7.00
2	Solid Waste Management	1 OWC	14.07	1.35
3	Landscaping	Development and Maintenance	24.27	5.50
4	Rain Water Harvesting	Recharge Pits	19.80	0.39
5	Energy Saving Measures	Energy Saving Measures	83.20	4.16
6	Environmental monitoring	Environmental monitoring	--	1.85

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Proposed site is located at Kharadi. The road network within the site has been designed to cater to the traffic loads of the project

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Parking details:	**Number and area of basement:**	02 Nos. Area – 32624.68 Sq.m
	Number and area of podia:	NA
	Total Parking area:	28565.00 Sq.mt.
	Area per car:	12.50 Sq.mt.
	Area per car:	12.50 Sq.mt.
	Number of 2-Wheelers as approved by competent authority:	3705 Nos.
	Number of 4-Wheelers as approved by competent authority:	1578 Nos.
	Public Transport:	Yes
	Width of all Internal roads (m):	6.0 m wide drive way is provided and 9.0 m turning radius will be provided.
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8a building and construction project
	Court cases pending if any	NA
	Other Relevant Informations	Proposed project is Commercial Project at Kharadi.
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	Satisfactory.
Water Budget	Satisfactory.
Waste Water Treatment	Satisfactory.
Drainage pattern of the project	Satisfactory.
Ground water parameters	Satisfactory.
Solid Waste Management	Satisfactory.

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Air Quality & Noise Level issues	Satisfactory.
Energy Management	Satisfactory.
Traffic circulation system and risk assessment	Satisfactory.
Landscape Plan	Satisfactory.
Disaster management system and risk assessment	Satisfactory.
Socioeconomic impact assessment	Satisfactory.
Environmental Management Plan	Satisfactory.
Any other issues related to environmental sustainability	Satisfactory.

Brief information of the project by SEAC

PP submitted their application for prior Environmental clearance for total plot area of 27,100 m2, FSI area of 60958.66 m2, Non FSI area of 59554 m2 and total BUA of 120512.66 m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B2.

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DECISION OF SEAC

During discussion following points emerged:

1. PP to submit CFO NOC.

*SEAC decided to **recommend** the proposal for prior environmental Clearance, subject to PP complying with the above condition.*

Specific Conditions by SEAC:

1) PP to submit CFO NOC.

FINAL RECOMMENDATION

SEAC-III have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions

88 SEAC-3 Day 01

SEAC Meeting number: 88 **Meeting Date** May 28, 2019

Subject: Environment Clearance for Proposed Commercial Project at S.No. 198, H.No, 2/1 + 2/2, Plot 2, Lohegaon, Pune by M/s Nyshaa Builders LLP

Is a Violation Case: No

1.Name of Project	Proposed Commercial Project at S.No. 198, H.No, 2/1 + 2/2, Plot 2, Lohegaon, Pune by M/s Nyshaa Builders LLP
2.Type of institution	Private
3.Name of Project Proponent	Mr. Dinesh Shroff
4.Name of Consultant	Vke environmental LLP, Pune.
5.Type of project	Commercial project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	S.No. 198 H.No, 2/1 + 2/2, Plot 2
9.Taluka	Haveli
10.Village	Lohegaon
Correspondence Name:	Mr. Dinesh Shroff
Room Number:	S.No. 103, Plot No. 129
Floor:	5th Floor
Building Name:	Nyati Unitree
Road/Street Name:	Nagar Road
Locality:	Yerwada
City:	Pune
11.Area of the project	PMC
12.IOD/IOA/Concession/Plan Approval Number	Received
	IOD/IOA/Concession/Plan Approval Number: CC/3796/18, dated 02/03/2019
	Approved Built-up Area: 30599.65
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	10207.78
16.Deductions	1417.94
17.Net Plot area	8789.84
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 30599.65
	b) Non FSI area (sq. m.): 36686.47
	c) Total BUA area (sq. m.): 67286.12
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 30599.65
	Approved Non FSI area (sq. m.): 36686.47
	Date of Approval: 02-03-2019
19.Total ground coverage (m2)	4811.15
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	54.73 %
21.Estimated cost of the project	1156400000.00

22.Number of buildings & its configuration

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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Wing A	2B+GR+1ST FLR+2ND FLR+ 3 PODIUM PARKING+ 8 FLR (3FLR to 10 FLR)	49.95
2	Wing B	2B+GR+1ST FLR+2ND FLR+ 3 PODIUM PARKING+ 8 FLR(3FLR to 10 FLR)	49.95

23.Number of tenants and shops	Shops: 74 No Offices: 252 No
24.Number of expected residents / users	Shops: 1116 (including visitors), Offices: 3118 (including visitors), Total commercial users: 4234
25.Tenant density per hectare	NA
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	30m access road. Nearest fire station: Yerawada Fire station, 4.45 Km
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9m
29.Existing structure (s) if any	Existing Shed
30.Details of the demolition with disposal (If applicable)	Demolition & disposal will be done as per prevailing norms.

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

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Dry season:	**Source of water**	PMC
	Fresh water (CMD):	82
	Recycled water - Flushing (CMD):	73
	Recycled water - Gardening (CMD):	6
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	161
	Fire fighting - Underground water tank(CMD):	400
	Fire fighting - Overhead water tank(CMD):	20
	Excess treated water	49
Wet season:	**Source of water**	PMC
	Fresh water (CMD):	82
	Recycled water - Flushing (CMD):	73
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	155
	Fire fighting - Underground water tank(CMD):	400
	Fire fighting - Overhead water tank(CMD):	20
	Excess treated water	55
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	18 -20 m BGL
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	6 no. of recharge pits
	Size of recharge pits :	1.5 x 1.5 x 2 m
	Budgetary allocation (Capital cost) :	Rs. 11,40,000/-
	Budgetary allocation (O & M cost) :	Rs. 34,200 /-
	Details of UGT tanks if any :	Fire Fighting Tank- 400,000 lit Raw Water tank-41,000 lit Domestic Tank-123,000 lit Flushing Water tank- 114,380 lit
35.Storm water drainage	**Natural water drainage pattern:**	The storm water collected through the storm water drains of adequate capacity will be led to recharge pits. Surplus shall be discharged into proposed storm water drainage.
	Quantity of storm water:	111.55 m3/day
	Size of SWD:	600 mm x 600mm
Sewage and Waste water	**Sewage generation in KLD:**	142
	STP technology:	MBBR
	Capacity of STP (CMD):	145
	Location & area of the STP:	On ground & 70 Sq.mtr.
	Budgetary allocation (Capital cost):	Rs. 53,00,000/-
	Budgetary allocation (O & M cost):	Rs. 4,50,000/-
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Dry waste (Kg/day): 8 kg/day Wet waste (Kg/day): 12 kg/day =Total waste generated: 20 kg/day
	Disposal of the construction waste debris:	Construction Waste generated during construction phase will be segregated, reused on site and surplus shall be given to scrap dealers for recycling.
Waste generation in the operation Phase:	**Dry waste:**	339 kg/day
	Wet waste:	508 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	50 kg/day
	Others if any:	E-waste – 4234 kg/year

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Mode of Disposal of waste:	**Dry waste:**	Will be handed over to SWaCH
	Wet waste:	Will be treated in onsite OWC
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Dried sludge will use as manure
	Others if any:	E-waste will be handed over to authorized vendors
Area requirement:	**Location(s):**	On ground
	Area for the storage of waste & other material:	27.45 Sq.m
	Area for machinery:	11.42 Sq,m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 14,95,200/-
	O & M cost:	Rs. 2,74,680/-

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable
41.Source of Fuel		Not applicable		
42.Mode of Transportation of fuel to site		Not applicable		

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43.Green Belt Development	**Total RG area :**	1007 sq. m.
	No of trees to be cut :	14
	Number of trees to be planted :	279
	List of proposed native trees :	Given below
	Timeline for completion of plantation :	Till the end of construction phase

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Acrus sapota	Chikku	10	Fruit bearing tree, attracts birds
2	Carica papaya	Papaya	10	Fruit bearing tree
3	Murraya paniculata	Kunti	10	Blooms throughoutthe year, flowers with excellent fragrance
4	Annona reticulata	Ramphal	10	Fruit bearing tree
5	Bauhinia racemosa	Aapta	11	Drought resistant, good air purifier and have medicinal properties
6	Azadirachta indica	Neem	11	Medicinal properties, quickly growing, good air purifier
7	Pongamia pinnata	Karanj	11	Its larvalhost for butterflies, nitrogen fixing plants
8	Acrusphyllanthus emblica sapota	Amla	11	Medicinal properties
9	Bauhinia purpurea	Kanchana	11	Grows in less soli, drought resistant
10	Magnifera indica	Mango	10	Fruit bearing trees , attracts birds
11	Khaya grandis	Khaya	10	Fruit bearing tree, shady , decidious
12	Nyctanthes arbor-tristis	Prajakta	10	Fragrant Flowers
13	Syzygium cumnini	Jam/ Jambhul	10	Fruit bearing trees , attracts birds
14	Ailanthus excelsa	Maharukh	10	Deciduous, quick growing, shady
15	Arthocarpus heterophyllus	Phanus	10	Fruit bearing tree
16	Psidium gujava	Peru	11	Fruit bearing tree, attracts birds
17	Butea monosperma	Palas	11	Used in forestation of saline and water logged regions
18	Tectona grandis	Saag	10	Deciduous , flowering tree
19	Mutingia calabura	Singapore cherry	10	Fast growing, medium size, fruit bearing, attracts birds
20	Saraca indica	Sita ashok	10	Evergreen tree with rounded crown, hardy tree
21	Anthocephallus cadamba	Kadamba	10	Shady, large tree, ball shaped flowers
22	Grewia tiliaefolia	Dhaman	10	Deciduous, drought resistent

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23	Cassia fistula	Bahava	10	Medium sized deciduous tree grows in less soil
24	Lagerstromia flos reginae	Iagerstromia	10	Medium sized, grows in dry / arid climate
25	Michelia champaca	Son chafa	10	Medium sized evergreen tree, fragrant yellow flowers
26	Albezzia lebbeck	Shirish	11	Quickly growing, hardy, good soil binder, drought resistent
27	Cordia	Cordia	11	Fragrent flowers
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	Threvetia nerifolia	0.9 mc/c	203.31 sq.m
2	Stachytarpheta	0.45 m c/c	67.77 sq.m
3	Plumbago zeylanica	0.45 m c/c	67.77 sq.m
4	Acorus calamus	0.30 mc/c	33.88 sq.m
5	Aloe vera	0.30 mc/c	33.88 sq.m
6	Ocimum sanctum	0.30 mc/c	33.88 sq.m
7	Nerium oleander	0.75 m c/c	135.54 sq.m
8	Hibiscus rosa sinensis	0.60m c/c	101.65 sq.m

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	30 kW
	DG set as Power back-up during construction phase	40 KVA – 1 No.
	During Operation phase (Connected load):	4969 KW
	During Operation phase (Demand load):	3362 KW
	Transformer:	6 no. of transformers: 22KV / 630 KVA
	DG set as Power back-up during operation phase:	3 no. of DG sets provided are mentioned below: 1) 500 KVA - 2 Nos. 2) 250 KVA – 1 No
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Total Energy Saving : i.e. (% Savings) /year: 44.56 %
Energy Saving per day: 13.5 %

49.Detail calculations & % of saving:

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Serial Number	Energy Conservation Measures	Saving %
1	LED Lamp & Fitting For Common Areas i.e. Bldg. Parking, Staircase, Passage & Terrace Floor.	22.39
2	Up Lights - Light Fitting For Landscape Area.	1.36
3	Bollard Lighter - Light Fitting For Landscape Area.	1.02
4	Solar Street Light Fitting - Pole Light On Road Side.	5.47
5	Street Light on the Bldg.	5.84

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 44,00,000/-
	O & M cost:	Rs. 2,20,000/-

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Erosion control – dust suppression measures, barricading and top soil preservation	6.74
2	Land	Labour Camp toilets & sanitation	4.80
3	Health and Safety	Labour Safety Equipments and training	4.00
4	Health and Safety	Disinfection and Health Check-ups	0.66
5	Environment Management	Environmental Monitoring cell	1.70
6	Environment Management	Environmental Monitoring	1.85

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	1 STP	53.00	4.50
2	Solid Waste Management	1 OWC	14.95	2.74
3	Landscaping	Development & maintenance of green area	5.90	1.30
4	Rain Water Harvesting	Recharge pits	11.40	0.34
5	Energy Saving	Energy Saving	44.00	2.20
6	Environmental Monitoring	-	-	1.82

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51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Proposed site is located at Lohegaon. The road network within the site has been designed to cater to the traffic loads of the project
Parking details:	**Number and area of basement:**	02 Nos. Area – 10810.68 Sq. Mt.
	Number and area of podia:	3 No. Area- 12472.63 Sq. Mt.
	Total Parking area:	24104.05 Sq.m
	Area per car:	12.50 Sq.m
	Area per car:	12.50 Sq.m
	Number of 2-Wheelers as approved by competent authority:	1730 Nos.
	Number of 4-Wheelers as approved by competent authority:	657 Nos.
	Public Transport:	Yes
	Width of all Internal roads (m):	6.0 m wide drive way is provided and 9.0 m turning radius will be provided.
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8a building and construction project
	Court cases pending if any	-
	Other Relevant Informations	NA

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	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	Satisfactory.
Water Budget	Satisfactory.
Waste Water Treatment	Satisfactory.
Drainage pattern of the project	Satisfactory.
Ground water parameters	Satisfactory.
Solid Waste Management	Satisfactory.
Air Quality & Noise Level issues	Satisfactory.
Energy Management	Satisfactory.
Traffic circulation system and risk assessment	Satisfactory.
Landscape Plan	Satisfactory.
Disaster management system and risk assessment	Satisfactory.
Socioeconomic impact assessment	Satisfactory.
Environmental Management Plan	Satisfactory.
Any other issues related to environmental sustainability	Satisfactory.

Brief information of the project by SEAC

SEAC-AGENDA-0000000270

PP submitted their application for prior Environmental clearance for total plot area of 10207.78 m2, FSI area of 30599.65 m2, Non FSI area of 36686.47 m2 and total BUA of 67286.12 m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B2.

DECISION OF SEAC

*SEAC decided to **recommend** the proposal for prior environmental Clearance.*

Specific Conditions by SEAC:

FINAL RECOMMENDATION

SEAC-III have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions

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SEAC Meeting number: 88 **Meeting Date** May 28, 2019

Subject: Environment Clearance for Proposed Expansion of Commercial Project

Is a Violation Case: No

1.Name of Project	ABIL PROMENADE
2.Type of institution	Private
3.Name of Project Proponent	Mr. Nikhil Gokhale
4.Name of Consultant	Mr. Rajesh Srivastava - Pollution and Ecology Control Services (PECS)
5.Type of project	Commercial
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes, EC - SEAC-2009/Anuttam/CR.1475/TC.1 dated 22/06/2010 and revalidated vide No. SEIAA-2019/CR-48/SEIAA dated 12/03/2019
8.Location of the project	S. No. 37, H. No. 4/2, Ghorpadi, Pune
9.Taluka	Haveli
10.Village	Koregaon, Pune
Correspondence Name:	Mr. Nikhil Gokhale
Room Number:	-
Floor:	2nd Floor
Building Name:	ABIL House
Road/Street Name:	Ganesh Khind Road
Locality:	Range Hills Corner,
City:	Pune
11.Area of the project	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Pune Municipal Corporation
	IOD/IOA/Concession/Plan Approval Number: Applied
	Approved Built-up Area: 132173.73
13.Note on the initiated work (If applicable)	Construction of Block A having 3 Basement, Ground & 3 Upper Floors & Block B having 3 Basement, Ground & 2 Upper floors is completed.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	24500
16.Deductions	656.34
17.Net Plot area	23843.66
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 51152.37
	b) Non FSI area (sq. m.): 81021.36
	c) Total BUA area (sq. m.): 132173.73
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 51152.37
	Approved Non FSI area (sq. m.): 81021.36
	Date of Approval: 31-03-2019
19.Total ground coverage (m2)	7070.19
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	30%
21.Estimated cost of the project	5000000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)

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1	Block A	3 Basement+Ground+3 Floors	24.70
2	Block B	3 Basement+Ground+2Floors	18.70
3	Block C	3 Basement+Ground+15 Floors	69.70

23.Number of tenants and shops	Mall, Multiplex & Office
24.Number of expected residents / users	12844 Nos
25.Tenant density per hectare	NA
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	18 Mtr
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 Mtr
29.Existing structure (s) if any	Bloack A & B Completed
30.Details of the demolition with disposal (If applicable)	No

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

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Dry season:	Source of water	PMC
	Fresh water (CMD):	274
	Recycled water - Flushing (CMD):	206
	Recycled water - Gardening (CMD):	10
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	754
	Fire fighting - Underground water tank(CMD):	400
	Fire fighting - Overhead water tank(CMD):	20
	Excess treated water	166
Wet season:	Source of water	PMC
	Fresh water (CMD):	274
	Recycled water - Flushing (CMD):	206
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	744
	Fire fighting - Underground water tank(CMD):	400
	Fire fighting - Overhead water tank(CMD):	20
	Excess treated water	176
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	As per Hydro geo Report
	Size and no of RWH tank(s) and Quantity:	2 nos , Size - 7.5M X 4.5M X 3 M
	Location of the RWH tank(s):	As shown on plan
	Quantity of recharge pits:	5 Nos
	Size of recharge pits :	2X2X2 Mtr
	Budgetary allocation (Capital cost) :	5 Lacks
	Budgetary allocation (O & M cost) :	0.25 Lacks/Year
	Details of UGT tanks if any :	RAW WATER TANK 206 CMD DOMESTIC TANK 411 CMD
35.Storm water drainage	**Natural water drainage pattern:**	Towords South to North
	Quantity of storm water:	180 m3/day
	Size of SWD:	450 mm
Sewage and Waste water	**Sewage generation in KLD:**	425
	STP technology:	MBBR
	Capacity of STP (CMD):	460 KLD
	Location & area of the STP:	As shown on plan
	Budgetary allocation (Capital cost):	50 Lacks
	Budgetary allocation (O & M cost):	12 Lacks/Year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	5 Kg/Day
	Disposal of the construction waste debris:	Will be used for base course preparation.
Waste generation in the operation Phase:	**Dry waste:**	1284 Kg/Day
	Wet waste:	683 Kg/Day
	Hazardous waste:	N.A
	Biomedical waste (If applicable):	N.A
	STP Sludge (Dry sludge):	30 Kg/Day
	Others if any:	E Waste of Approx 500Kg/Year

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Mode of Disposal of waste:	**Dry waste:**	Handed over to Authorized Agency
	Wet waste:	In-situ Composting
	Hazardous waste:	N.A
	Biomedical waste (If applicable):	N.A
	STP Sludge (Dry sludge):	Will be used as Manure for Gardening
	Others if any:	E Waste will be Handed over to Authorized Agency
Area requirement:	**Location(s):**	Shown on Plan
	Area for the storage of waste & other material:	Shown on Plan
	Area for machinery:	Shown on Plan
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	16 Lacks
	O & M cost:	2.5 Lacks/Year

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

Amount of effluent generation (CMD):	Not applicable
Capacity of the ETP:	Not applicable
Amount of treated effluent recycled :	Not applicable
Amount of water send to the CETP:	Not applicable
Membership of CETP (if require):	Not applicable
Note on ETP technology to be used	Not applicable
Disposal of the ETP sludge	Not applicable

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable

41.Source of Fuel	Not applicable
42.Mode of Transportation of fuel to site	Not applicable

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43.Green Belt Development	**Total RG area :**	2389.39 Sqm
	No of trees to be cut :	NIL
	Number of trees to be planted :	130 Nos
	List of proposed native trees :	Attached
	Timeline for completion of plantation :	Already Planted

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	NEEM	Azadirachta Indica	8	FRAGRANT FLOWERS OR LEAVES, PLANT FOR POOJA/EVERGREEN, QUICK GROVING/INSECT REPELLENT
2	BAHAVA	Cassia Fistula	7	AUSPICIOUS, ATTRACTS BIRDS/BEES/BUTTERFILES, HANGING OR WEEPING GROWTH
3	KADAMB	Neolamarckia Cadamba	9	FRAGRANT FLOWERS OR LEAVES, ATTRACTS BUTTERFLIES/BEES, QUICK GROVING/CREATES SHADE
4	MANGO	Mangifera Indica	12	FRUIT PLANT, FRAGRANT FLOWERS OR LEAVES, ATTRACTS BIRDS/BUTTERFLIES/BEES
5	TAMAN	Lagerstromia Speciosa	9	CREATES SHADE, ATTRACTS BIRDS/BUTTERFLIES/BEES, GOOD FOR SCREENING
6	PIVALA CHAFA	Michelia Champaka	7	FRAGRANT FLOWERS OR LEAVES, ATTRACTS BIRDS/BUTTERFLIES/BEES, EVERGREEN TREE
7	RAKT KANCHAN	Bauhinia Pururea	8	FRAGRANT FLOWERS OR LEAVES, PLANT FOR POOJA, EVERGREEN TREE
8	JAMUN	Syzygium Cumini	12	FRUIT PLANT, FRAGRANT FLOWERS OR LEAVES, ATTRACTS BIRDS/BUTTERFLIES/BEES
9	CHAFA	Plumeria ALba	3	FRAGRANT FLOWERS OR LEAVES, ATTRACTS BIRDS/BUTTERFLIES/BEES, QUICK GROVING/FOR POOJA
10	BUCH	Millingtonia Hortensis	11	FRAGRANT FLOWERS OR LEAVES, PLANT FOR POOJA, EVERGREEN TREE
11	SHIRISH	Albizia Lebbeck	12	FRAGRANT FLOWERS OR LEAVES, ATTRACTS BIRDS/BUTTERFLIES/BEES, DROUGHT TOLERANT

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12	INDIAN BEECH TREE	Pongamia Pinnata	8	FRAGRANT FLOWERS OR LEAVES, ATTRACTS BIRDS/BUTTERFLIES/BEES, DROUGHT TOLERANT
13	JACKFRUIT	Artocarpus Heterophyllus	6	FRUIT PLANT, FRAGRANT FLOWERS OR LEAVES, ATTRACTS BIRDS/BUTTERFLIES/BEES
14	BAKUL	Mimusops Elengi	10	FRAGRANT FLOWERS OR LEAVES, ATTRACTS BIRDS/BEES, EVERGREEN TREE/CREATES SHADE
15	BEL	Aegle Marmelos	8	FRUIT PLANT/MEDICINAL PLANT, FRAGRANT FLOWERS OR LEAVES, PLANT FOR PUJA OR PRAYER FLOWER OR LEAVES
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	NA	NA	NA

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	75 KW
	DG set as Power back-up during construction phase	NIL
	During Operation phase (Connected load):	9320 kW
	During Operation phase (Demand load):	5657 KW
	Transformer:	1 Nos 1600kVA, 3 Nos 2500kVA
	DG set as Power back-up during operation phase:	4X1500kVA, 1X650kVA,1X750kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Solar PV

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %

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1	1)Use of LED Light fixture instead of CFL light fixture. 2)Use of 60% of solar street light fittings with LED light fixture. 3) Use of VFD drives for Lift motors. 4) Use of Energy Efficient Motors for Plumbing & Fire Load. 5)Use of Timer for Street & Landscape Lighting.	22.85%

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	52.37 Lacks
	O & M cost:	0.52 Lacks/Year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water for Construction & for labour	Water Requirement	2.5
2	Site Sanitation & Safety	Health & Safety	15
3	Environmental Monitoring	Pollution Monitoring & Control	6
4	Disinfection	Health & Safety	4
5	Health Check-Up	Health & Safety	3
6	Safety and PPE safety personal protective equipment	Health & Safety	3
7	Safety Nets & Barrication	Health & Safety	8

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Rain Water Harvesting	RWH Pits	5.00	0.25
2	Sewage Treatment Plant	Waste Water Management	50.00	12.00
3	Organic Waste Composting	Solid Waste Management	16.00	2.50
4	Tree Plantation	Landscape Development	5.00	3.00
5	Energy Saving	Energy Conservation	52.37	0.52
6	Environmental Monitoring	Pollution Control	0.00	6.00

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

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Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	0
Parking details:	**Number and area of basement:**	3 Basement 54681.21 Sqm
	Number and area of podia:	NA
	Total Parking area:	52829.38 Sqm
	Area per car:	12.5 Sqm
	Area per car:	12.5 Sqm
	Number of 2-Wheelers as approved by competent authority:	3923
	Number of 4-Wheelers as approved by competent authority:	1382
	Public Transport:	The site is well connected to the public transport infrastructure.
	Width of all Internal roads (m):	NA
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	Category B
	Court cases pending if any	No
	Other Relevant Informations	HVAC Make -up Water (Cum) 264 CMD

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	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-
Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

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Brief information of the project by SEAC

PP submitted their application for prior Environmental clearance for total plot area of 24500 m2, FSI area of 51152.37 m2, Non FSI area of 81021.36 m2 and total BUA of 132173.73 m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B2.

DECISION OF SEAC

During discussion following points emerged:

1. PP to submit fire drive way cross sections with dimensions indicating clear drive way width and service areas.

2. PP to submit parking layout for all the floors indicating ramp width as per DCR. PP to submit copy of approved plan allowing stack parking.

3. PP to submit parking statement showing total number of parking required and proposed as per DCR with area per car as per norms. No dependent parking shall be provided.

4. Assumptions made in Traffic Impact studies report for projection of traffic volume in 2025 shall be clearly state and the basis on which the same has been assumed. Traffic growth rate in the vicinity based on similar other projects nearby may also be included and V/C ration worked out comparatively for present and future shall be indicated to quantify the impact.

5. PP to submit phase wise programme for proposed construction with mitigation measures taken to avoid inconvenience to existing / nearby occupants.

6. PP to submit details of recharge pit and UGT sections.

7. PP to submit six monthly report.

8. PP to submit supporting document pertaining to change of name.

9. PP to submit details of STP.

10. PP to submit carbon foot print report.

11. PP to submit following NOCs : (a) water supply, (b) solid waste management. (c) CFO

12. PP to submit survival report of existing trees.

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*PP requested for time to submit the information sought; after deliberations committee asked PP to **comply with** the observations and submit information to the committee for further discussion and consideration of SEAC.*

Specific Conditions by SEAC:

FINAL RECOMMENDATION

SEAC-III decided to defer the proposal.Kindly find SEAC decision above.

88 SEAC-3 Day 02

SEAC Meeting number: 88 **Meeting Date** May 29, 2019

Subject: Environment Clearance for "Woods Ville 3" Proposed Residential Building Project at S. No. 725,728 to 736 at Borhadewadi , Tal- Haveli, Dist. – Pune, 412105, Maharashtra. By M/s. Pharande Promoters & Builders

Is a Violation Case: No

1.Name of Project	"Woods Ville 3" Proposed Residential Building Project at S. No. 725,728 to 736 at Borhadewadi , Tal- Haveli, Dist. – Pune, 412105, Maharashtra. By M/s. Pharande Promoters & Builders
2.Type of institution	Private
3.Name of Project Proponent	Mr. Anil Pharande. M/s. Pharande Promoters & Builders.
4.Name of Consultant	VK environment LLP
5.Type of project	Residential project.
6.New project/expansion in existing project/modernization/diversification in existing project	Amendment
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes
8.Location of the project	S. No. 725,728 to 736 at Borhadewadi , Tal- Haveli, Dist. – Pune, 412105, Maharashtra. By M/s. Pharande Promoters & Builders
9.Taluka	Haweli
10.Village	Moshi Boradewadi
Correspondence Name:	Mr. Mr. Anil Pharande. M/s. Pharande Promoters & Builders.
Room Number:	NA
Floor:	1st
Building Name:	Puneville
Road/Street Name:	Kate wasti,
Locality:	Near balaji Mandir,
City:	Punawale, Pune 411033.
11.Area of the project	PCMC
12.IOD/IOA/Concession/Plan Approval Number	In process
	IOD/IOA/Concession/Plan Approval Number: In process
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	The construction is initiated on site as per EC granted for the project wide letter number: SEAC2212A/CR-390/ TC-2
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	25,400.00
16.Deductions	1154.59
17.Net Plot area	24245.41
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 35213.53
	b) Non FSI area (sq. m.): 33082.71
	c) Total BUA area (sq. m.): 68296.24
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval: 17-07-2018
19.Total ground coverage (m2)	9689.76
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	39.96%
21.Estimated cost of the project	1210000000

22.Number of buildings & its configuration

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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building A	P+11	36.15
2	Building B	P+11	36.15
3	Building C	P+11	36.15
4	Building D	P+11	36.15
5	Building E	P+11	36.15
6	Building F	P+12	39.15
7	Building G	P+12	39.15
8	Building H	P+11	36.15
9	Building I	P+12	39.15
10	Building J	P+12	39.15
11	Building K	P+12	39.15

23.Number of tenants and shops	487 Flats
24.Number of expected residents / users	2435
25.Tenant density per hectare	190
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	15
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9
29.Existing structure (s) if any	Work in progress as per old EC, dated 18/06/2013. Few residential buildings exist on site.
30.Details of the demolition with disposal (If applicable)	na

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

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Dry season:	**Source of water**	Pimpri Chinchwad Municipal Corporation
	Fresh water (CMD):	219 m3/day
	Recycled water - Flushing (CMD):	110m3/day
	Recycled water - Gardening (CMD):	28 m3/day
	Swimming pool make up (Cum):	2 m3/day
	Total Water Requirement (CMD) :	359 m3/day
	Fire fighting - Underground water tank(CMD):	400 kld for all buildings
	Fire fighting - Overhead water tank(CMD):	20 kld for each building
	Excess treated water	143 kld
Wet season:	**Source of water**	Pimpri Chinchwad Municipal Corporation
	Fresh water (CMD):	219 m3/day
	Recycled water - Flushing (CMD):	110 m3/day
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	2 m3/day
	Total Water Requirement (CMD) :	331 m3/day
	Fire fighting - Underground water tank(CMD):	400 for all buildings
	Fire fighting - Overhead water tank(CMD):	20 kld for each building
	Excess treated water	171 kld
Details of Swimming pool (If any)	Volume of Swimming pool : 109.52 m3 Water requirement for make up : 2.19 kld Details of Plant & Machinery used for treatment of Swimming Pool water: Quality to be achieved for swimming pool water :Parameters to be monitored :The below parameters of the swimming pool water after treatment will be maintained as follows: Total Chlorine : Less than 1.5 PPM. pH : 7.2 to 7.4 Budgetary Allocation per annum. Capital cost Rs. 30,00,000/- O & M cost Rs. 40,000 /- per month	

33.Details of Total water consumed

Particulars	Consumption (CMD)	Loss (CMD)	Effluent (CMD)

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Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Pre monsoon 9.60 meter, Post monsoon 4.60 meter
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	14 nos.
	Size of recharge pits :	Pit 2 x 2 x 2meter Bore well 0.180 meter diameter and 60 meter depth silting chamber 1 x 1 x 1
	Budgetary allocation (Capital cost) :	5,60,000 /-
	Budgetary allocation (O & M cost) :	70,000/-
	Details of UGT tanks if any :	Raw water : 67.5 m3 Domestic water: 270 m3 Fire Fighting : 400 m3
35.Storm water drainage	**Natural water drainage pattern:**	Overflow/surplus water from the recharge pit will be discharged into storm water drainage
	Quantity of storm water:	18.601 m3/minute
	Size of SWD:	600 mm.
Sewage and Waste water	**Sewage generation in KLD:**	Waste water 295 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	305 KLD
	Location & area of the STP:	On ground
	Budgetary allocation (Capital cost):	70,00,000/-
	Budgetary allocation (O & M cost):	15,00,000/-

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Dry waste (Kg/day):8 kg/day, Wet waste (Kg/day): 12 kg/day =Total waste generated:20 kg/day
	Disposal of the construction waste debris:	The construction waste generated during construction shall be segregated, reused on site and surplus shall be led to scrap dealers for recycling.
Waste generation in the operation Phase:	**Dry waste:**	487kg/day
	Wet waste:	731 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	30kg/day
	Others if any:	E-waste- 3.3 kg/day

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Mode of Disposal of waste:	**Dry waste:**	Will be handed over to SWaCH
	Wet waste:	Will be treated in organic Waster Converter (OWC)
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Dried sludge form STP will be used in manure.
	Others if any:	E waste will be given to authorized vendor
Area requirement:	**Location(s):**	On ground
	Area for the storage of waste & other material:	75 sqm
	Area for machinery:	75 sqm
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	20,75,000/-
	O & M cost:	4,83,219/-

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

Amount of effluent generation (CMD):	Not applicable
Capacity of the ETP:	Not applicable
Amount of treated effluent recycled :	Not applicable
Amount of water send to the CETP:	Not applicable
Membership of CETP (if require):	Not applicable
Note on ETP technology to be used	Not applicable
Disposal of the ETP sludge	Not applicable

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable

41.Source of Fuel	Not applicable
42.Mode of Transportation of fuel to site	Not applicable

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43.Green Belt Development	**Total RG area :**	Mandatory Open Space: 2424.5 Sq.m
	No of trees to be cut :	NA
	Number of trees to be planted :	330
	List of proposed native trees :	Please refer below list.
	Timeline for completion of plantation :	Till operation phase.

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Bauhinia blackiana	Krushankanchan	15	Small evergreen tree with large thick leaves and striking purplish red flowers
2	Lagerstromia speciosa	Tamhan	15	State flower tree of Maharashtra , purple color flower
3	Drypetes roxburghii	Putnranjiva	10	Medium size evergreen tree
4	Mangifera indica	Mango	5	Evergreen large shady tree with economical values
5	Eugenia jambolina	Jambul	5	Evergreen large shady tree with economical values
6	Acrus sapota	Chiku	5	Evergreen large shady tree with economical values
7	Saraca indica	Sita Ashok	5	Shady tree with yellow flowers
8	Tecoma gaudichaudi	Tecoma	50	Trees with bright yellow bell shaped flowers
9	Bauhinia tomentosa	Kanchan Yellow	40	Yellow bauhinia is a small tree with a maximum height of 4m with medicinal values
10	Ficus benjamina	Ficus	20	Fast growing evergreen tree
11	Michelia champaca baramasi	Son Chapa	15	Medium sized evergreen tree fragrant yellow flower, butterfly host plant
12	Anthocephalus kadamba	Kadamb	15	Shady large ,deciduous tree, fast growing graceful tree ball shaped flowers
13	Filicium decipiens	Fern tree	25	Slow-growing tree with a straight, short trunk and a dense, neatly shaped rounded crown.
14	Mimusops elengii variegated	Bakul variegated	15	Shady tree with small white fragrant flowers
15	Mimusops elengii green	Bakul green	15	Shady tree with small white fragrant flowers
16	Millingtonia Hortensis	Buch	15	ornamental tree have the pleasant fragrance of the flowers renders it ideal as a garden tree
17	Thespesia populnea	Gulbhendi	15	Indian tulip tree , short flowering plant with pink yellow flowers

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18	Cassia fistula	Bahawa	15	Medium size, deciduous tree with yellow flowers , butterfly host plant
19	Dillenia Indica	Dilenia	15	An evergreen large shrub or small to medium-sized tree, large white flowers and fruits
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	NA	NA	NA

47.Energy

Power requirement:	**Source of power supply :**	Maharashtra State Electricity Distribution Company Limited
	During Construction Phase: (Demand Load)	75 KW
	DG set as Power back-up during construction phase	1 x 125 KVA
	During Operation phase (Connected load):	4130 KW
	During Operation phase (Demand load):	1817 KW
	Transformer:	3 nos of 630 KVA
	DG set as Power back-up during operation phase:	1 no of 100 kVA & 1 no. of 160 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	Yes

48.Energy saving by non-conventional method:

Percentage of saving: 14.29%

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar PV Panels	56700 KWH / Anum
2	Timer Logic Controller	91235 KWH / Anum
3	Electronic V3F drive for Lifts	41933 KWH / Anum
4	Using solar hot water	842160 KWH / Anum

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
waste water	STP Installed	Not applicable

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food waste	Organic waste converter - one	Not applicable

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	138,73,00,000
	O & M cost:	6,44,00,000

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Erosion Control- dust suppression measures, barricading and top soil preservation	1963000
2	Land	Labor Camp toilet & sanitation	480000
3	Health and safety	Labor Safety Equipment's and training	400000
4	Environment	Environmental Monitoring	182500
5	Health and safety	Disinfection and health checkups.	51000
6	Environmental Management	Environmental Monitoring Cell	170000

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	1 STP	7000000	1500000
2	Solid Waste Management	1 OWC	2025000	419693
3	Landscaping	Development and maintenance of green area	1492000	149000
4	Rain water harvesting	14 pits	560000	70000
5	Environmental Monitoring	Air, water, noise, soil, waste water, OWC manure	-	185600
6	Renewable Energy	Solar Hot water System	1387300000	64400000

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Proposed site is located in Borhadewadi. The road network within the site has been designed to carter to the traffic loads of the project. Internal driveways are 6m wide. Existing access road is 12 m wide.
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	12009.75 sqm
	Area per car:	12.5 sqm
	Area per car:	12.5 sqm
	Number of 2-Wheelers as approved by competent authority:	428
	Number of 4-Wheelers as approved by competent authority:	307
	Public Transport:	Nil
	Width of all Internal roads (m):	6 mts
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8(a) B2 category
	Court cases pending if any	No
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-

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Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-
Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

PP submitted their application for prior Environmental clearance for total plot area of 25,400 m2, FSI area of 35213.53 m2, Non FSI area of 33082.71 m2 and total BUA of 68296.24 m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B2.

DECISION OF SEAC

SEAC-AGENDA-0000000271

During discussion following points emerged:

1. PP to submit details of fire tender drive way indicating clear width and service areas. PP to submit cross sections of fire tender drive way.

2. Podium level parking plan shall be revised with clear drive way without any obstructions.

3. PP to submit approved parking plan.

4. PP to submit parking statement showing total number of parking required and proposed as per DCR with area per car as per norms.

5. PP to submit details of internal sewer line along with drawings.

6. PP to submit details of environmental management plan.

7. PP to submit debris management plan including (a) debris required for refilling, (b) contour plan, (c) details of site where excess debris will be disposed, capacity of the site and NOC of plot owner. PP shall also ensure that debris disposed on other plot shall not be disposed on another plot. If to be disposed on another plot, the same shall be carried out as per prevailing environmental laws.

8. PP to submit geohydrological report along with details of RWH pits.

9. PP to submit following NOCs : (a) water supply, (b) solid waste management. (c) drainage, (d) Garden.

10. PP to submit undertaking regarding tree cutting.

*PP requested for time to submit the information sought; after deliberations committee asked PP to **comply with** the observations and submit information to the committee for further discussion and consideration of SEAC.*

Specific Conditions by SEAC:

FINAL RECOMMENDATION

SEAC-III decided to defer the proposal.Kindly find SEAC decision above.

SEAC-AGENDA-0000000271

SEAC Meeting number: 88 **Meeting Date** May 29, 2019

Subject: Environment Clearance for Proposed Residential Project at S No 41/4, Plot B2,Bhoirwadi, Taluka- Mulshi, Dist.- Pune by M/s. Yellowstone Skyscrapers LLP

Is a Violation Case: No

1.Name of Project	Proposed Residential Project at S No 41/4, Plot B2,Bhoirwadi, Taluka- Mulshi, Dist.- Pune by M/s. Yellowstone Skyscrapers LLP
2.Type of institution	Private
3.Name of Project Proponent	M/s. Yellowstone Skyscrapers LLP.
4.Name of Consultant	VK environment LLP
5.Type of project	Residential project.
6.New project/expansion in existing project/modernization/diversification in existing project	Not applicable
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	S. No. 41/4 Plot B2 at Bhoirwadi, Taluka Mulshi Dist. Pune 411057
9.Taluka	Mulshi
10.Village	Bhoirwadi
Correspondence Name:	Mr. Vineet K. Goyal.
Room Number:	A 102
Floor:	-
Building Name:	ICC Trade Tower
Road/Street Name:	Senapati Bapat Road
Locality:	S. No. 41/4 Plot B2 at Bhoirwadi, Taluka Mulshi Dist. Pune 411057
City:	Pune
11.Area of the project	PMRDA
12.IOD/IOA/Concession/Plan Approval Number	In process
	IOD/IOA/Concession/Plan Approval Number: In process
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	In process
15.Total Plot Area (sq. m.)	17,169.75
16.Deductions	1,374.64
17.Net Plot area	15795.11
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 23658.35
	b) Non FSI area (sq. m.): 21162.21
	c) Total BUA area (sq. m.): 44820
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** In process
	Approved Non FSI area (sq. m.): In Process
	Date of Approval: 29-10-2018
19.Total ground coverage (m2)	2699.98
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	17
21.Estimated cost of the project	1050000000

22.Number of buildings & its configuration

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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	T1 BUILDING	P+14	45
2	T2 BUILDING	P+14	45
3	T3 BUILDING	P+14	45
4	T4 BUILDING	P+14	45
5	T5 BUILDING	P+14	45
6	Club House 1 (Open Space)	G+1	6
7	Club House 2	G	3

23.Number of tenants and shops	432 flats
24.Number of expected residents / users	2160 residents
25.Tenant density per hectare	1258
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	24 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9m
29.Existing structure (s) if any	Temporary structures present on site.
30.Details of the demolition with disposal (If applicable)	Temporary structures will be demolished during construction phase.

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

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Dry season:	**Source of water**	Irrigation Department
	Fresh water (CMD):	194
	Recycled water - Flushing (CMD):	97
	Recycled water - Gardening (CMD):	30
	Swimming pool make up (Cum):	2
	Total Water Requirement (CMD) :	323
	Fire fighting - Underground water tank(CMD):	100
	Fire fighting - Overhead water tank(CMD):	100
	Excess treated water	135
Wet season:	**Source of water**	Irrigation Department
	Fresh water (CMD):	194
	Recycled water - Flushing (CMD):	97
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	2
	Total Water Requirement (CMD) :	293
	Fire fighting - Underground water tank(CMD):	100
	Fire fighting - Overhead water tank(CMD):	100
	Excess treated water	165
Details of Swimming pool (If any)	Dimensions of the swimming pool: 10.40 x 5.00 x 1.20, Volume: 62.40 m3 Kids Pool: 3.00 x 5.00 x 0.60, Volume: 9 m3	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Pre monsoon : 7.5m bgl Post monsoon : 9 m bgl
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	8 nos (2 recharge shaft with borewell and 6 modified storm water chambers without bore well are proposed)
	Size of recharge pits :	1 m width x 1m length x 2m depth below storm water inlet. And Recharge shaft 1m x 1m x1.2 m below inlet level with borewell of 60 m
	Budgetary allocation (Capital cost) :	Rs. 8,00,000/-
	Budgetary allocation (O & M cost) :	Rs. 60,000/-
	Details of UGT tanks if any :	Domestic :306 kld Fire: 100 kld
35.Storm water drainage	**Natural water drainage pattern:**	The storm water collected through the storm water drains of adequate capacity will be led to recharge & Overflow/surplus water from the recharge pit will be discharged into storm water Nala.
	Quantity of storm water:	15.02 m3/min
	Size of SWD:	200 mm to 600 mm storm water pipe
Sewage and Waste water	**Sewage generation in KLD:**	262
	STP technology:	MBBR
	Capacity of STP (CMD):	280 kld
	Location & area of the STP:	On ground, area 150 Sq.m
	Budgetary allocation (Capital cost):	Rs. 26,00,000/-
	Budgetary allocation (O & M cost):	Rs.16,00,000/-
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Dry waste (Kg/day): 8 kg/day Wet waste (Kg/day): 12 kg/day =Total waste generated: 20 kg/day
	Disposal of the construction waste debris:	The construction waste generated during construction shall be segregated, reused on site and surplus shall be led to scrap dealers for recycling.
Waste generation in the operation Phase:	**Dry waste:**	432 kg/day
	Wet waste:	648 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	16.8 kg/day
	Others if any:	E-waste- 3 kg/day

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Mode of Disposal of waste:	**Dry waste:**	Will be handed over to SWaCH
	Wet waste:	Will be treated in organic Waster Converter (OWC)
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Dried sludge form STP will be used in manure.
	Others if any:	E waste will be given to authorized recycler.
Area requirement:	**Location(s):**	On ground
	Area for the storage of waste & other material:	13.5 sqm
	Area for machinery:	54 sqm
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 20,75,000/-
	O & M cost:	Rs. 4,20,660/-

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

Amount of effluent generation (CMD):	Not applicable
Capacity of the ETP:	Not applicable
Amount of treated effluent recycled :	Not applicable
Amount of water send to the CETP:	Not applicable
Membership of CETP (if require):	Not applicable
Note on ETP technology to be used	Not applicable
Disposal of the ETP sludge	Not applicable

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable

41.Source of Fuel	Not applicable
42.Mode of Transportation of fuel to site	Not applicable

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43.Green Belt Development	**Total RG area :**	1579.51
	No of trees to be cut :	NA
	Number of trees to be planted :	203
	List of proposed native trees :	Please refer below list.
	Timeline for completion of plantation :	Till operation phase.

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Cassia fistula	Amaltas	13	Medium sized deciduous tree. A beautiful tree for small gardens, parks and along medium and small roads excellent yellow infloroscence.
2	Millingtonia hortensis	Akash neem	5	Tall evergreen tree can planted to screen facades due to good height , attract birds dur to its fragrent flowers.
3	Mimusops elengi	Bakul	7	Medium sized slow-growing evergreen tree with dense foliage. The flowers are a key source for some of the nesting space for birds.
4	Anthocephalus kadamba	Kadamba	13	Large sized deciduous tree strong branching pattern.The fragrant orange flowers attract pollinators / butterflies.
5	Albizia lebbeck	Sirish	10	Large sized deciduous tree. The tree has a graceful appearance and beautiful foliage.
6	Bauhinia vartiegata	Kachnar	14	Small sized deciduous tree.Round canopy. Suitable for roadside, group planting or as specimen tree in large lawns due to its flowering.
7	Elaeocarpus sphaericus	Rudraksh	15	Large evergreen broad-leaved tree. Seeds are of religious value equivalent to semi-precious stones- used for organic jewellery/necklaces.
8	Putranjiva roxburghii	Putranjiva	10	Medium sized evergreen tree. A good avenue tree for medium-sized road. Also suitable for growing in gardens and parks in rows for their globular, shining crown.
9	Pongamia pinnata	Karanj	10	Tree is well suited to intense heat and sunlight and its network of lateral route makes it draught tolerant.

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10	Syzigium jambolana	Jambhul	17	It is a evergreen tree growing to 15-25m tall tree. dense foliage & edible violet fruits invites lots of birds. Not prefreed along roads or in parking lots , due falling fruits & bird droppings.
11	Aegle marmelos	Bel	15	It is a evergreen tree growing with graceful appearance. Fruits are edible used in various medicinal purpose. leaves are of religious significance.
12	Azadirachta indica	Neem	25	Neem is a fast-growing tree that can reach a height of 15-20 metres. It is deciduous tree and the branches are wide and spreading. Good for air purification. Leaves have medicinal use.
13	Michelia champaca	Sonchafa	10	Popular for its fragrant yellow flowers, large evergreen tree is handsome in appearance grows uprights & suitable for planting anywhere. All parts of plants have medicinal value & used in Ayurveda. Also religious significance. Flowering:from end of summers till monsoons.
14	Swietenia macrophylla	Mahogany	5	Swietenia mahagoni is a medium-sized semi-evergreen tree growing.Very rare due to over-harvesting. It is regarded as the world's finest timber wood. It is grown as an ornamental tree in various parts of India.
15	Mangifera indica	Mango	20	Large evergreen tree with a dense dome-shaped crown, fruit bearing tree. Wood is extensively used for low-cost furniture.
16	Manilkara zopato	Chikoo	14	Medium sized deciduous tree. It is suitable for planting along the roads. The ground below the tree becomes thickly covered with fallen flowers.
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	Tecoma stans	@0.90 c/c	89
2	Bauhinia tomentosa	@0.90 c/c	89
3	Bauhinia acuminata	@0.90 c/c	89
4	Calliandra	@0.90 c/c	89
5	Hibiscus brackenridgei	@0.90 c/c	89
6	Hibiscus white	@0.90 c/c	89
7	Cascabela thevetia	@0.90 c/c	89
8	Adhatoda vasica	@0.90 c/c	89
9	Dombeya Natalensis	@0.90 c/c	89

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10	Jatropha pandurifolia	@0.90 c/c	89
11	Caesalpinia	@0.90 c/c	89
12	Lagerstroemia indica	@0.90 c/c	89
13	Mussaenda erythrophylla	@0.90 c/c	89
14	Tabernaemontana coronaria	@0.90 c/c	89

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	50 kW
	DG set as Power back-up during construction phase	62.5 KVA
	During Operation phase (Connected load):	2014.8 kVA
	During Operation phase (Demand load):	805.90 kVA
	Transformer:	2* 630 kVA
	DG set as Power back-up during operation phase:	1 No. of 125 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Total Energy Saving : i.e. 30 % over
Energy saving due to solar :i.e. (1.4 % Savings)

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	USING T5+ LED FIXTURES WITH ELECTRONIC BALLAST	340588.8
2	AGAINST T8+ CFL	340588.8
3	USING AUTOMATIC TIMER OPERATION AGAINST	7350
4	MANUAL OPEARATION FOR EXTERNAL LIGHTING	14700
5	USING HIGH EFFICIENT TRANSFORMER AGAINST	26490.24
6	CONVENTIONAL TRANSFORMER	44150.4
7	T5 Tube for Parking	52560
8	T8 Tube for parking	70080
9	T5 Tube for Common area	72927
10	T8 Tube for Common area	97236

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed

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Not applicable	Not applicable	Not applicable

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.75,00,000/-
	O & M cost:	Rs.5,00,000/-

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Erosion Control- dust suppression measures, barricading and top soil preservation	18.08
2	Land	Labor Camp toilet & sanitation	4.80
3	Health and safety	Labor Safety Equipment's and training	4
4	Environment	Environmental Monitoring	1.85
5	Health and safety	Disinfection and health checkups.	0.51
6	Environmental Management	Environmental Monitoring Cell	1.75

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	1 STP	26	16
2	Solid Waste Management	1 OWC	20.75	4.20
3	Landscaping	Development and maintenance of green area	348	8.35
4	Rain water harvesting	Recharge pits	8	0.60
5	Environmental Monitoring	Air, water, noise, soil, waste water, OWC manure	-	1.85
6	Renewable Energy	Solar Energy	75	5
7	Cost of laying Storm Water line upto final disposal	Laying strom water line up to Final Disposal	43	-
8	Cost of laying treated Sewer Water line upto final disposal	Laying Sewer water line up to final disposal	4.70	-
9	Swimming Pool	Swimming Pool	32	3

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

SEAC-AGENDA-0000000271

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Proposed site is located in Bhoirwadi. The road network within the site has been designed to carter to the traffic loads of the project. Internal driveways are 6m wide. Existing access road is 15 m wide.
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	One level Podium
	Total Parking area:	8821 Sq.m
	Area per car:	12.5
	Area per car:	12.5
	Number of 2-Wheelers as approved by competent authority:	437
	Number of 4-Wheelers as approved by competent authority:	219
	Public Transport:	NA
	Width of all Internal roads (m):	6m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8(a) B2 category
	Court cases pending if any	NA
	Other Relevant Informations	NA

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	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	Satisfactory.
Water Budget	Satisfactory.
Waste Water Treatment	Satisfactory.
Drainage pattern of the project	Satisfactory.
Ground water parameters	Satisfactory.
Solid Waste Management	Satisfactory.
Air Quality & Noise Level issues	Satisfactory.
Energy Management	Satisfactory.
Traffic circulation system and risk assessment	Satisfactory.
Landscape Plan	Satisfactory.
Disaster management system and risk assessment	Satisfactory.
Socioeconomic impact assessment	Satisfactory.
Environmental Management Plan	Satisfactory.
Any other issues related to environmental sustainability	Satisfactory.

Brief information of the project by SEAC

PP submitted their application for prior Environmental clearance for total plot area of 17,169.75 m2, FSI area of 23658.35 m2, Non FSI area of 21162.21 m2 and total BUA of 44820 m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B2.

DECISION OF SEAC

SEAC-AGENDA-0000000271

During discussion following points emerged:

1. In CER, PP has proposed construction of road from Bhoirwadi Village to project site. This is job of local planning authority hence not acceptable. PP to revise CER by proposing some other asset creation activity useful for the people in the vicinity.

2. PP to submit CFO NOC.

*SEAC decided to **recommend** the proposal for prior environmental Clearance, subject to PP complying with the above condition.*

Specific Conditions by SEAC:

1) In CER, PP has proposed construction of road from Bhoirwadi Village to project site. This is job of local planning authority hence not acceptable. PP to revise CER by proposing some other asset creation activity useful for the people in the vicinity.
2) PP to submit CFO NOC.

FINAL RECOMMENDATION

SEAC-III have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions

SEAC-AGENDA-0000000271

SEAC Meeting number: 88 **Meeting Date** May 29, 2019

Subject: Environment Clearance for Residential & Commercial

Is a Violation Case: No

1.Name of Project	180 & 51 Greens
2.Type of institution	Private
3.Name of Project Proponent	Bhaven Bhaskrbhai Amin
4.Name of Consultant	Mr.Rajesh srivastava -Pollution and ecology constrol services
5.Type of project	residential
6.New project/expansion in existing project/modernization/diversification in existing project	new project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	Gut no.39, Shanta Raman Vihar , Beed Bypass, Aurangabad - 431005
9.Taluka	Aurangabad
10.Village	Satara
Correspondence Name:	Bhaven Bhaskrbhai Amin
Room Number:	NA
Floor:	NA
Building Name:	Ruchika Arcade, Opp. khadkeshwar Mandir
Road/Street Name:	NA
Locality:	Khadkeshwar
City:	Aurangabad
11.Area of the project	Corporation area
12.IOD/IOA/Concession/Plan Approval Number	Aurangabad Municipal Area
	IOD/IOA/Concession/Plan Approval Number: Plan approval number 717-2016/17
	Approved Built-up Area: 45584.3
13.Note on the initiated work (If applicable)	Work initiated as per previous sanction. Construction of 14258.16 Sqm complete.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	30456 Sqm
16.Deductions	1406 Sqm
17.Net Plot area	29050 Sqm
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 47607.54
	b) Non FSI area (sq. m.): 16247.32
	c) Total BUA area (sq. m.): 63854.86
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 29974.13
	Approved Non FSI area (sq. m.): 15610.17
	Date of Approval: 28-10-2016
19.Total ground coverage (m2)	8588.17
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	30%
21.Estimated cost of the project	1475300000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)

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1	A	P + 11	36
2	B	P + 11	36
3	C	P + 11	36
4	D	P + 11	36
5	Bunglows - E (51)	G + 2	10.66
6	Club house - I	G	5.1
7	Club house - II	G	5.1
8	Amenity Building	B + G + 5	20.1

23.Number of tenants and shops	Number of tenament - 227 Nos. Nos of shop- 6 units
24.Number of expected residents / users	Residential users-1135 Nos & commercial users - 290 Nos
25.Tenant density per hectare	78.14
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	15 M wide road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.0 M
29.Existing structure (s) if any	Work initiate as per the earlir sanction .construction of 14258.16 Sqm completed on site
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	NA	NA	NA	NA

32.Total Water Requirement

SEAC-AGENDA-000000271

Dry season:	**Source of water**	Aurangabad municipal corporation
	Fresh water (CMD):	115.4
	Recycled water - Flushing (CMD):	53.98
	Recycled water - Gardening (CMD):	17
	Swimming pool make up (Cum):	6
	Total Water Requirement (CMD) :	186.38
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	200
	Excess treated water	92.4
Wet season:	**Source of water**	Aurangabad municipal corporation
	Fresh water (CMD):	115.4
	Recycled water - Flushing (CMD):	53.98
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	169.38
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	200
	Excess treated water	109.4
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	15 M BGL
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	Filtered & Collected in raw water tank
	Quantity of recharge pits:	5 nos
	Size of recharge pits :	2M X 2M X 3M
	Budgetary allocation (Capital cost) :	3.25 Lacs
	Budgetary allocation (O & M cost) :	0.13 Lack /Annum
	Details of UGT tanks if any :	UGT for Buildings- 200Cum UGT For Bungalows- 255 Cum Fire UGT- 200 cum
35.Storm water drainage	**Natural water drainage pattern:**	East To west
	Quantity of storm water:	10230 CUM
	Size of SWD:	450 TO 600
Sewage and Waste water	**Sewage generation in KLD:**	163 .38
	STP technology:	MBBR
	Capacity of STP (CMD):	172
	Location & area of the STP:	Shown on plan
	Budgetary allocation (Capital cost):	23.0 lacks
	Budgetary allocation (O & M cost):	2.53 lacks / Aunnum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	5 Kg/day
	Disposal of the construction waste debris:	Handed over to authorized Agency
Waste generation in the operation Phase:	**Dry waste:**	256 Kg/day
	Wet waste:	370 Kg/day
	Hazardous waste:	Negligible
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	15.44 Kg/day
	Others if any:	NA

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Mode of Disposal of waste:	**Dry waste:**	Handed over to authorized Agency
	Wet waste:	In-situ composting
	Hazardous waste:	Negligible
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	In-situ composting
	Others if any:	NA
Area requirement:	**Location(s):**	Shown in plan
	Area for the storage of waste & other material:	Shown on plan
	Area for machinery:	Shown on plan
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	7.4 lacs
	O & M cost:	1.0 lacs Annum

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable
41.Source of Fuel		Not applicable		
42.Mode of Transportation of fuel to site		Not applicable		

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43.Green Belt Development	**Total RG area :**	2905 Sqm
	No of trees to be cut :	0
	Number of trees to be planted :	363 Nos
	List of proposed native trees :	List Given below
	Timeline for completion of plantation :	Before completion of the project

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Albizia lebbeck	Shirish	5	Shady tree, yellowish green fragrant flowers
2	Azadiracta indica	Neem	5	Evergreen tree, fast growing
3	Saraca asoka	Sita Ashok	15	Shady tree with red-yellow flowers
4	Anthocephallus cadamba	Kadamb	5	Shady, large tree, ball shaped flowers
5	Psidium guajava	Peru	5	Medium size , fruit bearing tree
6	Nyctanthes arbor-tristis	Parijatak	15	This Small tree has highly fragrant flowers those attract Bees and Butterflies, Fruits attract Birds.
7	Ochna obtusata	Kanak Champa	5	Native, this shrub has yellow fragrant flowers, Host plant for Butterflies.
8	Murraya paniculatum	Kamini/Kunti	15	Native to Western Ghats, this shrub has fragrant white flowers and dense foliage. It is a host plant for Butterflies.
9	Manilkara zapota	Chickoo	5	This small tree attracts Birds and Bees. Edible Fruit.
10	Citrus limon	Lemon	5	This Shrub is used in everyday Cooking and acts as a host plant for Butterflies.
11	Bauhinia racemosa	Apta	5	Native to Pune, this Shrub has a Religious importance
12	Mimusops elengi	Bakul	5	Native, Evergreen Foliage and Flowering tree has dense branching, hence good for Wind screening. Flowers are deeply fragrant and attracts birds and Bees.
13	Pongamia pinnata	Karanj	5	Native to Pune, this Deciduous White Flowering tree . Attracts Birds and Arboreal Mammals.
14	Mangifera indica	Mango	5	Tall, fruit bearing tree
15	Syzygium cumini	Jambhul	15	Dense ornamental, fruit bearing tree
16	Lagerstroemia reginae	Tamhan	5	This Purple Flowering plant is the State flower of Maharashtra.

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17	Cassia fistula	Bahava	5	This Flowering and Deciduous tree has beautiful Yellow chandeliers in Summers. Good perching site for Birds.
18	Erythrina variegata	Pangara	15	Native to Western Maharashtra, this Reddish-Orange Flowering and Deciduous tree attracts lot of Birds for the Nectar.
19	Terminalia catapa	Badaam	5	Drought tolerant.
20	Terminalia arjuna	Arjuna	5	Large evergreen tree.
21	Bauhinia purpurea	Kanchan	5	Exotic tropical tree that blooms over a long period of time.
22	Michelia champaca	Son Chafa	5	Large evergreen tree.
23	Caryota urens	Fish Tail Palm	5	Flowering plant in the palm family.
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	NA	NA	NA

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	40 KW
	DG set as Power back-up during construction phase	30KVA
	During Operation phase (Connected load):	3809 KW
	During Operation phase (Demand load):	1844 KVA
	Transformer:	630 KVA -3 No, 315 kVA-1 NO
	DG set as Power back-up during operation phase:	320 KVA -3 NOS
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Solar water heater ,solar lights & solar PV Generation

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar water heater,Solar lights & solar PV generation	4.10%

50.Details of pollution control Systems

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Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	50.11 LACS
	O & M cost:	1.01 LACS/ annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water for construction & labour	Water Requirement	0.92
2	site sanitation & safety	Health & safety	1.6
3	environental monitoring	Pollution	1.8
4	Disinfecftion	Health & safety	0.5
5	Health Cheak-up	Health & safety	0.5

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Rain water harvesting	RWH Pits	3.25 Lacs	0.13 Lacs / annum
2	Sewage treatment plant	Waste water management	23.0 Lacs	0.53 Lacs / annum
3	Organic Waste composting	Solid waste management	7.4 Lacs	1.0 Lacs / annum
4	Tree Plantation	Landscape development	2179 Lacs	4.15 Lacs / annum
5	Energy saving	Energy conservation	50.11 Lacs	1.01 Lacs / annum
6	Environmental	Pollution control	0	1.80 Lacs / annum

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1

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Parking details:	**Number and area of basement:**	301.29 Sqm
	Number and area of podia:	NA
	Total Parking area:	6899.68 Sqm
	Area per car:	12.5 Sqm asper DCR & 22.92 Sqm provided
	Area per car:	12.5 Sqm asper DCR & 22.92 Sqm provided
	Number of 2-Wheelers as approved by competent authority:	454 Nos
	Number of 4-Wheelers as approved by competent authority:	227 Nos
	Public Transport:	NILL
	Width of all Internal roads (m):	9.0 M & 7.5 M
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8 (a)
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	Satisfactory.
Water Budget	Satisfactory.
Waste Water Treatment	Satisfactory.
Drainage pattern of the project	Satisfactory.
Ground water parameters	Satisfactory.
Solid Waste Management	Satisfactory.

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Air Quality & Noise Level issues	Satisfactory.
Energy Management	Satisfactory.
Traffic circulation system and risk assessment	Satisfactory.
Landscape Plan	Satisfactory.
Disaster management system and risk assessment	Satisfactory.
Socioeconomic impact assessment	Satisfactory.
Environmental Management Plan	Satisfactory.
Any other issues related to environmental sustainability	Satisfactory.

Brief information of the project by SEAC

PP submitted their application for prior Environmental clearance for total plot area of 30456 m2, FSI area of 47607.54 m2, Non FSI area of 16247.32 m2 and total BUA of 63854.86 m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B2.

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DECISION OF SEAC

During discussion following points emerged:

1. PP to submit revised CER indicating location and number of tree plantation and provision of OWCs

*SEAC decided to **recommend** the proposal for prior environmental Clearance, subject to PP complying with the above condition.*

Specific Conditions by SEAC:

1) PP to submit revised CER indicating location and number of tree plantation and provision of OWCs

FINAL RECOMMENDATION

SEAC-III have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions

SEAC Meeting number: 88 **Meeting Date** May 29, 2019

Subject: Environment Clearance for Amendment in Construction project by M/s Vishal Infracon.

Is a Violation Case: No

1.Name of Project	"Krishna's Blessing"
2.Type of institution	Private
3.Name of Project Proponent	Mr. Ishwar Patel
4.Name of Consultant	M/s JV Analytical Services
5.Type of project	Residential
6.New project/expansion in existing project/modernization/diversification in existing project	Amendment in Existing EC
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes (Vide No.SEAC-III /CR -202/TC-3 dated 17th March, 2015)
8.Location of the project	S.No.80, H.No.2/1
9.Taluka	Haveli
10.Village	Manjari BK
Correspondence Name:	Mr. Ketankumar Ravjibhai Patel
Room Number:	401
Floor:	-
Building Name:	Om Shanti
Road/Street Name:	Bhosale Nagar
Locality:	Hadapsar
City:	Pune-411028
11.Area of the project	Pune Metropolitan Regional Development Authority
12.IOD/IOA/Concession/Plan Approval Number	Received
	IOD/IOA/Concession/Plan Approval Number: LETTER NO. BHA/CR. NO. 148/17-18 / MOUZA MANJARI(B) S.NO./G.NO./CTS NO. 80/2/1
	Approved Built-up Area: 27407.05
13.Note on the initiated work (If applicable)	16372.49 m2 as per earlier EC vide no SEAC-III/CR-202/TC-3 dated 17/03/2015
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	13700.00 m2
16.Deductions	2055.00 m2
17.Net Plot area	11645.00 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 15677.25 m2
	b) Non FSI area (sq. m.): 11729.80 m2
	c) Total BUA area (sq. m.): 27407.05
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 15677.25 m2
	Approved Non FSI area (sq. m.): 11729.80 m2
	Date of Approval: 28-02-2018
19.Total ground coverage (m2)	3499.84 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	25.54 % of Total Plot Area (13700.00 m2), 30.05 % of Net Plot Area (11645.00 m2)
21.Estimated cost of the project	480000000

22.Number of buildings & its configuration

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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Wing A	P +11	34.35
2	Wing B	2P+11	37.20
3	Wing C	2P+11	37.20
4	Wing D	2P+11	37.20
5	Wing E	P+4	14.40

23.Number of tenants and shops	Total Tenements -269 Nos.
24.Number of expected residents / users	Residential Users:1345 Nos.
25.Tenant density per hectare	196.35
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	15.00 m wide road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	Not Applicable
30.Details of the demolition with disposal (If applicable)	Not Applicable

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

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Dry season:	**Source of water**	Manjari gram Panchayat
	Fresh water (CMD):	194.13 m3/day (One time)
	Recycled water - Flushing (CMD):	60.53 m3/day
	Recycled water - Gardening (CMD):	8.05 m3/day
	Swimming pool make up (Cum):	Not Applicable
	Total Water Requirement (CMD) :	125.55 m3/day
	Fire fighting - Underground water tank(CMD):	250 m3
	Fire fighting - Overhead water tank(CMD):	20 m3 (For each building)
	Excess treated water	98.89 m3/day
Wet season:	**Source of water**	Manjari gram Panchayat
	Fresh water (CMD):	186.08 m3/day (One time)
	Recycled water - Flushing (CMD):	60.53 m3/day
	Recycled water - Gardening (CMD):	Not Applicable
	Swimming pool make up (Cum):	Not Applicable
	Total Water Requirement (CMD) :	125.55 m3/day
	Fire fighting - Underground water tank(CMD):	250 m3
	Fire fighting - Overhead water tank(CMD):	20 m3 (For each building)
	Excess treated water	106.94 m3/day
Details of Swimming pool (If any)	Not Applicable	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	• Summer Season – 13.00 m to 17.33 m (15.165 M BGL Average) BGL. ,Rainy Season –5.67 m. to 8.00 BGL. (6.835 M. BGL Average) ,Winter Season – 9.335 m. to 12.665 m. BGL. (11.00 M BGL Average)
	Size and no of RWH tank(s) and Quantity:	Not Applicable
	Location of the RWH tank(s):	Not Applicable
	Quantity of recharge pits:	07 Nos.
	Size of recharge pits :	2.0 m. X 2.0 m. X 1.75 m. Depth with 60 m. Deep 6" Dia. Bore Well via 2 No. of de-siltation pits of 0.9 m. Dia. 1.0 m. Deep. Harvesting Capacity: 3,265.50 m3/Year i.e. 65.31 m3/ Day.
	Budgetary allocation (Capital cost) :	Rs.8.40 Lakh
	Budgetary allocation (O & M cost) :	Rs. 0.50 Lakh/year
	Details of UGT tanks if any :	Domestic UG tank Capacity: 190 m3 Flushing UG tank Capacity: 60.52 m3 Fire UG tank Capacity: 250.00 m3
35.Storm water drainage	**Natural water drainage pattern:**	-
	Quantity of storm water:	6,857.62 m3 per year i.e. 137.15 m3 per day Considering 849.30 mm. annual rain fall in 50 days averagely
	Size of SWD:	400 mm
Sewage and Waste water	**Sewage generation in KLD:**	167.47 m3/day
	STP technology:	MBBR
	Capacity of STP (CMD):	1 No. of 200 m3/day
	Location & area of the STP:	82.20 m2
	Budgetary allocation (Capital cost):	Rs.46.95 Lakh
	Budgetary allocation (O & M cost):	Rs. 7.75 Lakh/year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	25 kg/day
	Disposal of the construction waste debris:	Use for Leveling
Waste generation in the operation Phase:	**Dry waste:**	235.37 kg/day
	Wet waste:	383.32 kg/day
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Aplicable
	STP Sludge (Dry sludge):	40 kg/day
	Others if any:	Not applicable

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Mode of Disposal of waste:	**Dry waste:**	Authorized Vender
	Wet waste:	Organic Waste Convertor
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Used as Manure after treatment in OWC
	Others if any:	Not applicable
Area requirement:	**Location(s):**	-
	Area for the storage of waste & other material:	69 m2 including machinery area
	Area for machinery:	-
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 13.21 Lakh
	O & M cost:	Rs. 3.56 Lakh/year

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	125 KVA – 1No	HSD-20.2 Ltr/Hr @ 75% load	S-1	4.22 Mtr.	To be provided	To be provided
2	30 KVA – 1 No.	HSD-5.8 Ltr/Hr @ 75% load	S-2	3.53 Mtr.	To be provided	To be provided

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	Not applicable	7.75 Ltr/Hr	7.75 Ltr/Hr
41.Source of Fuel		Bharat Petroleum Corporation Ltd/ Hindustan Petroleum		

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42.Mode of Transportation of fuel to site	By Roadway

43.Green Belt Development	**Total RG area :**	1370.00 m2
	No of trees to be cut :	Not applicable
	Number of trees to be planted :	210 Nos.
	List of proposed native trees :	210 Nos.
	Timeline for completion of plantation :	Before completion of building

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Mimusops Elengi	Bakul	18	Large evergreen,dense,shady tree,medicine,fruit is edible
2	Spathodea Campanulata	African Tulip	08	Attractive to birds,flowering ,shady tree
3	Azardirachta Indica	Neem tree	24	Medicinal tree
4	Tabeuia	Roble	11	Large flowering tree,attractive to birds
5	Swietenia Macrophylla	Mohogani	03	Beautiful,shady tree
6	Terminalia Mantaly	Madagascar Almond	15	Evergreen tree,shady tree
7	Anthocephalus Cadamba	Kadamba	06	Genius of flower plants
8	Millingtonia Hortensis	Buch	12	Fragrance and flowering tree,attractive to birds
9	Pongamia Pinnata	Pongam tree	21	Beautiful pink flowering tree
10	Michelia Champaka	Sonchapa	06	Beautiful long lasting flowers
11	Nyctanthes Arbortrdtis	Parijat	24	Beautiful long lasting flowers having beautiful smell
12	Mangifera Indica	Mango	20	Large fruit giving tree (mango tree)
13	Erythrina Stricta	Coral tree	04	Large flowering tree,attractive to birds
14	Areca Catechu	Supari	12	Fruit tree,bird attraction
15	Foxtail Palm	Wodyetia Bifurcata	26	Ornamental attractive tree
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	-	-	-

47.Energy

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Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	75 KW
	DG set as Power back-up during construction phase	82.5 KVA
	During Operation phase (Connected load):	1190 KW
	During Operation phase (Demand load):	699 KW
	Transformer:	630 KVA – 1 No. & 315 KVA – 1 No.
	DG set as Power back-up during operation phase:	125 KVA – 1 No., 30 KVA – 1No.
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	No

48.Energy saving by non-conventional method:

- Auto Timer control for external & Common lighting
- Use of LED lamps in all public/ common areas.
- Solar powered water heating.
- Electronic V3F Drives for Elevators
- Solar PV Panel power for common area lighting

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar Energy -outdoor lighting/street lights	0.34 %
2	Auto Timer Logic Controller	1.34 %
3	Electronic V3F drive for lifts	0.53 %
4	Solar Water Heater	16.96 %

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air	Barricading the site	Green belt will be provided
Water	STP is installed & excess treated water used for flushing & gardening	-
Noise	Traffic management plan to be prepared. Acoustically enclosed DG set is installed.	Noise monitoring will be done in once a fortnight. Traffic management plan to be prepared
Solid Waste	Wet waste treated in existing OWC.	STP sludge will be Used as Manure after treatment in OWC Dry Waste will be given to SWACH

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.62.23 Lakh
	O & M cost:	Rs. 2.29 Lakh/year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water for Dust Suppression, Air & Noise Monitoring	0.50 Lakh/Year
2	Water Environment	Tanker Water for Construction, Water Monitoring	0.50 Lakh/Year
3	Land Environment	Site Sanitation –Mobile toilets	0.50 Lakh/Year
4	Socio-economic	Disinfection- Pest Control, First Aid Facilities, Health Check Up, Creches For Children, Food for children, Personal Protective Equipment	1.00 Lakh/Year

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP	200 m3/day	Rs.46.95 Lakh	Rs.7.75 Lakh/Year
2	RWH	Rain water Harvesting	Rs.8.40 Lakh	Rs.0.50 Lakh/Year
3	MSW	OWC	13.21 Lakh	3.56 Lakh/Year
4	Energy System	-	Rs.62.23 Lakh	Rs.2.29 Lakh / year
5	Landscaping	-	Rs.9.01 Lakh	Rs.2.00 Lakh/Year
6	Safety Equipments	-	Rs.10.00 Lakh	Rs.2.00 Lakh/Year
7	Post EC Monitoring	-	-	Rs.2.50 Lakh/Year
8	Dry Waste Management	-	-	Rs.1.61 Lakh/Year

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	-

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Parking details:	**Number and area of basement:**	Not applicable
	Number and area of podia:	1 No & Area - 2705.85 m2
	Total Parking area:	4545.20 m2
	Area per car:	55.42 m2
	Area per car:	55.42 m2
	Number of 2-Wheelers as approved by competent authority:	479 Nos.
	Number of 4-Wheelers as approved by competent authority:	82 Nos.
	Public Transport:	Not applicable
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable
	Category as per schedule of EIA Notification sheet	8(a)
	Court cases pending if any	Not applicable
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	Satisfactory.
Water Budget	Satisfactory.
Waste Water Treatment	Satisfactory.
Drainage pattern of the project	Satisfactory.
Ground water parameters	Satisfactory.
Solid Waste Management	Satisfactory.

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Air Quality & Noise Level issues	Satisfactory.
Energy Management	Satisfactory.
Traffic circulation system and risk assessment	Satisfactory.
Landscape Plan	Satisfactory.
Disaster management system and risk assessment	Satisfactory.
Socioeconomic impact assessment	Satisfactory.
Environmental Management Plan	Satisfactory.
Any other issues related to environmental sustainability	Satisfactory.

Brief information of the project by SEAC

PP submitted their application for prior Environmental clearance for total plot area of 13700 m2, FSI area of 15677.25 m2, Non FSI area of 11729.80 m2 and total BUA of 27407.05 m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B2.

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DECISION OF SEAC

During discussion following points emerged:

1. In CER, PP has proposed construction of road which is job of local planning authority hence not acceptable. PP to revise CER by proposing some other asset creation activity useful for the people in the vicinity.

2. PP to incorporate local native fruit bearing trees in plantation plan.

*SEAC decided to **recommend** the proposal for prior environmental Clearance, subject to PP complying with the above condition.*

Specific Conditions by SEAC:

1) In CER, PP has proposed construction of road which is job of local planning authority hence not acceptable. PP to revise CER by proposing some other asset creation activity useful for the people in the vicinity.
2) PP to incorporate local native fruit bearing trees in plantation plan.

FINAL RECOMMENDATION

SEAC-III have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions

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SEAC Meeting number: 88 **Meeting Date** May 29, 2019

Subject: Environment Clearance for Proposed Residential Project

Is a Violation Case: No

1.Name of Project	Pleasure Park
2.Type of institution	Private
3.Name of Project Proponent	Keshav Goel / Subhash Kumar Aggarwal
4.Name of Consultant	Mr.Rajesh Srivastava - Pollution and Ecology Constrol Servicess (PECS)
5.Type of project	Residential Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Gat.No. 25, Hissa No. 2 & 3 , Village-Kanhe, Taluka- Maval, Dist- Pune
9.Taluka	Maval
10.Village	Kanhe
Correspondence Name:	Keshav Goel / Subhash Kumar Aggarwal
Room Number:	Office No. C- 82
Floor:	NA
Building Name:	DDA Shed
Road/Street Name:	-
Locality:	Phase -1 , Okhla Industrial Estate
City:	Delhi-1110019
11.Area of the project	Other Area
12.IOD/IOA/Concession/Plan Approval Number	PMRDA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 18661.77
13.Note on the initiated work (If applicable)	NIL
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	20350 Sqm
16.Deductions	-
17.Net Plot area	20350 Sqm
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 21815.64
	b) Non FSI area (sq. m.): 9879.37
	c) Total BUA area (sq. m.): 31695.01
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 15228.07
	Approved Non FSI area (sq. m.): 3433.7
	Date of Approval: 24-07-2018
19.Total ground coverage (m2)	2653.4
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	13%
21.Estimated cost of the project	497100000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)

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1	A	P+7	23.1
2	B	P+11	34.54
3	C	P+7	23.1
4	D	P+10	31.8
5	E	P+7	23.1
6	F	P+7	23.1
7	Club House	G+1	7.8

23.Number of tenants and shops	No of Tenements -686 No. of Shops- NIL
24.Number of expected residents / users	Residential Users- 3430 Nos
25.Tenant density per hectare	337 tenant per hector
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	12 M
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 M
29.Existing structure (s) if any	Existing structure of approx 200 Sqm
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

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Dry season:	**Source of water**	Grampanchayat Kanhe
	Fresh water (CMD):	308.7
	Recycled water - Flushing (CMD):	154.35
	Recycled water - Gardening (CMD):	12.212
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	475.26
	Fire fighting - Underground water tank(CMD):	125 cum
	Fire fighting - Overhead water tank(CMD):	70 cum
	Excess treated water	250.18
Wet season:	**Source of water**	Grampanchayat Kanhe
	Fresh water (CMD):	308.7
	Recycled water - Flushing (CMD):	154.35
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	463.05
	Fire fighting - Underground water tank(CMD):	125cum
	Fire fighting - Overhead water tank(CMD):	70 cum
	Excess treated water	262.40
Details of Swimming pool (If any)	NIL	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	10 m BGL
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	Collected in Raw water Tank
	Quantity of recharge pits:	4 No.of Recharge pits with bore
	Size of recharge pits :	2m x 2m x 3m
	Budgetary allocation (Capital cost) :	Rs 2.6 Lacs
	Budgetary allocation (O & M cost) :	Rs.0.5 Lacs /Annum
	Details of UGT tanks if any :	Domestic UGT - 463 Cum, Flushing UGT-154 Cum, Fire UGT- 125 Cum
35.Storm water drainage	**Natural water drainage pattern:**	North of south
	Quantity of storm water:	6878.62 cum/Annum
	Size of SWD:	250-500 mm
Sewage and Waste water	**Sewage generation in KLD:**	416.75 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	420 KLD
	Location & area of the STP:	Shown on Plan
	Budgetary allocation (Capital cost):	Rs. 85.25 Lacs
	Budgetary allocation (O & M cost):	Rs. 12.65 Lacs
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	5 kg/day
	Disposal of the construction waste debris:	Dispose through Authorized Agency
Waste generation in the operation Phase:	**Dry waste:**	686 Kg/day
	Wet waste:	1029 Kg/day
	Hazardous waste:	Negligible
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	39.42 Kg/day
	Others if any:	E- waste- 5 Kg/day

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Mode of Disposal of waste:	**Dry waste:**	Hande Over to Authorized Agency
	Wet waste:	In - situ composting
	Hazardous waste:	Negligible
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	In - situ composting
	Others if any:	Hande Over to Authorized Agency
Area requirement:	**Location(s):**	Shown in Plan
	Area for the storage of waste & other material:	165 sqm
	Area for machinery:	Considered in above area
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	10.0 Lacs
	O & M cost:	2.0 Lacs /Annum

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable
41.Source of Fuel		Not applicable		
42.Mode of Transportation of fuel to site		Not applicable		

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43.Green Belt Development	**Total RG area :**	2035.36
	No of trees to be cut :	0
	Number of trees to be planted :	255
	List of proposed native trees :	List Given Below
	Timeline for completion of plantation :	Before completion of project

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Albizia lebbeck	Shirish	8	Shady tree, yellowish green fragrant flowers
2	Azadiracta indica	Neem	8	Evergreen Tree, fast growing
3	Saraca asokac	Sita Ashok	8	Shady tree with red-yellow flowers
4	Anthocephallus cadamba	Kadamb	8	Shady, large tree, ball shaped flowers
5	Psidium guajava	Peru	8	Medium size , fruit bearing tree
6	Nyctanthes arbor-tristis	Parijatak	8	This Small tree has highly fragrant flowers those attract Bees and Butterflies, Fruits attract Birds.
7	Ochna obtusata	Kanak Champa	8	Native, this shrub has yellow fragrant flowers, Host plant for Butterflies.
8	Murraya paniculatum	Kamini/Kunti	8	Native to Western Ghats, this shrub has fragrant white flowers and dense foliage. It is a host plant for Butterflies.
9	Manilkara zapota	Chickoo	8	This small tree attracts Birds and Bees. Edible Fruit.
10	Citrus limon	Lemon	8	This Shrub is used in everyday Cooking and acts as a host plant for Butterflies.
11	Bauhinia racemosa	Apta	8	Native to Pune, this Shrub has a Religious importance
12	Mimusops elengi	Bakul	8	Native, Evergreen Foliage and Flowering tree has dense branching, hence good for Wind screening. Flowers are deeply fragrant and attracts birds and Bees.
13	Pongamia pinnata	Karanj	8	Native to Pune, this Deciduous White Flowering tree . Attracts Birds and Arboreal Mammals.
14	Mangifera indica	Mango	8	Tall, fruit bearing tree
15	Syzygium cumini	Jambhul	8	Dense ornamental, fruit bearing tree
16	Lagerstroemia reginae	Tamhan	8	This Purple Flowering plant is the State flower of Maharashtra.

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17	Cassia fistula	Bahava	8	This Flowering and Deciduous tree has beautiful Yellow chandeliers in Summers. Good perching site for Birds.
18	Erythrina variegata	Pangara	8	Native to Western Maharashtra, this Reddish-Orange Flowering and Deciduous tree attracts lot of Birds for the Nectar.
19	Terminalia catapa	Badaam	8	Drought tolerant.
20	Terminalia arjuna	Arjuna	8	Large evergreen tree.
21	Bauhinia purpurea	Kanchan	8	Exotic tropical tree that blooms over a long period of time.
22	Michelia champaca	Son Chafa	8	Large evergreen tree.
23	Caryota urens	Fish Tail Palm	8	Flowering plant in the palm family.
24	Plumeria alba	Plumeria alba	8	Tree with elongated leaves, large and strongly perfumed white flowers with a yellow center. Ornamental plant.
25	Couroupita guianensis	Kailashpati	8	Deciduous tree. Flowering & Fruit Bearing. Medicinal properties.
26	Khaya anthotheca	Mahogany	11	Large, fast-growing, semi-deciduous tree with a dense crown.
27	Butea monosperma	Palas	11	Medium-sized dry season-deciduous tree.
28	Ficus glomerate	Cluster Fig	11	Deciduous tree. Medicinal Properties.
29	Cordia dichotoma	Indian Cherry	11	Flowering Tree
30	Plumeria rubra	Frangipani	11	Tropical and sub-tropical deciduous tree.
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	NA	NA	NA

47.Energy

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Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	70 KW
	DG set as Power back-up during construction phase	40 KVA
	During Operation phase (Connected load):	1929 KW
	During Operation phase (Demand load):	1243 KVA
	Transformer:	630 KVA-2 Nos & 315 KVA -1 No
	DG set as Power back-up during operation phase:	100 KVA -1 No & 40 KVA -1 No
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Most of the common area & external lighting are proposed to work on high energy efficient lamps LED as specified in bureau of energy efficiency which again results in saving in general consumption
Low loss transformers due to which 6.22% losses are saved against conventional transformer
Power capacitors are proposed for load power factor correction and to maintain a healthy power situation .this aslo results in loss demand load factor for the project.
Solar PV, Hot Water,Energy Efficient Motors are proposed

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Energy conservation measures & solar Water Heater & solar PV	28%

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 87.8 Lacs
	O & M cost:	Rs. 1.16 lacs /annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water for constructin & labour	Water Requirement	1.2
2	site sanition & safety	health & safety	1
3	Environmental Monitoring	Pollution	1.8

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4	Disinfection	health & safety	0.5
5	Health check -up	health & safety	0.5

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Rain water harvesting	RWH Pits	2.6	0.5
2	sewage treatment plant	Waste water management	85.25	12.65
3	Organic waste composting	solid waste management	10	2
4	Tree Plantation	Landcape Development	15.2	4.5
5	Energy saving	Energy conservation	87.8	1.16
6	Environmental Monitoring	Pollution Control	0	1.8

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1 Nos.

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Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	2665
	Area per car:	12.5
	Area per car:	12.5
	Number of 2-Wheelers as approved by competent authority:	830
	Number of 4-Wheelers as approved by competent authority:	16
	Public Transport:	NILL
	Width of all Internal roads (m):	12M
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8 (a)
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-

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Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

PP remained **absent**. The proposal was deferred.

DECISION OF SEAC

PP remained **absent**. The proposal was deferred.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

Kindly find SEIAA decision above.

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SEAC Meeting number: 88 **Meeting Date** May 29, 2019

Subject: Environment Clearance for Project by M/s G. K. Fortune Promoters & Builders

Is a Violation Case: No

1.Name of Project	"Dwarka Sai"
2.Type of institution	Private
3.Name of Project Proponent	Mr. Vinod Premchand Chandwani
4.Name of Consultant	JV Analytical Services
5.Type of project	Residential & Commercial
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes
8.Location of the project	S. No. 42/2/7 & 42/2/8, Rahatani
9.Taluka	Haveli
10.Village	Rahatani
Correspondence Name:	Mr. Vinod Premchand Chandwani
Room Number:	S. No. 42/2/7 & 42/2/8
Floor:	-
Building Name:	-
Road/Street Name:	-
Locality:	Opposite Vimal Garden, Rahatani
City:	Pune
11.Area of the project	Pimpri Chinchwad Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Received
	IOD/IOA/Concession/Plan Approval Number: BP/RAHATNI/E.C/01/2018
	Approved Built-up Area: 45550.74
13.Note on the initiated work (If applicable)	23322.11 m2 (As per old EC dated 03/12/2016)
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	14200 m2
16.Deductions	2465.98 m2
17.Net Plot area	11734.02 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 20796.26 m2
	b) Non FSI area (sq. m.): 25091.22 m2
	c) Total BUA area (sq. m.): 45887.48
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 20796.26 m2
	Approved Non FSI area (sq. m.): 24754.49 m2
	Date of Approval: 01-10-2018
19.Total ground coverage (m2)	3858.71 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	27.17 % of total plot area (14200m2) 32.88 % of net plot area (11734.02m2)
21.Estimated cost of the project	990000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)

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1	A1+A2	P+8	26.10 m
2	B1+B2	P+8	26.10 m
3	C1+C2	P+8	26.10 m
4	D1+D2	P+8	26.10 m
5	E	GP+4P+4	26.10 m
6	Row Houses	G+1	6.45 m
7	Commercial Building	B+G+M+10	35.80 m

23.Number of tenants and shops	Total Tenements – 366 Nos. Shops – 11 Nos. Offices – 11 Nos.
24.Number of expected residents / users	Residential Users: 1830 Nos. Commercial Users:512 Nos. Total Users: 2342 Nos.
25.Tenant density per hectare	250
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	18m wide Road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	Not Applicable
30.Details of the demolition with disposal (If applicable)	Not Applicable

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

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Dry season:	**Source of water**	PCMC
	Fresh water (CMD):	285.09 m3/day (One Time)
	Recycled water - Flushing (CMD):	95.15 m3/day
	Recycled water - Gardening (CMD):	10.00 m3/day
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	179.94 m3/day
	Fire fighting - Underground water tank(CMD):	300 m3
	Fire fighting - Overhead water tank(CMD):	130 m3
	Excess treated water	142.42 m3/day
Wet season:	**Source of water**	PCMC
	Fresh water (CMD):	275.09 m3/day (One Time)
	Recycled water - Flushing (CMD):	95.15 m3/day
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	179.94 m3/day
	Fire fighting - Underground water tank(CMD):	300 m3
	Fire fighting - Overhead water tank(CMD):	130 m3
	Excess treated water	152.42 m3/day
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	10 m to 15 m BGL
	Size and no of RWH tank(s) and Quantity:	-
	Location of the RWH tank(s):	-
	Quantity of recharge pits:	15 Nos.
	Size of recharge pits :	1.20 m x 1.20 m x 1.20 m
	Budgetary allocation (Capital cost) :	Rs. 6.00 Lakh
	Budgetary allocation (O & M cost) :	Rs. 1.50 Lakh/Year
	Details of UGT tanks if any :	Domestic water tank Capacity: 307 m3 Flushing water tank Capacity: 130 m3 Fire water tank Capacity: 300 m3
35.Storm water drainage	**Natural water drainage pattern:**	-
	Quantity of storm water:	2336.06 m3
	Size of SWD:	450 mm
Sewage and Waste water	**Sewage generation in KLD:**	247.57 m3/day
	STP technology:	MBBR
	Capacity of STP (CMD):	STP-1: 200 m3/day & STP-2: 50 m3/day
	Location & area of the STP:	150 m2
	Budgetary allocation (Capital cost):	STP -1: Rs. 64.00 Lakh & STP -2:Rs. 22.00 Lakh
	Budgetary allocation (O & M cost):	STP-1: Rs. 14.01 Lakh/Year & STP-2: Rs. 6.76 Lakh/Year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	15 Kg/day
	Disposal of the construction waste debris:	Use for Levelling
Waste generation in the operation Phase:	**Dry waste:**	443 kg/day
	Wet waste:	601 kg/day
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	37.04 Kg/day
	Others if any:	NA

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Mode of Disposal of waste:	**Dry waste:**	SWACH
	Wet waste:	Organic Waste Convertor
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as manure after treatment in OWC
	Others if any:	NA
Area requirement:	**Location(s):**	-
	Area for the storage of waste & other material:	67.5 m2
	Area for machinery:	Included in other area
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 20.7 Lakh
	O & M cost:	Rs. 4.22 Lakh/year

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	DG set- 125 KVA-02No.	HSD	S	4.68 m	To be provided	To be provided

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	21.6 Lits / Hrs	21.6 Lits / Hrs	43.2 Lits / Hrs.
41.Source of Fuel		Bharat Petroleum Corporation Limited/ Hindustan Petroleum		
42.Mode of Transportation of fuel to site		By Roadway		

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43.Green Belt Development	**Total RG area :**	1397.02 m2
	No of trees to be cut :	-
	Number of trees to be planted :	157 Nos.
	List of proposed native trees :	157 Nos.
	Timeline for completion of plantation :	After completion

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Mimusoap ellengi	Bakul	12	Indigenous Tree, Yellow flowers. Shady
2	Millingtonia hortensis	Indian cork	10	Indigenous Tree, White flowers Shady, Evergreen
3	Casia glauca	Cassia Glauca	15	Yellow flowers, Shady, Evergreen
4	Magnifera indica	Mango	24	Fruit Tree, Seasonal, Shady, Evergreen
5	Bauhinia balckiana	Kanchan	11	Indigenous Tree, purple flowers, Shady
6	Michelia champaca	Sonchafa	15	Indigenous Tree, Yellow fragment flowers
7	Cordia sabasthina	Cordia	12	Orange flowers throughout the year. Shady
8	Azadirchta indica	Neem	18	Medicinal Tree. Oxygen generating, Shady, indigenous tree, Evergreen
9	Foxtail Palm	Palm tree	16	Creates avenue.
10	Acrus sapota variety	Chikoo	24	Fruit tree. Dense foliage, Evergreen
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	--	--	--

47.Energy

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Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	31 KW
	DG set as Power back-up during construction phase	01 No. - 40KVA
	During Operation phase (Connected load):	1597 KW
	During Operation phase (Demand load):	893 KW
	Transformer:	02 Nos. x 630 KVA
	DG set as Power back-up during operation phase:	01No.-125 KVA& 01 No. – 125 KVA
	Fuel used:	HSD - 21.6 Lits / Hrs .(DG Set-125 KVA)
	Details of high tension line passing through the plot if any:	No

48.Energy saving by non-conventional method:

1 Generally, we have proposed high efficiency transformer, motors etc. to reduce losses.

2 Electronic Ballasts and Energy efficient lamp source either troposphere or LED are proposed for common area & general lighting with automatic time-based control to save power by switching ON& OFF the lights at appropriate time. The estimated saving in common lighting consumption is up to 20 % due to adopting above measures.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total of all Savings for (Per year)	205604 KW/Annum
2	Overall Energy Saving Per Year	20.00 %

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air	-	Green Belt will be provided.
Water	STP OF capacity 200 KLD is installed &excess treated water used for flushing &gardening	STP of capacity 50KLD will be installed &excess treated water used for flushing &gardening.
Noise	Acoustically enclosed DG set is installed	Noise monitoring will be done in once a fortnight. Traffic manageent plan to be prepared.
Solid Waste	-	Wet waste will be treated in OWC. STP sludge will be used as manure after treatment in OWC dry waste will be given to SWACH.

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 54.00 Lakh
	O & M cost:	Rs. 1.08 Lakh/Year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)

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1	Air Environment	Water for Dust Suppression, Air& NoiseMonitoring	0.50
2	Water Environment	Tanker Water for Construction, Water Monitoring	0.50
3	Land Environment	Site Sanitation- Mobile toilets	0.50
4	Socio Economic	Disinfection- Pest Control, First Aid Facilities, Health Check Up, Crechesfor Children, Food for children, Personal Protective Equipment	1.00

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP-1	200 KLD	64.00 Lakh	14.01 Lakh/year
2	STP-2	50 KLD	22.00 Lakh	6.76 Lakh/year
3	RWH	-	6.00 Lakh	1.50 Lakh/year
4	MSW (OWC)	-	20.7 Lakh	4.22 Lakh/year
5	Energy System	-	54 Lakh	1.08 Lakh/year
6	Landscaping	-	15.00 Lakh	4.00 Lakh/year
7	Safety Equipment's	-	10.00 Lakh	2.00 Lakh/year
8	Post EC Monitoring	-	-	2.50 Lakh/year
9	Dry Waste Management	-	-	2.19Lakh/year

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	-

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Parking details:	**Number and area of basement:**	1000 m2
	Number and area of podia:	-
	Total Parking area:	11567.13 m2
	Area per car:	Covered parking – 30 m2 Basement parking – 35 m2
	Area per car:	Covered parking – 30 m2 Basement parking – 35 m2
	Number of 2-Wheelers as approved by competent authority:	841 Nos.
	Number of 4-Wheelers as approved by competent authority:	224 Nos.
	Public Transport:	-
	Width of all Internal roads (m):	6 M
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	B2
	Court cases pending if any	No
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-

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Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	--
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

PP submitted their application for prior Environmental clearance for total plot area of 14200 m2, FSI area of 20796.26 m2, Non FSI area of 25091.22 m2 and total BUA of 45887.48 m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B2.

DECISION OF SEAC

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During discussion following points emerged:

1. PP to submit debris management plan including (a) debris required for refilling, (b) contour plan, (c) details of site where excess debris will be disposed, capacity of the site and NOC of plot owner. PP shall also ensure that debris disposed on other plot shall not be disposed on another plot. If to be disposed on another plot, the same shall be carried out as per prevailing environmental laws.

2. PP to submit environmental management plan.

3. PP to submit phase wise programme for proposed construction with mitigation measures taken to avoid inconvenience to existing / nearby occupants.

4. PP to submit UGT sections.

5. PP to submit details of energy saving.

6. PP to submit survival report of existing trees and incorporate addition of local native species in plantation plan.

*PP requested for time to submit the information sought; after deliberations committee asked PP to **comply with** the observations and submit information to the committee for further discussion and consideration of SEAC.*

Specific Conditions by SEAC:

FINAL RECOMMENDATION

SEAC-III decided to defer the proposal.Kindly find SEAC decision above.

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SEAC Meeting number: 88 **Meeting Date** May 29, 2019

Subject: Environment Clearance for Building & construction project

Is a Violation Case: No

1.Name of Project	Building & construction project
2.Type of institution	Private
3.Name of Project Proponent	NUC INFRA PVT LTD
4.Name of Consultant	EIA Cordinator: Sourabh Jaiswar; M/s Pollution & Ecological Services
5.Type of project	Commercial project
6.New project/expansion in existing project/modernization/diversification in existing project	New
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	Survey No 24/1/2B +24/1/34+ 24/1/35+ 24/1/3 +24/1/19+24/1/33 (A)
9.Taluka	Haveli
10.Village	Balewadi
Correspondence Name:	Mr. Pramod Bhat, S.N. 36/7/5,Ambegaon Budruk, Mumbai-Bangalore Bypass,Pune-411 046
Room Number:	1
Floor:	2
Building Name:	Ceratec
Road/Street Name:	Mumbai-Bangalore Bypass
Locality:	Katraj
City:	Pune
11.Area of the project	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Commencement certificate
	IOD/IOA/Concession/Plan Approval Number: 00
	Approved Built-up Area: 00
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	5125.00
16.Deductions	1257.60
17.Net Plot area	3867.40
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 13535.90
	b) Non FSI area (sq. m.): 17820.36
	c) Total BUA area (sq. m.): 31356.20
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 00
	Approved Non FSI area (sq. m.): 00
	Date of Approval: 01-02-2018
19.Total ground coverage (m2)	1540.00
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	40
21.Estimated cost of the project	992500000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)

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1	01 Commercial building	2 B + G + 15	60.00

23.Number of tenants and shops	No of offices : 104, Shops : 04
24.Number of expected residents / users	2434
25.Tenant density per hectare	NA
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	30.0 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	7.5 m
29.Existing structure (s) if any	NA
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

Dry season:	**Source of water**	PMC
	Fresh water (CMD):	61
	Recycled water - Flushing (CMD):	49
	Recycled water - Gardening (CMD):	05
	Swimming pool make up (Cum):	00
	Total Water Requirement (CMD) :	115
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	20
	Excess treated water	50

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Wet season:	**Source of water**	PMC
	Fresh water (CMD):	61
	Recycled water - Flushing (CMD):	49
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	00
	Total Water Requirement (CMD) :	110
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	20
	Excess treated water	55
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	8-10 m
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	2 Nos bore +4 Nos oak Pits : total 6 nos – Size: 1.0 m. X 1.0 m. X 1.0 m , 2 Nos of recharge pit,2mx2mx2m, Depth with 30 to 60 m. Deep 6” Dia. Bore Well
	Size of recharge pits :	RWH Pits with bore Size: 2.0 m. X 2.0 m. X 2.0 m , & depth 30 to 60 m Deep 6” Dia. Bore Well and 4 Nos of soak pits pit:1.0 m. X 1.0 m. X 1.0 m
	Budgetary allocation (Capital cost) :	5.0
	Budgetary allocation (O & M cost) :	0.25
	Details of UGT tanks if any :	Underground tanks = 1)Domestic-91cum 2)Flushing-73 3)Fire-200 cum

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35.Storm water drainage	**Natural water drainage pattern:**	divert into Municipal drain
	Quantity of storm water:	160 cum/hr
	Size of SWD:	300
Sewage and Waste water	**Sewage generation in KLD:**	103
	STP technology:	MBBR
	Capacity of STP (CMD):	115 KLD
	Location & area of the STP:	Below ground
	Budgetary allocation (Capital cost):	52 Lacs
	Budgetary allocation (O & M cost):	6.5 Lacs

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	• Waste generation from labor camp: 22.5 Kg/Day • Excavated debris: 6312 m3
	Disposal of the construction waste debris:	• This material shall be used for back filling and leveling of the plot and remaining will be disposed to authorized sites, • Construction debris:- construction waste will be partly reused for backfilling, counterweight of raft, road works and landscaping etc and partly disposed off to designed dumping site
Waste generation in the operation Phase:	**Dry waste:**	365 kg/day
	Wet waste:	243 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	38.94 Kg/day
	Others if any:	NA
Mode of Disposal of waste:	**Dry waste:**	handed over to authorized recyclers.
	Wet waste:	Handle through OWC machine
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	use as manure
	Others if any:	NA
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	30 sq.m
	Area for machinery:	5.0 sq.m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	14.0 Lacs
	O & M cost:	4.0 Lacs/Annum

37.Effluent Charecterestics

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Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable
41.Source of Fuel		Not applicable		
42.Mode of Transportation of fuel to site		Not applicable		

43.Green Belt Development	**Total RG area :**	388.04 sq.m
	No of trees to be cut :	NA
	Number of trees to be planted :	70
	List of proposed native trees :	enclosed as annexure
	Timeline for completion of plantation :	before completion of project

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azardiractha indica	Neem	06	Shady tree for roadside plantation and has medicinal uses
2	Pongamia Pinnata	Karanj	06	Ornamental plant with medicinal value

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3	Mimusops Elengi	BAKUL	06	Flowery tree, the seeds, leaves and flowers all have medicinal value.
4	Michelia champaca	Sonchapha	09	Conical tree with fragrant flowers
5	Peltopherum	Copper Pod	03	Shady tree for roadside plantation
6	Cassia fistula	Indian Labrenum	03	Native, deciduous, medicinal value
7	Lagerstromia indica	Taman	09	Deciduous tree, spreading type.with purple flowers
8	Mangifera indica	Mango	03	Fruit Bearing Tree, native, evergreen, attracts birds & insects, cultural significance
9	Butea monosperma	Palas	06	Fruit bearing tree, Large tree, medicinal plant,Bird host plant.
10	Saraca indica	Sita Ashok	06	Medium sized fruit bearing tree, medicinal plant-good source of calcium and vitamin C.
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	ANNEXURE	ANNEXURE	ANNEXURE

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	11 KVA
	DG set as Power back-up during construction phase	25 KVA
	During Operation phase (Connected load):	2296 KW
	During Operation phase (Demand load):	1941KVA
	Transformer:	03 nos. 630 KVA & 1 X 315 KVA
	DG set as Power back-up during operation phase:	250 KVA
	Fuel used:	(Diesel)- 42.57 lit./hr
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

- Auto Timer control for external & Common lighting
- Use of CFL / LED lamps in all public/ common areas.
- Solar powered water heating .
- Electronic V3F Drives for Elevators

49.Detail calculations & % of saving:

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Serial Number	Energy Conservation Measures	Saving %
1	Auto Timer control for external & Common lighting • Use of CFL / LED lamps in all public/ common areas. • Solar powered water heating . • Electronic V3F Drives for Elevators	20 %

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	45.00 Lacs
	O & M cost:	4.00Lacs

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Drinking water	as per Drinking water standard	2.0
2	Sanitation	pH, BOD, COD, SS	4.0
3	Health Check Up	TB, Blood check up, ECG, dengue etc	4.0

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewerage Treatment Plant	pH, BOB, COD, TSS etc	52.0	6.50
2	Rain Water Harvesting	Oil & Grease, pH ETC	5.0	0.25
3	Solid waste Mangement	Wet & dry Waste	14.0	4.0
4	Energy Saving Measures	Solar, non conventional Appliances	45.0	4.0
5	Greenbelt Development	Plantations	9.2	1.2

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

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	Nos. of the junction to the main road & design of confluence:	Two
Parking details:	**Number and area of basement:**	Two parking floor
	Number and area of podia:	NA
	Total Parking area:	8450.00 Sq.m
	Area per car:	12.5 sq.m
	Area per car:	12.5 sq.m
	Number of 2-Wheelers as approved by competent authority:	100
	Number of 4-Wheelers as approved by competent authority:	340 no
	Public Transport:	Local Buses
	Width of all Internal roads (m):	min 6.0 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8 (a) -B2
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

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SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-

Ground water parameters	-
Solid Waste Management	-
Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

PP remained **absent**. The proposal was **deferred.**

DECISION OF SEAC

PP remained **absent**. The proposal was **deferred.**

Specific Conditions by SEAC:

FINAL RECOMMENDATION

Kindly find SEIAA decision above.

SEAC-AGENDA-0000000271

SEAC Meeting number: 88 **Meeting Date** May 29, 2019

Subject: Environment Clearance for Environment Clearance for Proposed Residential Development at Plot No.1, (Old S.No. 337 (P)), S.No. 288, at Maan, Hinjewadi, Pune by New World Realty LLP.

Is a Violation Case: No

1.Name of Project	Environment Clearance for Proposed Residential Development at Plot No.1, (Old S.No. 337 (P)), S.No. 288, at Maan, Hinjewadi, Pune by New World Realty LLP.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Vineet Goyal M/s. New World Realty LLP.
4.Name of Consultant	Vk environmental LLP
5.Type of project	Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	Amendment in EC
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Environmental clearance has been obtained viz. No. SEAC III/CR-228/TC-3 dated: 8th April 2015.
8.Location of the project	Plot No.1, (Old S.No 337 (P)),S.No. 288, at Maan, Hinjewadi, Pune.
9.Taluka	Haveli
10.Village	Maan
Correspondence Name:	Mr. Vineet Goyal
Room Number:	A-102
Floor:	A-102
Building Name:	ICC Trade Towers
Road/Street Name:	Senapati Bapat Road
Locality:	Senapati Bapat Road
City:	Pune
11.Area of the project	PMRDA
12.IOD/IOA/Concession/Plan Approval Number	Sanction has been obtained from PMRDA
	IOD/IOA/Concession/Plan Approval Number: C.R.No. 2349/15-16
	Approved Built-up Area: 38822
13.Note on the initiated work (If applicable)	Construction work is in progress as per EC received.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	32376 m2
16.Deductions	1138.67 m2
17.Net Plot area	22490.88 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 38795.80
	b) Non FSI area (sq. m.): 46749.87
	c) Total BUA area (sq. m.): 85546
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 38822
	Approved Non FSI area (sq. m.): 46749.87
	Date of Approval: 13-04-2016
19.Total ground coverage (m2)	7139.59
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	31.74
21.Estimated cost of the project	1990000000

22.Number of buildings & its configuration

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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building A	B+S+21	65.85
2	Building B	B+S+14	42.90
3	Building C	B+S+14	42.90
4	Building D	P+14	42.90
5	Building E	B+S+13	42.90
6	Clubhouse	G+1	6

23.Number of tenants and shops	Residential tenements: 593
24.Number of expected residents / users	Residential Users: 2965
25.Tenant density per hectare	183.16 tenants/hectare.
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Fire engine will be accessed from existing 36 m wide Hinjewadi Phase II road. Nearest fire station: Hinjewadi Phase III. Nearest Fire Station Distance : 1.40 Km
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Minimum 9 m
29.Existing structure (s) if any	Construction work is in progress as per EC received.
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

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Dry season:	**Source of water**	Maan Grampanchayat
	Fresh water (CMD):	267
	Recycled water - Flushing (CMD):	133
	Recycled water - Gardening (CMD):	59
	Swimming pool make up (Cum):	5
	Total Water Requirement (CMD) :	464
	Fire fighting - Underground water tank(CMD):	100
	Fire fighting - Overhead water tank(CMD):	300
	Excess treated water	168
Wet season:	**Source of water**	Maan Grampanchayat
	Fresh water (CMD):	267
	Recycled water - Flushing (CMD):	133
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	5
	Total Water Requirement (CMD) :	405
	Fire fighting - Underground water tank(CMD):	100
	Fire fighting - Overhead water tank(CMD):	300
	Excess treated water	227
Details of Swimming pool (If any)	Area of Swimming Pool: 120 m2 Water requirement for make up in KLD : 5.0 kld Details of Plant & Machinery used for treatment of Swimming Pool water: Filters, membrane dosing pump, chlorination unit along with the entire setup for water filtration and control panels. Details of quality to be achieved for swimming pool water :Parameters to be monitored :The pH and Chlorine content of the swimming pool water after treatment will be maintained as follows: pH = 7.5 Chlorine content =1.00-1.5 ppm.	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total

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Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	6.5 BGL
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	6
	Size of recharge pits :	1. No of Recharge Shafts with Borewell:3 Dimension: Minimum 1.2 m diameter & 3.5 m below intake level 2. No of Recharge shafts: 3 Dimension: Minimum 1.0 m in diameter & 5 m in depth
	Budgetary allocation (Capital cost) :	600000
	Budgetary allocation (O & M cost) :	100000
	Details of UGT tanks if any :	Domestic water tank: 392.17 m3 Flushing ware compartment: 130.72 m3 Fire water compartment:100 m3
35.Storm water drainage	**Natural water drainage pattern:**	The site has its lowest point of contour at South-East direction. In order to cater to the storm water surface run-offs during construction, sedimentation basin has been planed at the lowest point of contour of the site.
	Quantity of storm water:	3.55 m3/min
	Size of SWD:	600 mm
Sewage and Waste water	**Sewage generation in KLD:**	360
	STP technology:	Phytorid
	Capacity of STP (CMD):	1 STP of 370 kld
	Location & area of the STP:	On ground
	Budgetary allocation (Capital cost):	14520000/-
	Budgetary allocation (O & M cost):	400000/-

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	20Kg/day from labours
	Disposal of the construction waste debris:	The construction waste generated during construction shall be segregated, reused on site and surplus shall be led to scrap dealers for recycling.
Waste generation in the operation Phase:	**Dry waste:**	593
	Wet waste:	889
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	30 kg/day
	Others if any:	E waste: 4 kg/day

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Mode of Disposal of waste:	**Dry waste:**	Dry waste will be segregated into recyclable and non-recyclable waste. Dry waste will be managed and disposed by authorized agency of waste pickers SWaCH.
	Wet waste:	Biodegradable waste will be treated through on-site Organic Waste Converter.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Dried sludge will be used as Mannure
	Others if any:	E waste will be collected and disposed by authorized vendor
Area requirement:	**Location(s):**	On ground
	Area for the storage of waste & other material:	Total area: 90 sqm
	Area for machinery:	Total area: 90 sqm
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	16,75,000/-
	O & M cost:	6,67,000 /-

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

Amount of effluent generation (CMD):	Not applicable
Capacity of the ETP:	Not applicable
Amount of treated effluent recycled :	Not applicable
Amount of water send to the CETP:	Not applicable
Membership of CETP (if require):	Not applicable
Note on ETP technology to be used	Not applicable
Disposal of the ETP sludge	Not applicable

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable

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41.Source of Fuel	Not applicable
42.Mode of Transportation of fuel to site	Not applicable

43.Green Belt Development	**Total RG area :**	9170 sqm
	No of trees to be cut :	0, As per earlier EC received, New trees has been planted on site
	Number of trees to be planted :	78, As per earlier EC received, Few trees has been already planted on site
	List of proposed native trees :	Please refer below list
	Timeline for completion of plantation :	Till operational phase

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Albizia lebbeck	Shirish	7	Fast growing shady, Semi-deciduous tree
2	Pongamia Pinnata	Pongam tree	7	Large deciduous tree
3	Millingtonia hortensis	Indian Cork Tree	8	Evergreen, flowering tree
4	Cassia fistula	amaltas	19	Deciduous, flowering, hardy tree
5	Eryathrina indica	Indian coral tree	6	Deciduous, flowering and ornamental tree
6	Artocarpus heterophyllus	Jackfruit	6	Tropical to subtropical evergreen tree
7	Azadiracta indica	Neem	7	Medium, deciduous, fast-growing evergreen tree
8	Plumeria alba	Frangipani	6	Medium size, Ornamental, flowering tree
9	Bauhinia blakeana	Hong kong orchid tree	3	Medium size, evergreen flowering tree
10	Cassia spectabilis	Yellow shower	3	Evergreen flowering tree, with spreading crown
11	Ficus benjamnia	Java fig	3	Large, graceful, evergreen tree
12	Saraca asoca	Sita ashok	3	Beautiful foliage and fragrant flowers
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	NA	NA	NA

47.Energy

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Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	100 KW
	DG set as Power back-up during construction phase	1 DG set of 125 KVA
	During Operation phase (Connected load):	3577.25 KW
	During Operation phase (Demand load):	2703.98 KW
	Transformer:	5 nos. X 630 KVA
	DG set as Power back-up during operation phase:	2 DG sets of 320 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Energy saving due to solar :i.e. (1 % of demand load)

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar hot water	27 kw

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	1167500
	O & M cost:	100000

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Erosion control – dust suppression measures, barricading and top soil preservation	8,64,000
2	Land	Labour Camp toilets & sanitation	4,80,000
3	Health and Safety	Labour Safety Equipments and training	4,00,000/-
4	facility	Disinfection and Health Check-ups	51,000/-

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5	Environment Management	Environmental Monitoring	1,82,500/-

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	1 STP	1,45,20,000	4,00,000
2	Solid Waste Management	1 OWC	16,75,000	6,67,000
3	Landscaping	Development and Maintenance	180,60,000	21,67,000
4	Rain Water Harvesting	Recharge pits with bore well	6,00,000	1,00,00
5	Environmental Monitoring	Air,Noise,water,soil,OWC mannure	-	1,85,600
6	Swimming pool	Swimming pool	25,00,000	9,00,000
7	Solar water heating system	Solar Water heater	1,1,67,500	1,00,000
8	Water treatment plant	Water tratment plant	8,00,000	7,30,000

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	The project site is located at Hinjewadi area. The development will be accessible from existing 36 m wide Hinjewadi Phase II road & 15m wide road while the internal access ways are 9 m wide.

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Parking details:	**Number and area of basement:**	1
	Number and area of podia:	NA
	Total Parking area:	6112.80
	Area per car:	12.5 sqm
	Area per car:	12.5 sqm
	Number of 2-Wheelers as approved by competent authority:	889
	Number of 4-Wheelers as approved by competent authority:	227
	Public Transport:	NA
	Width of all Internal roads (m):	6m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	Building and construction
	Court cases pending if any	NA
	Other Relevant Informations	Project is Residential project.
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

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SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-

Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

PP submitted their application for prior Environmental clearance for total plot area of 32376 m2, FSI area of 38795.80 m2, Non FSI area of 46749.87 m2 and total BUA of 85546 m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B2.

DECISION OF SEAC

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During discussion following points emerged:

1. PP has proposed CER for Rs, 24 lakh considering this as brown field project. As no completion is received yet, this should be treated as a green field project and CER amount shall be recalculated accordingly. PP to propose realistic cost for tree plantation. PP has proposed 25 solar street lights for cost of Rs. 20 Lakh. PP to justify the cost showing authority. PP to explore the possibility of erecting electric crematorium in the nearby village.

2. PP to submit debris management plan including (a) debris required for refilling, (b) contour plan, (c) details of site where excess debris will be disposed, capacity of the site and NOC of plot owner. PP shall also ensure that debris disposed on other plot shall not be disposed on another plot. If to be disposed on another plot, the same shall be carried out as per prevailing environmental laws.

3. PP to submit environmental management plan.

4. PP to submit UGT sections.

5. PP to submit following NOCs : (a) water supply, (b) drainage (c) CFO.

6. PP to revise RG area calculations considering swimming pool. PP to submit survival report of 116 number of existing trees to be retained. PP to submit undertaking and details for 111 number of trees transplantation.

PP requested for time to submit the information sought; after deliberations committee asked PP to ***comply with*** *the observations and submit information to the committee for further discussion and consideration of SEAC.*

Specific Conditions by SEAC:

FINAL RECOMMENDATION

SEAC-III decided to defer the proposal.Kindly find SEAC decision above.

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88 SEAC-3 Day 02

SEAC Meeting number: 88 **Meeting Date** May 29, 2019

Subject: Environment Clearance for Residential Project

Is a Violation Case: No

1.Name of Project	Eves Garden
2.Type of institution	Private
3.Name of Project Proponent	Mr. Kishor Sancheti (M/s. Sancheti Properties)
4.Name of Consultant	Sneha Hi-Tech products
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Survey no. 34/1A/1, Keshav Nagar
9.Taluka	Haveli
10.Village	Mundhwa
Correspondence Name:	Mr. Kishor Sancheti
Room Number:	401
Floor:	-
Building Name:	Renata Chambers, 2145
Road/Street Name:	N. C. Phadke Chowk
Locality:	Sadashiv Peth
City:	Pune
11.Area of the project	Town Planning
12.IOD/IOA/Concession/Plan Approval Number	Plan was approved for the area of 26,719.11 sq.m. on 19th Jan 2015
	IOD/IOA/Concession/Plan Approval Number: PMN/NA/SR/520/14
	Approved Built-up Area: 53505.06
13.Note on the initiated work (If applicable)	We had started construction on 14.03.2011 because at that time BUA was below 20,000 sq.m. Our plan was approved for the area of 13,601.48 sq.m. on 05.07.2011, this plan was revised on 21.04.2012. Details of construction work is A building having area approx. 2821 sq.m. Construction of building B1, B2, C1 & C2 is completed up to fourth floor.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	22,000 sq.m.
16.Deductions	3849.56 sq.m.
17.Net Plot area	18,150.44 sq.m.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 25941.26
	b) Non FSI area (sq. m.): 27563.80
	c) Total BUA area (sq. m.): 53505.06
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 25941.26
	Approved Non FSI area (sq. m.): 27563.80
	Date of Approval: 19-01-2015
19.Total ground coverage (m2)	3204.74
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	17.66
21.Estimated cost of the project	850000000

22.Number of buildings & its configuration

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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building A	Lower Parking+Ground Parking+11 Upper Floors	35.95
2	Building B-Wing B 1 to B4	Lower Parking+Ground Parking+11 Upper Floors	35.95
3	Building B-Wing B 1 to B4	Lower Parking+Ground Parking+11 Upper Floors	35.95
4	Building C - Wing C1 & C2	Lower Parking+Upper Parking+11 Upper Floors	35.95

23.Number of tenants and shops	No. of Flats: 471 nos., Commercial area: 245.24 sq.m.
24.Number of expected residents / users	Residential: 2355, commercial: 82, Total users: 2437
25.Tenant density per hectare	250/H
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	9 m wide DP road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	Building A having area approx. 2821 sq.m. constructed on site. Construction of building B1, B2, C1 & C2 is completed up to fourth floor.
30.Details of the demolition with disposal (If applicable)	Project does not involve any demolition work.

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

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Dry season:	**Source of water**	Grampanchayat/ Recycled water
	Fresh water (CMD):	214
	Recycled water - Flushing (CMD):	108
	Recycled water - Gardening (CMD):	11
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	333
	Fire fighting - Underground water tank(CMD):	250
	Fire fighting - Overhead water tank(CMD):	-
	Excess treated water	182
Wet season:	**Source of water**	Grampanchayat/ Recycled water
	Fresh water (CMD):	214
	Recycled water - Flushing (CMD):	108
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	322
	Fire fighting - Underground water tank(CMD):	250
	Fire fighting - Overhead water tank(CMD):	-
	Excess treated water	193
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	10 m
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	12
	Size of recharge pits :	5m x 3m x 2m
	Budgetary allocation (Capital cost) :	Rs. 13.74 lakhs
	Budgetary allocation (O & M cost) :	Rs. 1.8 lakhs/annum
	Details of UGT tanks if any :	Fire Fighting tank: 250 cum Domestic water tank: 329 cum Flushing water tank:110 cum
35.Storm water drainage	**Natural water drainage pattern:**	Northeast to southwest slope
	Quantity of storm water:	703 m3/hr
	Size of SWD:	450 mm x 600 mm
Sewage and Waste water	**Sewage generation in KLD:**	301 m3/day
	STP technology:	MBBR
	Capacity of STP (CMD):	1 STP of 301 m3/day
	Location & area of the STP:	At lower level
	Budgetary allocation (Capital cost):	Rs. 51 lakhs
	Budgetary allocation (O & M cost):	Rs. 20.95 lakhs/annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	30 kg/day
	Disposal of the construction waste debris:	Excavation soil will be used for backfiling in low-lying areas within the plot, leveling purpose.
Waste generation in the operation Phase:	**Dry waste:**	436 kg/day
	Wet waste:	644 kg/day
	Hazardous waste:	5-6 lit/month used DG oil
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	3.41 kg/day
	Others if any:	NA

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Mode of Disposal of waste:	**Dry waste:**	Handed over to authorized recycler for further handling and disposal
	Wet waste:	Will be converted to compost using Organic Waste Processor (OWP) modle no. 500 & Model no. 200. Composting manure will be used for gardening purpose.
	Hazardous waste:	Handed over to MPCB authorized vendor
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be used as manure for gardening
	Others if any:	NA
Area requirement:	**Location(s):**	On Ground
	Area for the storage of waste & other material:	35 sq.m.
	Area for machinery:	35 sq.m.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 25 Lakhs
	O & M cost:	Rs. 6 Lakhs/annum

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

Amount of effluent generation (CMD):	Not applicable
Capacity of the ETP:	Not applicable
Amount of treated effluent recycled :	Not applicable
Amount of water send to the CETP:	Not applicable
Membership of CETP (if require):	Not applicable
Note on ETP technology to be used	Not applicable
Disposal of the ETP sludge	Not applicable

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable
41.Source of Fuel		Not applicable		

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42.Mode of Transportation of fuel to site	Not applicable

43.Green Belt Development	**Total RG area :**	2899.96 sq.m.
	No of trees to be cut :	0
	Number of trees to be planted :	269
	List of proposed native trees :	As per following table
	Timeline for completion of plantation :	Before completion of project

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Saraca asoka	Sita Ashok	10	Shady tree with red-yellow flowers
2	Bauhinia purpurea	Rakta Chandan	25	Medium sized evergreen tree Ornamental plant
3	Azardiracta indica	Neem	30	Large tree, good for roadside plantation
4	Cassia fistula	Golden Shower tree	30	Medium sized medicinal & ornamental plant
5	Michelia champaca	Son chafa	54	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
6	Tabebuia pink	Tabebuia pink	10	The nector of Tabebuia flowers is an important food source for several species of bees and humming birds
7	Lagerstromia indica	Crape myrtle	30	Flowering & ornamental tree, medicinal use
8	Cocos nucifera	Coconut	7	Fruit bearing , commercial use
9	Plumeria alba	Chafa	3	Medium sized flowering plant
10	Mangifera indica	Mango	20	Fruit bearing, evergreen & commercial value
11	Psidum guajava	Guava	25	Fruit bearing, Evergreen
12	Manikara cumini	Chikoo	25	Fruit bearing, Evergreen & shade giving
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	NA	NA	NA

47.Energy

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Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	75 KW
	DG set as Power back-up during construction phase	100 KW
	During Operation phase (Connected load):	2890 KW
	During Operation phase (Demand load):	2184 KW
	Transformer:	4 nos. 630 KVA
	DG set as Power back-up during operation phase:	1 DG set of 160 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

1. Auto Timer control external & common lighting
2. Use of CFL / LED lamps in all public/ common areas
3. Solar powered water heating
4. Electronic VVF drives for Elevators

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Timer Logic Controller	22443 KWH / Annum
2	Electronic VVF drives for Lifts	19605 KWH / Annum
3	Solar Water Heater	819540 KWH/Annum

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 102 Lakhs
	O & M cost:	Rs. 2.55 Lakhs/annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water for dust supression	To control air pollution	4
2	Site Sanitation, disinfection & safety	To maintain hygienic condition	6.5

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3	Environmental Monitoring	Air, water, noise and soil analysis	3
4	Health Check up	To check fitness of workers	3.2

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	To treat sewage	51	20.95
2	Environment Monitoring	Air, water, noise and soil analysis	-	5.07
3	Energy saving	For use of solar energy system, CFL/LED lamps, Electronic VVF drive lifts	102	2.55
4	Tree Plantation	For green area development	50	10
5	Solid Waste Management	To treat biodegradable solid waste	25	6
6	Rain Water Harvesting	To harvest rain water	13.74	1.80

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Site is near to Manjari raod

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Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	9437.68
	Area per car:	30 sq.m.
	Area per car:	30 sq.m.
	Number of 2-Wheelers as approved by competent authority:	Required: 687, Provided: 687
	Number of 4-Wheelers as approved by competent authority:	Required: 127, Provided: 127
	Public Transport:	NA
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8 (a), B2
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

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SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-

Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

PP submitted their application for prior Environmental clearance for total plot area of 22,000 m2, FSI area of 25941.26 m2, Non FSI area of 27563.80 m2 and total BUA of 53505.06 m2.

The PP informed that they have carried out construction work more than 20000 m2 onsite, this amounting to violation of Environment (Protection) Act, 1986 r.w. EIA Notification 2006, amended till date.

DECISION OF SEAC

The Committee noted that the PP has not applied within the prescribed period as per the MoEF&CC Notification dated 14/03/2017, 8/03/2018 and concerned office memoranda issued from time to time.

In view of above, the Committee decided to **refer the proposal to SEIAA** for further decision.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

Kindly find SEAC decision above.

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SEAC Meeting number: 88 **Meeting Date** May 29, 2019

Subject: Environment Clearance for Proposed Residential project at S. No.134/A/1A/1A, Plot no. 2, Hadapsar, Pune

Is a Violation Case: No

1.Name of Project	Kumar Paradise
2.Type of institution	Private
3.Name of Project Proponent	Kevin Properties
4.Name of Consultant	Sneha Hi tech Products
5.Type of project	Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in existing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	S. No.134/A/1A/1A, Plot no. 2, Hadapsar, Pune
9.Taluka	Haveli
10.Village	Hadapsar
Correspondence Name:	Kevin Properties
Room Number:	---
Floor:	1st floor
Building Name:	Kumar Properties
Road/Street Name:	2413, East street
Locality:	Camp
City:	Pune
11.Area of the project	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Received
	IOD/IOA/Concession/Plan Approval Number: Sanction layout no. 1219/18 D.P.O/Zone no. 5 dated 26.07.2018
	Approved Built-up Area: 46984.96
13.Note on the initiated work (If applicable)	30053.27 Sq.m. area has been constructed as per sanction no. CC/0629/04 dated 18TH May 2004 & CC/1135/06 dated 28th June 2006.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Completion certificate for A1, A2, B1, Fire NOC, Water NOC & Drainage NOC
15.Total Plot Area (sq. m.)	28,023 Sq. m.
16.Deductions	11,649.05 Sq. m.
17.Net Plot area	16,373.95 Sq. m.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 24,295.36 Sq. m.
	b) Non FSI area (sq. m.): 22689.60 Sq. m.
	c) Total BUA area (sq. m.): 46984.96
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 24,295.36 Sq. m.
	Approved Non FSI area (sq. m.): 22689.60 Sq. m.
	Date of Approval: 26-07-2018
19.Total ground coverage (m2)	5,908.20 Sq. m.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	21%
21.Estimated cost of the project	596310000

22.Number of buildings & its configuration

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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	2 Buildings	P + 9 floors	29.85
2	1 Building	2P + 11 floors	38.058
3	3 Buildings	2P + 11 floors	38.342
4	Club house	G	----

23.Number of tenants and shops	370 no. of tenements
24.Number of expected residents / users	1850 nos.
25.Tenant density per hectare	226 tenents/Ha
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	24 m wide road & 12 m wide DP road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	NA
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

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Dry season:	**Source of water**	PMC / Recycled water
	Fresh water (CMD):	225 m3/day
	Recycled water - Flushing (CMD):	25 m3/day
	Recycled water - Gardening (CMD):	28 m3/day
	Swimming pool make up (Cum):	3.25 m3/day
	Total Water Requirement (CMD) :	278 m3/day
	Fire fighting - Underground water tank(CMD):	300 m3
	Fire fighting - Overhead water tank(CMD):	20 m3 per building
	Excess treated water	36 m3/day
Wet season:	**Source of water**	PMC / Recycled water
	Fresh water (CMD):	225 m3/day
	Recycled water - Flushing (CMD):	25 m3/day
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	3.25 m3/day
	Total Water Requirement (CMD) :	250 m3/day
	Fire fighting - Underground water tank(CMD):	300 m3
	Fire fighting - Overhead water tank(CMD):	20 m3 per building
	Excess treated water	64 m3/day
Details of Swimming pool (If any)	Area of Swimming pool: 53.78 sq.m. Capacity of swimming pool: 65 m3/day Make up water requirement: 3.25 m3/day	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	6-7 m below gorund level
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	7 nos.
	Size of recharge pits :	1.5 m x 1.5 m x 2 m (depth)
	Budgetary allocation (Capital cost) :	Rs.17.50 lakhs
	Budgetary allocation (O & M cost) :	Rs. 0.51 akhs per annum
	Details of UGT tanks if any :	Domestic UGT: 375 m3 Fire UGT: 300 m3
35.Storm water drainage	**Natural water drainage pattern:**	Towards west side of the project
	Quantity of storm water:	0.33 cum/sec
	Size of SWD:	450 mm x 300 mm
Sewage and Waste water	**Sewage generation in KLD:**	225 m3/day
	STP technology:	MBBR
	Capacity of STP (CMD):	2 nos. with total capacity 100 m3/day
	Location & area of the STP:	66 sq.m.
	Budgetary allocation (Capital cost):	Rs. 38 Lakh
	Budgetary allocation (O & M cost):	Rs. 10 Lakh/year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Excavated material, Empty cement bags, steel, packaging material, Aggregates
	Disposal of the construction waste debris:	Top soil (fertile soil) will be store separately & re-use for landscape purpose. Carefully handling of paints, oil. Excavated material (debris) used in levelling, internal road making. Empty cement bags, packaging material will be given to recyclers.
Waste generation in the operation Phase:	**Dry waste:**	370 kg/day
	Wet waste:	555 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	11 kg/day
	Others if any:	E Waste- Residential -0.5 kg/year per person (925 Kg/annum)

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Mode of Disposal of waste:	**Dry waste:**	Handed over to agency for further handling & disposal purpose
	Wet waste:	Wet waste will be processed in composter to obtain manure
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	To be used as manure for gardening purpose or will be disposed off as per CPHEEO manual on sewerage
	Others if any:	E Waste-Handed over to authorized recycler for further handling & disposal purpose
Area requirement:	**Location(s):**	As per master layout
	Area for the storage of waste & other material:	15 sq. m.
	Area for machinery:	55 sq. m.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.18.75 Lakh
	O & M cost:	Rs. 4.28 Lakh/year

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

Amount of effluent generation (CMD):	Not applicable
Capacity of the ETP:	Not applicable
Amount of treated effluent recycled :	Not applicable
Amount of water send to the CETP:	Not applicable
Membership of CETP (if require):	Not applicable
Note on ETP technology to be used	Not applicable
Disposal of the ETP sludge	Not applicable

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable

41.Source of Fuel	Not applicable
42.Mode of Transportation of fuel to site	Not applicable

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43.Green Belt Development	**Total RG area :**	1822.11 sq. m.
	No of trees to be cut :	0
	Number of trees to be planted :	235 nos.
	List of proposed native trees :	Provided
	Timeline for completion of plantation :	6 month after Project Completion

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Albizia lebbeck	Shirish	14	Shady tree, yellowish green fragrant flowers
2	Azadiracta indica	Neem	25	Large tree, good for roadside plantation
3	Ailanthus excelsa	Maharukh	10	Large tree, good for roadside plantation
4	Ficus retusa	Nandruk	15	Shady tree, good for roadside plantation
5	Pongamia pinnata	Karanj	15	Shady tree
6	Saraca asoka	Sita Ashok	12	Shady tree with red-yellow flowers.
7	Bombax ceiba	Katesavar	10	Large tree, red flowers.
8	Cassia fistula	Bahava	12	Medium sized deciduous tree, Beautiful yellow flowers, Butterfly host plant
9	Mimusops elengi	Bakul	20	Shady tree, small white fragrant flowers
10	Nyctanthes arbor-tristis	Parijatak	10	Small deciduous fast growing tree, beautiful flowrers.
11	Lagerstroemia flos-regineae	Tamhan	10	State flower tree of Maharashtra, Medium sized tree, beautiful purple flowers
12	Murraya paniculata	Kunti	15	Small tree, Fragrant white flowers, Butterfly host plant
13	Gmelina arborea	Shivan	25	Fast growing tree with beautiful yellow flowers
14	Bauhinia racemosa	Apta	15	Small tree with small white flowers, Butterfly host plant
15	Artocarpus Heterophyllus	Jackfruit	12	Fruit bearing tree
16	Mangifera Indica	Mango	15	Evergreen with huge canopy and fruit bearing tree
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	NA	NA	NA

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47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	116 .25kVA
	DG set as Power back-up during construction phase	125 kVA*1 no.
	During Operation phase (Connected load):	2154 KW
	During Operation phase (Demand load):	1317 kVA
	Transformer:	630 KVA x 2 + 315 KVA X 2
	DG set as Power back-up during operation phase:	(320 KVA x 1)+ (160KVA X 1)
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	yes

48.Energy saving by non-conventional method:

LED, LOW LOSS TRANSF., TIMER, VFD, SOLAR WATER , SOLAR PV - 404555 KWH

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	LED, LOW LOSS TRANSF., TIMER, VFD, SOLAR WATER , SOLAR PV	15.05%

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 82.10 Lakh
	O & M cost:	Rs. 4.58 Lakh/year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water For Dust Suppression	1.00
2	Air Environment	Air & Noise Monitoring	0.2
3	Water Environment	Tanker Water For Construction	4.5
4	Water Environment	Water Monitoring	0.5

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5	Land Environment	Site Sanitation, mobile toilets	4.5
6	Socio-Economic Environment	Disinfection- Pest Control, First Aid Facilities, Health Check Up, Personal Protective Equipment	1.5

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP	STP cost considered	38	10
2	Solid Waste Management	To treat wet waste, cost of OWC's are considered	18.75	4.28
3	Landscape	As required by the authorities to help environment	17.95	1.8
4	Energy	With all said energy saving measures like solar panels and solar water heaters	82.10	4.58
5	Environmental Monitoring	Air, Noise, Water, Effluent tests as per government norms	NA	2.5
6	Safety	Safety equipments	NA	3.50
7	Safety	Safety equipments	NA	3.50

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	4 nos. of junctions to the main road

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Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	3625 sq.m.
	Area per car:	12.5 m
	Area per car:	12.5 m
	Number of 2-Wheelers as approved by competent authority:	-
	Number of 4-Wheelers as approved by competent authority:	290 nos.
	Public Transport:	Available
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8 (a), B2
	Court cases pending if any	NA
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	Satisfactory.
Water Budget	Satisfactory.
Waste Water Treatment	Satisfactory.
Drainage pattern of the project	Satisfactory.
Ground water parameters	Satisfactory.
Solid Waste Management	Satisfactory.

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Air Quality & Noise Level issues	Satisfactory.
Energy Management	Satisfactory.
Traffic circulation system and risk assessment	Satisfactory.
Landscape Plan	Satisfactory.
Disaster management system and risk assessment	Satisfactory.
Socioeconomic impact assessment	Satisfactory.
Environmental Management Plan	Satisfactory.
Any other issues related to environmental sustainability	Satisfactory.

Brief information of the project by SEAC

PP submitted their application for prior Environmental clearance for total plot area of 28,023 m2, FSI area of 24,295.36 m2, Non FSI area of 22689.60 m2 and total BUA of 46984.96 m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B2.

DECISION OF SEAC

*SEAC decided to **recommend** the proposal for prior environmental Clearance.*

Specific Conditions by SEAC:

FINAL RECOMMENDATION

SEAC-III have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions

SEAC AGENDA 0000000271

SEAC Meeting number: 88 **Meeting Date** May 29, 2019

Subject: Environment Clearance for Proposed Construction Project at S. No. 7(P), Village Dhanori, Taluka- Haveli, Dist.- Pune by Life Seasons Development LLP

Is a Violation Case: No

1.Name of Project	Proposed Construction Project at S. No. 7(P), Village Dhanori, Taluka- Haveli, Dist.- Pune by Life Seasons Development LLP
2.Type of institution	Private
3.Name of Project Proponent	Sagar Gandhi
4.Name of Consultant	MITCON Consultancy & Engineering Services Ltd.
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	S. No. 7(P)
9.Taluka	Haveli
10.Village	Dhanori
Correspondence Name:	Sagar Gandhi
Room Number:	557/A/11B/1
Floor:	Office 6
Building Name:	Sadgurukrupa Building
Road/Street Name:	Salisbury Park, Behind Golden Embrald Hotel
Locality:	Gultekadi
City:	Pune
11.Area of the project	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	PLANS NOT APPROVED AS OF YET
	IOD/IOA/Concession/Plan Approval Number: PLANS NOT APPROVED AS OF YET
	Approved Built-up Area: 22697.46
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	PLANS NOT APPROVED AS OF YET
15.Total Plot Area (sq. m.)	8900.0 Sq. m.
16.Deductions	2690.0 Sq. m.
17.Net Plot area	6210.0 Sq. m.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 15346.29
	b) Non FSI area (sq. m.): 7351.17
	c) Total BUA area (sq. m.): 22697.46
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 15346.29
	Approved Non FSI area (sq. m.): 7351.17
	Date of Approval: 01-01-1900
19.Total ground coverage (m2)	1847.24
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	29.98
21.Estimated cost of the project	350000000

22.Number of buildings & its configuration

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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building A	B1+G+12	34.20
2	Building B	B1+G+11	31.35

23.Number of tenants and shops	299 Tenements
24.Number of expected residents / users	1495
25.Tenant density per hectare	250
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	18.0 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.0 m
29.Existing structure (s) if any	NA
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

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Dry season:	**Source of water**	PMC
	Fresh water (CMD):	134.5
	Recycled water - Flushing (CMD):	67.2
	Recycled water - Gardening (CMD):	6.0
	Swimming pool make up (Cum):	0.0
	Total Water Requirement (CMD) :	207.7
	Fire fighting - Underground water tank(CMD):	120
	Fire fighting - Overhead water tank(CMD):	265.9
	Excess treated water	121.05
Wet season:	**Source of water**	PMC
	Fresh water (CMD):	134.5
	Recycled water - Flushing (CMD):	67.2
	Recycled water - Gardening (CMD):	0.0
	Swimming pool make up (Cum):	0.0
	Total Water Requirement (CMD) :	201.7
	Fire fighting - Underground water tank(CMD):	120
	Fire fighting - Overhead water tank(CMD):	265.9
	Excess treated water	121.05
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	0	207.7	207.7	0	20.8	20.8	0	187.0	187.0
Gardening	0	6.0	6.0	0	6.0	6.0	0	0	0
Fresh water requirement	0	134.5	134.5	0	13.45	13.45	0	121.05	121.05

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	15-20 m bgl
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	5 Nos.
	Size of recharge pits :	2 m x 2 m x 2 m
	Budgetary allocation (Capital cost) :	2.0 Lakhs
	Budgetary allocation (O & M cost) :	0.5 Lakhs/annum
	Details of UGT tanks if any :	1. BLDG 'A' – 1,93,00 ltr 2. BLDG 'B' – 1,20,000 ltr
35.Storm water drainage	**Natural water drainage pattern:**	As per Hydrogeo Report & contour plan
	Quantity of storm water:	5.54 Cu.m./Min.
	Size of SWD:	450 mm x 450 mm
Sewage and Waste water	**Sewage generation in KLD:**	187.0
	STP technology:	MBBR
	Capacity of STP (CMD):	1 No. of STP having 190 cmd capacity
	Location & area of the STP:	North East Corner of Plot having area of 100 Sq. m.
	Budgetary allocation (Capital cost):	45.0 Lakhs
	Budgetary allocation (O & M cost):	5.0 Lakhs/Annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Domestic Waste: 20.0 Kg/d, Excavation quantity= 9670.03 Cu. m.
	Disposal of the construction waste debris:	Will be used within site for back filing & levelling
Waste generation in the operation Phase:	**Dry waste:**	179.4 Kg/d
	Wet waste:	418.6 Kg/d
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	11.4 Kg/d
	Others if any:	E Waste= 149.5 Kg/year

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Mode of Disposal of waste:	**Dry waste:**	Will be handed over to authorized vendor 'Swach' for further disposal
	Wet waste:	Will be treated in OWC & manure will be used for greenbelt/landscape
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be used as manure for greenbelt/landscape
	Others if any:	E Waste will be handed over to authorized vendor 'Swach' for further disposal
Area requirement:	**Location(s):**	Bottom left corner of plot
	Area for the storage of waste & other material:	20.0 Sq. m.
	Area for machinery:	40.0 Sq. m.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	15.0 Lakhs
	O & M cost:	6.25 Lakhs/Annum

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	DG Set	Diesel= 45.9 Lit/hr.	1	2.5	0.2	150 degree celcius

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel	0	45.9 Lit/hr.	45.9 Lit/hr.
41.Source of Fuel		Local Vendor		
42.Mode of Transportation of fuel to site		By Road		

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43.Green Belt Development	**Total RG area :**	621.04 Sq. m.
	No of trees to be cut :	0
	Number of trees to be planted :	80
	List of proposed native trees :	Attached
	Timeline for completion of plantation :	After completion of project

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Cassia fistula	Bahava	10	Flowering Plant
2	Roystonea regia	Royal Palm	10	Beautification
3	Ailathus excelsa	Maharukh	10	Beautification
4	Simarouba glauca	Laxmi Taru	10	Medicinal Value
5	Polyalthia longifolia	Ashoka	10	Medicinal Value
6	Azadirachta indica	Neem	10	Medicinal Value
7	Millettia Pinnata	Karanj	10	Medicinal Value
8	Mangifera indica	Mango	10	Fruit bearing
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	NA	NA	NA

47.Energy

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Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	65 KW
	DG set as Power back-up during construction phase	1 No. x 82.2 KVA
	During Operation phase (Connected load):	1339 KW
	During Operation phase (Demand load):	670 KW
	Transformer:	1 No. x 630 KVA
	DG set as Power back-up during operation phase:	1 No. x 200 KVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Use of LED's, Solar Lamps, Solar PV Panels & Solar Water Heating.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Use of LED's, Solar Lamps, Solar PV Panels & Solar Water Heating	35 %

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
DG Set	Not applicable	Stack & Acoustic Enclosure

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	58.2 Lakhs
	O & M cost:	0.75 Lakhs/annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Environmental monitoring	PM10, PM2.5, SO2, NOx, CO, noise level, Analysis of water for physical, chemical, biological parameters	2.0
2	Air Environment	Water For Dust Suppression	1.0
3	Site Sanitation	Site Sanitation	1.0
4	Disinfection	Pest Control	1.5
5	First Aid Facilities	First Aid Facilities	2.0

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6	Health Check Up	Health Check Up	1.5
7	Personal protective equipment	Personal protective equipment	5.0

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Environmental Monitoring	Ambient Air quality, Noise Level, Exhaust from DG Set, Drinking Water, Sewage from STP, As per EP act, Manure	0	3.5
2	Water	RWH	2.0	0.5
3	Water	STP	45.0	5.0
4	Energy	Solar PV Cells	58.2	0.75
5	Land Environment	Gardening	10.0	2.0
6	Solid Waste	Solid Waste Management	15.0	6.25

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	One

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Parking details:	**Number and area of basement:**	1 No.
	Number and area of podia:	NA
	Total Parking area:	5749.50 Sq. m.
	Area per car:	12.5 Sq. m.
	Area per car:	12.5 Sq. m.
	Number of 2-Wheelers as approved by competent authority:	Scooters= 633, Cycles= 429
	Number of 4-Wheelers as approved by competent authority:	261
	Public Transport:	PMC Buses available
	Width of all Internal roads (m):	Min. 6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8(a)- Building & Construction Projects
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-

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Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

PP submitted their application for prior Environmental clearance for total plot area of 8900 m2, FSI area of 15346.29 m2, Non FSI area of 7351.17 m2 and total BUA of 22697.46 m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B2.

DECISION OF SEAC

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During discussion following points emerged:

1. PP to revise fire tender movement plan showing clear width and services by removing obstructions if any. PP to submit cross sections indicating clear height of 6 m below the balcony and the drive way shall be clear of this projection.

2. PP to submit revised parking layout plan for basement and ground floor with minimum 5 m drive way width at all the places.

3. PP to submit basement approval and basement ventilation plan.

4. PP to submit parking statement showing total number of parking required and proposed as per DCR with area per car as per norms.

5. PP to submit debris management plan including (a) debris required for refilling, (b) contour plan, (c) details of site where excess debris will be disposed, capacity of the site and NOC of plot owner. PP shall also ensure that debris disposed on other plot shall not be disposed on another plot. If to be disposed on another plot, the same shall be carried out as per prevailing environmental laws.

6. PP to submit sections of recharge pits and UGT.

7. PP to submit following NOCs : (a) water supply, (b) drainage (c) CFO (d) Garden

8. PP to submit master layout superimposing all environmental parameters.

9. PP to revise RG plan by showing plantation on open space and not on periphery. PP to add local native fruit bearing trees in plantation plan.

*PP requested for time to submit the information sought; after deliberations committee asked PP to **comply with** the observations and submit information to the committee for further discussion and consideration of SEAC.*

Specific Conditions by SEAC:

FINAL RECOMMENDATION

SEAC-III decided to defer the proposal.Kindly find SEAC decision above.

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88 SEAC-3 Day 02

SEAC Meeting number: 88 **Meeting Date** May 29, 2019

Subject: Environment Clearance for Proposed Residential project at S. no. 178(P) & 179(P)

Is a Violation Case: No

1.Name of Project	Residential Project
2.Type of institution	Private
3.Name of Project Proponent	Mr. Manish Vimalkumar Jain
4.Name of Consultant	Sheha Hi-Tech Products
5.Type of project	Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	New
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	S. no. 178(P) & 179(P)
9.Taluka	Haveli
10.Village	Hadapsar
Correspondence Name:	Mr. Manish Vimalkumar Jain
Room Number:	-
Floor:	1st floor
Building Name:	Kumar Capital
Road/Street Name:	2413, East Street
Locality:	Camp
City:	Pune
11.Area of the project	Pune Municipal COrporation
12.IOD/IOA/Concession/Plan Approval Number	Received
	IOD/IOA/Concession/Plan Approval Number: Sanction Layout no. CC/3548/18 sheet no 1 dated 13/02/2019
	Approved Built-up Area: 144257.07
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	MHADA building included in sanction layout
15.Total Plot Area (sq. m.)	40,500 sq. m.
16.Deductions	6,075 sq. m
17.Net Plot area	34,425 sq. m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 84,463.77 sq. m.
	b) Non FSI area (sq. m.): 59,793.30 sq. m.
	c) Total BUA area (sq. m.): 144257.07
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 84,463.77 sq. m.
	Approved Non FSI area (sq. m.): 59,793.30 sq. m.
	Date of Approval: 13-02-2019
19.Total ground coverage (m2)	16,041.04 sq. m.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	40%
21.Estimated cost of the project	1894840000

22.Number of buildings & its configuration

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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	2 Buildings	P+24 floors	77.22
2	2 Buildings	P+23 floors	74.17
3	1 Building (MHADA)	P+15 floors	48.00
4	2 nos. of club House	G + 1 floor	6.00
5	parking,clubhouse, gymnasium and multipurpose hall	B+2P+1	15.00

23.Number of tenants and shops	1094 nos.
24.Number of expected residents / users	5470 nos.
25.Tenant density per hectare	270/Ha
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	15 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	Yes
30.Details of the demolition with disposal (If applicable)	It will be demolished. Glass and Aluminium will be reused and other material will be used for plinth filling and road work within the project site.

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

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Dry season:	**Source of water**	PMC /Recycled water
	Fresh water (CMD):	492 m3/day
	Recycled water - Flushing (CMD):	246 m3/day
	Recycled water - Gardening (CMD):	24 m3/day
	Swimming pool make up (Cum):	18 m3/day
	Total Water Requirement (CMD) :	762 m3/day
	Fire fighting - Underground water tank(CMD):	350 m3
	Fire fighting - Overhead water tank(CMD):	100 m3
	Excess treated water	361 m3/day
Wet season:	**Source of water**	PMC /Recycled water
	Fresh water (CMD):	492 m3/day
	Recycled water - Flushing (CMD):	246 m3/day
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	18 m3/day
	Total Water Requirement (CMD) :	738 m3/day
	Fire fighting - Underground water tank(CMD):	350 m3
	Fire fighting - Overhead water tank(CMD):	100 m3
	Excess treated water	386 m3/day
Details of Swimming pool (If any)	1. swimming pool with dimensions of 383 sq.m. X 1.2 m depth 2. Water requirement per day: 18 m3/day	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Post Monsoon: 5 to 7 m below ground level & Pre Monsoon: 15 to 20 m below ground level
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	8 nos.
	Size of recharge pits :	2 m x 2 m x 1.5 m
	Budgetary allocation (Capital cost) :	Rs. 16 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 2.40 Lakhs/year
	Details of UGT tanks if any :	Drinking UGT: 206 m3/day Domestic UGT: 533 m3/day Fire UCT: 350 m3/day
35.Storm water drainage	**Natural water drainage pattern:**	As per contour slope
	Quantity of storm water:	0.50 m3/sec
	Size of SWD:	450 mm x 300 mm
Sewage and Waste water	**Sewage generation in KLD:**	665 m3/day
	STP technology:	MBBR
	Capacity of STP (CMD):	2 nos of STP, 1 no. x 580 KLD (Residential) and 1 no. x 95 KLD (MHADA)
	Location & area of the STP:	Location is as per master layout ; 1) 290 Sq. m. 2) 50 Sq. m.
	Budgetary allocation (Capital cost):	Rs. 187 Lakhs
	Budgetary allocation (O & M cost):	Rs. 32.83 Lakhs/year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Excavated material, Empty cement bags, steel, packaging material, Aggregates
	Disposal of the construction waste debris:	Top soil (fertile soil) will be store separately & re-use for landscape purpose. Carefully handling of paints, oil. Excavated material (debris) used in levelling, internal road making. Empty cement bags, packaging material will be given to recyclers.
Waste generation in the operation Phase:	**Dry waste:**	1094 kg/day
	Wet waste:	1641 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	101 kg/day
	Others if any:	E Waste for Residential - 0.5 kg/year/person

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Mode of Disposal of waste:	**Dry waste:**	Handed over to agency for further handling & disposal
	Wet waste:	Wet waste will be processed in composter to obtain manure
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	To be used as manure for gardening purpose or will be disposed off as per CPHEEO manual on sewerage
	Others if any:	E Waste-Handed over to authorized recycler for further handling & disposal purpose
Area requirement:	**Location(s):**	Locations are as per master layout
	Area for the storage of waste & other material:	26 sq. m.
	Area for machinery:	108 sq. m.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 44 Lakh
	O & M cost:	Rs. 10.89 Lakhs/year

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable
41.Source of Fuel		Not applicable		
42.Mode of Transportation of fuel to site		Not applicable		

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43.Green Belt Development	**Total RG area :**	4050
	No of trees to be cut :	NA
	Number of trees to be planted :	450 nos. - existing + proposed
	List of proposed native trees :	Shirish, Neem,Maharukh,Nandruk,Karanj,Sita Asoka,Katesavar,Bahava,Bakul,Parijatak,Taman,Kunti,shivan,Apta,chiku,Mango
	Timeline for completion of plantation :	tree plantation before completion

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Albizia lebbeck	Shirish	24	shadt tree with yellow green frangent flowers
2	Azadiracta indica	Neem	39	Large tree, good for roadside plantantion,have medicinal values
3	Ailanthus excelsa	Maharukh	18	Large tree, good for roadside plantation
4	Ficus retusa	Nandruk	35	shady tree, good for roadside plantation
5	Pongamia pinnata	Karanj	20	Shadty tree
6	Saraca asoka	Sita Ashok	33	Shady tree with red-yellow flowers.
7	Bombax ceiba	Katesavar	20	Large tree, red flowers.
8	Cassia fistula	Bahava	36	Medium sized deciduous tree.
9	Mimusops elengi	Bakul	41	Medium sized tree, beautiful purple flowers
10	Nyctanthes arbor-tristis	Parijatak	18	small sized deciduous tree.Fragrant flowers, Medicinal value
11	Lagerstroemia flos-regineae	Tamhan	20	State flower tree of Maharashtra,Medium sized tree, beautiful purple flowers
12	Murraya paniculata	Kunti	15	Small tree, Fragrant white flowers, Butterfly host plant
13	Gmelina arborea	Shivan	32	fast growing deciduous tree with yellow flower, medical use tree
14	Bauhinia racemosa	Apta	19	Small tree with small white flowers
15	Manilkara Zapota	Chiku	34	Fruit bearing tree
16	Mangifera Indica	Mango	46	Evergreen with huge canopy and fruit bearing tree
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	NA	NA	NA

47.Energy

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Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	116.25 kVA
	DG set as Power back-up during construction phase	1 no. 125 kVA
	During Operation phase (Connected load):	6107 KW
	During Operation phase (Demand load):	3375 kVA
	Transformer:	630 KVA X 6 nos.
	DG set as Power back-up during operation phase:	180 KVA X 1 no. + 400 KVA X 1 no.
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	Yes

48.Energy saving by non-conventional method:

1 LED fixtures Against Conventional CFL/T8 fixture with Electronic Ballast for Common Area.
2. Low Loss Transformer Against Conventional Transformer
3. Solar Water Heater Against Electrical water Heater
4. Solar PV cell
5. Automatic Timer logic controller for lighting Control Against No timer Control

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	LED fixtures, Low loss transformers, Solar water heater, Solar PV cell & Automatic Timer logic controller for lighting Control	15.44%

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Effluent	Not applicable	STP
Biodegradable waste	Not applicable	OWC
DG Set	Not applicable	Installing DG Set which compiles to CPCB norms.

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 131.00 Lakhs
	O & M cost:	Rs. 6.29 Lakhs/year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air	Water For Dust Suppression , Air & Noise Monitoring	2.0

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2	Water	Tanker Water For Construction, Water Monitoring	3.0
3	Land	Site Sanitation	1.50
4	Socio-Economic	Disinfection- Pest Control, First Aid Facilities, Health Check Up, Personal Protective Equipment	5.00
5	Environment Monitoring	Air, Water, Noise & DG Stack	0.60

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP	STP cost considered	187.00	32.83
2	Solid Waste Management	To assure proper disposal of Dry and Wet Waste, 1 no OWC will be provided	44.00	10.89
3	Landscape	As required by the authorities to help environment	38.60	2.50
4	Energy	With all said energy saving measures like solar panels and solar water heaters	131.00	6.29
5	Environmental Monitoring	Air,Noise,Water,Effluent tests as per government norms	NA	2.00
6	Safety	Safety equipments	NA	3.50

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	2 nos.

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Parking details:	**Number and area of basement:**	1 no. with area 8098.55 sq. m
	Number and area of podia:	2 levels of podium with area 16397.10 sq. m.
	Total Parking area:	16175 sq. m.
	Area per car:	12.50 sq. m.
	Area per car:	12.50 sq. m.
	Number of 2-Wheelers as approved by competent authority:	-
	Number of 4-Wheelers as approved by competent authority:	1294 nos.
	Public Transport:	Available
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8a (B2)
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	Satisfactory.
Water Budget	Satisfactory.
Waste Water Treatment	Satisfactory.
Drainage pattern of the project	Satisfactory.
Ground water parameters	Satisfactory.
Solid Waste Management	Satisfactory.

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Air Quality & Noise Level issues	Satisfactory.
Energy Management	Satisfactory.
Traffic circulation system and risk assessment	Satisfactory.
Landscape Plan	Satisfactory.
Disaster management system and risk assessment	Satisfactory.
Socioeconomic impact assessment	Satisfactory.
Environmental Management Plan	Satisfactory.
Any other issues related to environmental sustainability	Satisfactory.

Brief information of the project by SEAC

PP submitted their application for prior Environmental clearance for total plot area of 40500 m2, FSI area of 84463.77 m2, Non FSI area of 59793.30 m2 and total BUA of 144257.07 m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B2.

DECISION OF SEAC

SEAC-AGENDA-0000000271

During discussion following points emerged:

1. In CER, PP has proposed renovation of 2 nallas costing Rs. 284.22 lakh. This is job of local authority hence not allowed. PP to replace the same with other activities beneficial to community like plantation, donating ambulance, electric crematorium, providing drinking water facility to schools etc.

2. PP to submit energy saving calculations.

*SEAC decided to **recommend** the proposal for prior environmental Clearance, subject to PP complying with the above condition.*

Specific Conditions by SEAC:

1) In CER, PP has proposed renovation of 2 nallas costing Rs. 284.22 lakh. This is job of local authority hence not allowed. PP to replace the same with other activities beneficial to community like plantation, donating ambulance, electric crematorium, providing drinking water facility to schools etc.
2) PP to submit energy saving calculations.

FINAL RECOMMENDATION

SEAC-III have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions

SEAC-AGENDA-0000000271

SEAC Meeting number: 88 **Meeting Date** May 29, 2019

Subject: Environment Clearance for Environment Clearance for project by M/s Classic Promoters & Builders Pvt Ltd.

Is a Violation Case: No

1.Name of Project	Mudra
2.Type of institution	Private
3.Name of Project Proponent	Mr. Atul Chordia
4.Name of Consultant	M/s. JV Analytical Services
5.Type of project	Residential & Commercial
6.New project/expansion in existing project/modernization/diversification in existing project	Amendment (expansion)
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes
8.Location of the project	S No. 685/1, C.T.S.No 1760, Village – Munjeri Bibwewadi, Tehsil Haveli, Dist - Pune.
9.Taluka	Haveli
10.Village	Munjeri Bibwewadi
Correspondence Name:	Mr. Atul Chordia
Room Number:	-
Floor:	Level 8,
Building Name:	Solitaire World,
Road/Street Name:	Mumbai-Bangalore Highway,
Locality:	Baner,
City:	Pune - 411045
11.Area of the project	Pune Municipal Corporation (PMC)
12.IOD/IOA/Concession/Plan Approval Number	Received
	IOD/IOA/Concession/Plan Approval Number: CC/3169/18
	Approved Built-up Area: 45550.74
13.Note on the initiated work (If applicable)	44199.46 m2 (As per old EC dated 27/11/2018)
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	11970.90 m2
16.Deductions	2460.38 m2
17.Net Plot area	9510.52 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 25284.78 m2
	b) Non FSI area (sq. m.): 23416.37 m2
	c) Total BUA area (sq. m.): 48701.15
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 25284.78
	Approved Non FSI area (sq. m.): 19890.98
	Date of Approval: 11-01-2019
19.Total ground coverage (m2)	2754.46 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	23.00 % of Total Plot Area (11970.90 m2) , 28.96% of Net plot Area (9510.52 m2)
21.Estimated cost of the project	2000000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)

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1	A	2P+Stilt+16	59.96 m
2	B	2P+Stilt+17	64.00 m
3	C	2P+Stilt+20	69.95 m
4	WING A-Commercial (2224.79 m2)	P+G+1FL	8.60 m

23.Number of tenants and shops	Total Tenements – 188 Nos. SHOP – 10 Nos. OFFICES – 26 Nos.
24.Number of expected residents / users	Residential Users: 940 Nos. Commercial Users: 527 Nos. Total Users: 1467
25.Tenant density per hectare	110
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	45 M
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.0 M
29.Existing structure (s) if any	Not Applicable
30.Details of the demolition with disposal (If applicable)	Not Applicable

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

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Dry season:	**Source of water**	PMC
	Fresh water (CMD):	100.94 m3/day
	Recycled water - Flushing (CMD):	55.47 m3/day
	Recycled water - Gardening (CMD):	30 m3/day
	Swimming pool make up (Cum):	5.8 m3/day
	Total Water Requirement (CMD) :	186.41 m3/day (One Time)
	Fire fighting - Underground water tank(CMD):	300 m3
	Fire fighting - Overhead water tank(CMD):	60 m3
	Excess treated water	58.23 m3/day
Wet season:	**Source of water**	PMC
	Fresh water (CMD):	100.94 m3/day
	Recycled water - Flushing (CMD):	55.47 m3/day
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	5.8 m3/day
	Total Water Requirement (CMD) :	156.41 m3/day (One Time)
	Fire fighting - Underground water tank(CMD):	300 m3
	Fire fighting - Overhead water tank(CMD):	60 m3
	Excess treated water	88.23 m3/day
Details of Swimming pool (If any)	Dimension of Swimming Pool: 6.70 m x 6.12 m x 1.05 m Total water Requirement in KLD:42 m3 Water requirement in KLD:5.8 m3/day Details of Plant & Machinery used for treatment of Swimming pool water: Details of quality to be achieved for swimming pool water and parameters to be monitored: • Budgetary allocation (Capital cost and O & M cost)-• Capital cost: Rs. 9.50 Lakh O& M Cost :Rs. 1.68 Lakh/Year	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	2.5 m to 3.5 m below ground level
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	04 nos.
	Size of recharge pits :	3.0m x 3.0m x 3.0m
	Budgetary allocation (Capital cost) :	Rs. 14 Lakh
	Budgetary allocation (O & M cost) :	Rs.0.25 Lakh /Year
	Details of UGT tanks if any :	Domestic UG tank Capacity: 140 m3 Flushing UG tank Capacity: 82 m3 Fire UG tank Capacity: 300 m3.
35.Storm water drainage	**Natural water drainage pattern:**	-
	Quantity of storm water:	386.68 m3/Hr
	Size of SWD:	600 MM
Sewage and Waste water	**Sewage generation in KLD:**	143.7 m3/day
	STP technology:	MBBR
	Capacity of STP (CMD):	1 no -145 m3/day
	Location & area of the STP:	103.32 m2
	Budgetary allocation (Capital cost):	Rs. 50 Lakh
	Budgetary allocation (O & M cost):	Rs. 11.17 Lakh/ Year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	25 kg/day
	Disposal of the construction waste debris:	Use for Leveling
Waste generation in the operation Phase:	**Dry waste:**	267.05 kg/day
	Wet waste:	334.70 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	12.93 (100% Dry)
	Others if any:	-

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Mode of Disposal of waste:	**Dry waste:**	SWACH
	Wet waste:	Organic Waste Convertor
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Used as Manure after treatment in OWC
	Others if any:	-
Area requirement:	**Location(s):**	-
	Area for the storage of waste & other material:	50 m2
	Area for machinery:	-
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.12.75 Lakh
	O & M cost:	Rs. 3.87 Lakh/ Year

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	DG SET - 320KVA	HSD- 23.5 lit/hr	1	7.5 m	-	-
2	DG SET - 625KVA	HSD- 66.6 lit/hr	2	7.5 m	-	-
3	DG SET - 82.5KVA	HSD -19.5 lit/hr	3	7.5 m	-	-

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	Not applicable	109.60 lit/hr (23.5+66.6+19.5 lit/hr)	109.60 lit/hr

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41.Source of Fuel	Bharat Petroleum Corporation Limited/Hindustan Petroleum
42.Mode of Transportation of fuel to site	By roadway

43.Green Belt Development	**Total RG area :**	1158 m2
	No of trees to be cut :	NA
	Number of trees to be planted :	116 Nos
	List of proposed native trees :	116 Nos
	Timeline for completion of plantation :	Before completion

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Anthocephalus cadamba	Kadamb	31	Medicinal value, To control soil erosion,Birds, squirrels, monkey eat fruits.
2	Bauhinia acuminata candida	Apta	02	Every part of plant is medicinal, Drought tolerant species
3	Cassia fistula	Bahava	06	Medicinal value, Drought tolerant species, Very ornamental, Well flowering plant, Honey bee attracting species, Host plant for Butterfly
4	Dillenia indica	Karmal	04	Drought tolerant species, Edible Fruits, Well flowering plant, Honey bee attracting species, Host plant for Butterfly
5	Terminalia Catappa	Badam	09	Native, Fragrant flowers, Attracts insects
6	Azadirachta Indica	Neem	30	Medicinal value, Fragrant flowers, Butterfly larvae host plant, Bird attracting species, Fast growing
7	Plumeria alba	Dev chafa	02	Flowering, Fast Growing, Hardy, Ornamental form
8	Butea monosperma	Palas	09	Native, Drought tolerant specie, Hardy, Flowering, attracts birds & insects
9	Phoenix sylvestris	Shindi Palm	10	Native hardy, drought tolerant, fruit bearing, attracts birds and insects
10	Artocarpus heterophyllus	Jackfruit	13	Evergreen, Fruit Bearing trees, Large leaves, Native
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	-	-	-

47.Energy

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Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	50 kw
	DG set as Power back-up during construction phase	82.5 KVA
	During Operation phase (Connected load):	2289 KW
	During Operation phase (Demand load):	1780 KVA
	Transformer:	630 KVA x 3 nos
	DG set as Power back-up during operation phase:	320 KVA – 1 No. , 625 KVA – 1 No. , 82.5 KVA -1 No.
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	no

48.Energy saving by non-conventional method:

Improvement in Power Quality of the installation is achieved by
To keep Unity Power Factor we will install Automatic Power Factor Capacitor Bank.
To reduce harmonics losses (less than 5 %) we will add RC filters.

High efficiency options for the equipments to be used

High efficiency Motors, Transformers will be used to reduce losses.

Design Optimization for the electro mechanical systems

Strategic location of Transformers, DG Set for radial power distributions.
Appropriate rating selection as per requirement for the equipment's.
Advanced Operational Logic's for Control Systems.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total Energy Saving	72 %

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air	Part Tree Plantation Completed.	Remaining Green belt will be Completed After Construction.provided.
Water	STP OF capacity 200 KLD is installed &excess treated water used for flushing &gardening	---
Noise	Acoustically enclosed DG set is installed	Noise monitoring will be done in once a fortnight. Traffic manageent plan to be prepared.
Solid Waste	-	Wet Waste will be treated in OWC. STP sludge will be Used as Manure after treatment in OWC Dry Waste will be given to SWACH

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Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.19.16 lakh
	O & M cost:	Rs. 0.38 Lakh/Year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water for Dust Suppression Air & Noise Monitoring	0.50 Lakh/Year
2	Water Environment	Tanker Water for Construction Water Monitoring	0.50 Lakh/Year
3	Land Environment	Site Sanitation –Mobile toilets	0.50 Lakh/Year
4	Socio-economic	Disinfection- Pest Control First Aid Facilities Health Check Up Creches For Children Food for children Personal Protective Equipment	1.0 Lakh/Year

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP	Sewage Treatment plant	50.00	11.17
2	RWH	Rain Water Harvesting	14.0	0.25
3	MSW	owc	12.75	3.87
4	Solar System	Solar System	19.16	0.38
5	Landscaping	Landscaping	160.0	4.22
6	Swimming Pool	Swimming Pool	9.50	1.68
7	Safety Equipments	Safety Equipments	10	2.00
8	Post E C Monitoring	Post E C Monitoring	-	2.50
9	Dry Waste Management	Dry Waste Management	-	1.12

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

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53.Traffic Management		
	Nos. of the junction to the main road & design of confluence:	-
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	-
	Total Parking area:	15900 m2
	Area per car:	Covered parking – 30 m2 Open parking – 25 m2
	Area per car:	Covered parking – 30 m2 Open parking – 25 m2
	Number of 2-Wheelers as approved by competent authority:	665
	Number of 4-Wheelers as approved by competent authority:	448
	Public Transport:	-
	Width of all Internal roads (m):	7 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	B2
	Court cases pending if any	NA
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	Satisfactory.
Water Budget	Satisfactory.
Waste Water Treatment	Satisfactory.

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Drainage pattern of the project	Satisfactory.
Ground water parameters	Satisfactory.
Solid Waste Management	Satisfactory.
Air Quality & Noise Level issues	Satisfactory.
Energy Management	Satisfactory.
Traffic circulation system and risk assessment	Satisfactory.
Landscape Plan	Satisfactory.
Disaster management system and risk assessment	Satisfactory.
Socioeconomic impact assessment	Satisfactory.
Environmental Management Plan	Satisfactory.
Any other issues related to environmental sustainability	Satisfactory.

Brief information of the project by SEAC

PP submitted their application for prior Environmental clearance for total plot area of 11970.90 m2, FSI area of 25284.78 m2, Non FSI area of 23416.37 m2 and total BUA of 48701.15 m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B2.

DECISION OF SEAC

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During discussion following points emerged:

1. In CER, PP has proposed school building development of a private trust. PP to replace the same with asset creation activities for municipal school or government agency.

2. Addition of parking is shown as 39 however, only 5 have been accommodated. PP to submit revised parking plan clearly indicating the area for extra parking accommodated.

*SEAC decided to **recommend** the proposal for prior environmental Clearance, subject to PP complying with the above condition.*

Specific Conditions by SEAC:

1) In CER, PP has proposed school building development of a private trust. PP to replace the same with asset creation activities for municipal school or government agency.
2) Addition of parking is shown as 39 however, only 5 have been accommodated. PP to submit revised parking plan clearly indicating the area for extra parking accommodated.

FINAL RECOMMENDATION

SEAC-III have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions

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SEAC Meeting number: 88 **Meeting Date** May 29, 2019

Subject: Environment Clearance for Proposed Commercial project (IT Building) at S.No. 102/1/1Part/1,102/1/1Part/1,102/1/1Part/1,102/1/1/2,102/1/1/3,102/1/2,102/1/2,102/1/3,102/1/4/1,102/1/4/2,102/1/4/4, Baner, Pune by Bedi Infrastructure Pvt. Ltd.

Is a Violation Case: No

1.Name of Project	Proposed Commercial project (IT Building) at S.No. 102/1/1Part/1,102/1/1Part/1,102/1/1Part/1,102/1/1/2,102/1/1/3,102/1/2,102/1/2,102/1/3,102/1/4/1,102/1/4/2,102/1/4/4, Baner, Pune by Bedi Infrastructure Pvt. Ltd.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Rahul Bankar
4.Name of Consultant	VK:e Environmental LLP
5.Type of project	New Commercial project
6.New project/expansion in existing project/modernization/diversification in existing project	New Commercial project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	S. No 102/1/1Part/1, 102/1/1Part/1, 102/1/1Part/1, 102/1/1/2,102/1/1/3, 102/1/2,102/1/2, 102/1/3, 102/1/4/1, 102/1/4/2,102/1/4/4, Baner, Pune.
9.Taluka	Haveli
10.Village	Baner
Correspondence Name:	Mr. Rahul Bankar
Room Number:	NA
Floor:	Ground
Building Name:	Amar House
Road/Street Name:	S.No. 892, Bhandarkar Road
Locality:	Deccan Gymkhana
City:	Pune 411004
11.Area of the project	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Under Process
	IOD/IOA/Concession/Plan Approval Number: 00
	Approved Built-up Area: 00
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	12154 Sq.m
16.Deductions	1386 Sq.m
17.Net Plot area	10768 Sq.m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 32303.40
	b) Non FSI area (sq. m.): 23217.05
	c) Total BUA area (sq. m.): 55520
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 00
	Approved Non FSI area (sq. m.): 00
	Date of Approval: 07-05-2019
19.Total ground coverage (m2)	3884.44
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	36.07
21.Estimated cost of the project	1200000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	1 Commercial building	LBP+UBP+G+ 2P + 12 Floor Commercial Offices	53.7

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23.Number of tenants and shops	12 Offices
24.Number of expected residents / users	Total commercial population 3152
25.Tenant density per hectare	Not applicable as it is a commercial project, only floating population will be there.
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Project is accessible from 12 m wide service road and 60 m Mumbai-Pune Bypass road. Nearest fire station is Aundh fire station: 4.8 Km
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Minimum 6m Driveway & 9m Turning radius is provided.
29.Existing structure (s) if any	NA
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

Dry season:	**Source of water**	Pune Municipal Corporation
	Fresh water (CMD):	79
	Recycled water - Flushing (CMD):	63
	Recycled water - Gardening (CMD):	8.5
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	151
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	25
	Excess treated water	56.5

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Wet season:	**Source of water**	Pune Municipal Corporation
	Fresh water (CMD):	79
	Recycled water - Flushing (CMD):	63
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	142
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	25
	Excess treated water	65
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Summer Season – 24.00 m. to 29.00 m. BGL. (26.50 M. Average) Rainy Season – 10.00 m. to 16.00 BGL. (13.00 M. Average) Winter Season – 17.00 m. to 22.50 m. BGL. (19.75 M. Average)
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	4 Nos. with recharge bore & 7 No. of soak pits.
	Size of recharge pits :	2.00 X 2.00 X 1.50 m. with 6” dia. 55 to 60 m. deep bore
	Budgetary allocation (Capital cost) :	Rs. 8.50 Lakh.
	Budgetary allocation (O & M cost) :	Rs. 1.00 Lakh / year.
	Details of UGT tanks if any :	Fire Tank: 200 kld Domestic: 79 ,000 ltr Flushing: 63,000 ltr

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35.Storm water drainage	**Natural water drainage pattern:**	The storm water drainage will be designed according to contours. The storm water collected through the storm water drains of adequate capacity will be led to recharge pits. Excess storm water will be discharged into common municipal storm water drainage.
	Quantity of storm water:	6,605.86 m3 / Year i.e. 132.12 m3 / Day, Considering 849.30 mm. annual rain fall in 50 days averagely.
	Size of SWD:	450mm dia PVC Foam core pipe
Sewage and Waste water	**Sewage generation in KLD:**	128
	STP technology:	MBBR
	Capacity of STP (CMD):	1 no. of STP of Capacity 130 kld
	Location & area of the STP:	On Ground near OWC, Area: 70.2 Sq.m
	Budgetary allocation (Capital cost):	Rs 41,00,000/-
	Budgetary allocation (O & M cost):	Rs 9,36,900/-
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Total waste generated: 20 Kg/day Dry Waste = 8 kg/day , Wet Waste = 12 kg / day
	Disposal of the construction waste debris:	The Construction waste generated during construction shall be segregated, reused on site and surplus shall be led to scrap dealers for recycling.
Waste generation in the operation Phase:	**Dry waste:**	472.8 kg/day
	Wet waste:	315.2 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	19.32 kg/day
	Others if any:	8.6 kg/day
Mode of Disposal of waste:	**Dry waste:**	Will be Handed over to authorized Vendor
	Wet waste:	Wet waste will be treated in Organic Waste Convertor
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Dried sludge from STP will be used as manure
	Others if any:	e waste will be handover to authorized e waste Vendor
Area requirement:	**Location(s):**	On Ground
	Area for the storage of waste & other material:	Area: 14 Sq m
	Area for machinery:	Area: 31 sq m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs 12,75,000/-
	O & M cost:	Rs 2,81,430/-
37.Effluent Charecterestics		

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Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable
41.Source of Fuel		Not applicable		
42.Mode of Transportation of fuel to site		Not applicable		

43.Green Belt Development	**Total RG area :**	1377.13 Sq.m
	No of trees to be cut :	All 6 trees will be retained.
	Number of trees to be planted :	Proposed trees 134
	List of proposed native trees :	Refer Below list
	Timeline for completion of plantation :	Till operation phase

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Ailanthus Excelsa	Maharukh	22	Good for roadside plantation and have medicinal properties
2	Anthocephallus Cadamba	Kadamb	9	Good for roadside plantation and provide shade.

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3	Polyalthia longifolia	Mini Ashok	13	Good for roadside plantation and provide shade.
4	Cassia fistula	Bahava	11	Have medicinal properties and larval host for butterflies
5	Lagerstroemia flos regineae	Tamhan	7	Good as a avenue tree, good for group planting around water gardens and ponds.
6	Azadirachta Indica	Neem	4	Good for restoration of dryer parts, good for air purifier and have medicinal properties
7	Michelia Champaca	Son chafa	11	Good for ornamental purpose
8	Albizia lebbeck	Shirish	20	Quick growing and hardy tree. Have flowers with delightful fragrance.
9	Bauhinia racemosa	Apta	12	Drought resistant, good air purifier and have medicinal properties
10	Magnifera indica	Mango	9	Good for roadside plantation and provide shade.
11	Syzizium cuminia	Jamun	7	It is beautiful evergreen tree.
12	Caryota urens	Fishtail palm	4	The palm is graceful and pretty.Moderate growth
13	Pongamia pinnata	Karanj	5	Nitrogen fixing tree and larval host for butterflies
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	NA	NA	NA

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	100 kW
	DG set as Power back-up during construction phase	125 kVA
	During Operation phase (Connected load):	5052.42 kW
	During Operation phase (Demand load):	3742.54 kVA
	Transformer:	2000 kVA x 2 Nos. and 630 kVA x 1 No.s
	DG set as Power back-up during operation phase:	2 x 1500 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

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48.Energy saving by non-conventional method:

Energy saving Solar energy generation: 10.73 %

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	LED lamps will be used for corridors ,Lobbies and common areas instead of CFL or conventional Incandescent lamp	6.18 %
2	Solar PV panel system is proposed for Street lighting & Building common lighting.	10.73%

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 16,84,000/-
	O & M cost:	Rs. 33,680/-

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Erosion control, dust suppression measures, top soil preservation	10.33
2	Land Environment	Labour camp toilets & sanitation	4.80
3	Health and safety	Labour safety & training	4
4	Health and safety	Health check up & disinfection	0.51
5	Environment Management	Environment management cell	1.70
6	Environmental Monitoring (Per Year)	Air, Water, Noise, Soil, DG set	1.82

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage treatment plant	1 STP	41	9.36
2	Organic waste management	OWC Machine	12.75	2.81
3	Landscaping	Development and Maintenance	8.04	4.23
4	Rain water harvesting	Recharge pits	8.50	1
5	Energy	PV panels for Street Light	16.84	0.33
6	Environment Monitoring	Air,water,Noise,soil,owc manure,DG,Treated water	-	1.85

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51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	The site is located in Baner Area. The development will be accessible from 12 m wide service road while the internal driveways are 7.5 m
Parking details:	**Number and area of basement:**	2 basements proposed
	Number and area of podia:	NA
	Total Parking area:	17746.71 sqm
	Area per car:	12.5
	Area per car:	12.5
	Number of 2-Wheelers as approved by competent authority:	1987
	Number of 4-Wheelers as approved by competent authority:	827
	Public Transport:	NA
	Width of all Internal roads (m):	Min 7.5 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8 a Building and Construction Project
	Court cases pending if any	NA
	Other Relevant Informations	NA

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	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	Satisfactory.
Water Budget	Satisfactory.
Waste Water Treatment	Satisfactory.
Drainage pattern of the project	Satisfactory.
Ground water parameters	Satisfactory.
Solid Waste Management	Satisfactory.
Air Quality & Noise Level issues	Satisfactory.
Energy Management	Satisfactory.
Traffic circulation system and risk assessment	Satisfactory.
Landscape Plan	Satisfactory.
Disaster management system and risk assessment	Satisfactory.
Socioeconomic impact assessment	Satisfactory.
Environmental Management Plan	Satisfactory.
Any other issues related to environmental sustainability	Satisfactory.

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Brief information of the project by SEAC

PP submitted their application for prior Environmental clearance for total plot area of 12154 m2, FSI area of 32303.40 m2, Non FSI area of 23217.05 m2 and total BUA of 55520 m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B2.

DECISION OF SEAC

During discussion following points emerged:

1. PP to submit CFO NOC.

*SEAC decided to **recommend** the proposal for prior environmental Clearance, subject to PP complying with the above condition.*

Specific Conditions by SEAC:

1) PP to submit CFO NOC.

FINAL RECOMMENDATION

SEAC-III have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions

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88 SEAC-3 Day 02

SEAC Meeting number: 88 **Meeting Date** May 29, 2019

Subject: Environment Clearance for for Proposed Commercial project at Survey No. - 30 Part, At :- Vadgaonsheri, Tal :- Haveli , Dist:- Pune by Nisarga developers

Is a Violation Case: No

1.Name of Project	for Proposed Commercial project at Survey No. - 30 Part, At :- Vadgaonsheri, Tal :- Haveli , Dist:- Pune by Nisarga developers
2.Type of institution	Private
3.Name of Project Proponent	Mr. Sunil Dhore, Nisarga developers
4.Name of Consultant	Vke environmental LLP
5.Type of project	Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	Not applicable
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Survey No. - 30 Part, At: - Vadgaonsheri, Tal: - Haveli, Dist.:- Pune.
9.Taluka	Haveli
10.Village	Vadgaonsheri
Correspondence Name:	Mr. Sunil Dhore, Nisarga developers
Room Number:	NA
Floor:	NA
Building Name:	Sapana Copiers
Road/Street Name:	Station road
Locality:	Wadgaon maval
City:	pune
11.Area of the project	PMC
12.IOD/IOA/Concession/Plan Approval Number	Under process
	IOD/IOA/Concession/Plan Approval Number: Under process
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	No work initiated on site.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	5900 sqm
16.Deductions	719.16 sqm
17.Net Plot area	5180.84 sqm
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 20723.02
	b) Non FSI area (sq. m.): 7084.22
	c) Total BUA area (sq. m.): 27807.24
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval: 09-05-2019
19.Total ground coverage (m2)	2098 sqm
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	40.49%
21.Estimated cost of the project	747500000

22.Number of buildings & its configuration

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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	1 Commercial building	B+G+12	48.70

23.Number of tenants and shops	No. of offices :12
24.Number of expected residents / users	Commercial population 2014
25.Tenant density per hectare	Not applicable as it is a commercial project, only floating population will be there.
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Project is accessible from 30 m wide DP road. Nearest fire station is Yerawada fire station : 3.00 Km
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Minimum 7.5 m Driveway & 9m Turning radius will be provided
29.Existing structure (s) if any	Old small structure is present which will be demolished.
30.Details of the demolition with disposal (If applicable)	Debris generated will be segregated and used for site leveling and road leveling.

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

Dry season:	**Source of water**	PMC
	Fresh water (CMD):	51
	Recycled water - Flushing (CMD):	40
	Recycled water - Gardening (CMD):	5
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	96
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	25
	Excess treated water	28

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Wet season:	**Source of water**	PMC
	Fresh water (CMD):	51
	Recycled water - Flushing (CMD):	40
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	91
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	25
	Excess treated water	33
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Summer Season – 18.00 m. to 22.50 m. BGL. (20.25 M. Average) Rainy Season – 5.00 m. to 11.50 BGL. (8.25 M. Average) Winter Season – 11.50 m. to 17.00 m. BGL. (14.25 M. Average)
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	3 recharge pits are proposed
	Size of recharge pits :	2.25 M. X 2.25 M. X 1.50 M.
	Budgetary allocation (Capital cost) :	3,75,000
	Budgetary allocation (O & M cost) :	20,000
	Details of UGT tanks if any :	Total UGT capacity 300 kld

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35.Storm water drainage	**Natural water drainage pattern:**	Natural water drainage pattern: The storm water drainage will be designed according to contours. The storm water collected through the storm water drains of adequate capacity will be led to recharge pits
	Quantity of storm water:	56.90 m3 / Day
	Size of SWD:	400 mm
Sewage and Waste water	**Sewage generation in KLD:**	73
	STP technology:	MBBR
	Capacity of STP (CMD):	1 STP of 80 KLD
	Location & area of the STP:	On ground Area: Approx. 60.00sq m
	Budgetary allocation (Capital cost):	32,50,000
	Budgetary allocation (O & M cost):	7,81,800
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Total waste generated: 20 Kg/day Dry Waste = 12kg/day , Wet Waste = 8kg / day
	Disposal of the construction waste debris:	The Construction waste generated during construction shall be segregated, reused on site and surplus shall be led to scrap dealers for recycling
Waste generation in the operation Phase:	**Dry waste:**	302 kg/day
	Wet waste:	201 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	11.5 kg/dy
	Others if any:	E waste : 5.5 kg/day
Mode of Disposal of waste:	**Dry waste:**	Will be Handed over to authorized Vendor
	Wet waste:	Wet waste will be treated in Organic Waste Convertor
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Dried sludge from STP will be used as manure
	Others if any:	e waste will be handover to authorized e waste Vendor
Area requirement:	**Location(s):**	On Ground
	Area for the storage of waste & other material:	Total area 36 sqm
	Area for machinery:	Total area 36 sqm
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	11.25 lacs
	O & M cost:	2.53 lacs
37.Effluent Charecterestics		

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Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable
41.Source of Fuel		Not applicable		
42.Mode of Transportation of fuel to site		Not applicable		

43.Green Belt Development	**Total RG area :**	Required open space: 519 sqm
	No of trees to be cut :	Few trees exists on site.
	Number of trees to be planted :	Refer Below list
	List of proposed native trees :	Please refer below list
	Timeline for completion of plantation :	Till operation phase

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Anthocephallus cadamba	Kadamb	15	Good for roadside plantation and provide shade
2	Cassia fistula	Bahava	11	Have medicinal properties and larval host for butterflies

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3	Lagestremia flos regineae	Tamhan	10	Good as a avenue tree, good for group planting around water gardens and ponds.
4	Azadirachta Indica	Neem	14	Good for restoration of dryer parts, good for air purifier and have medicinal properties
5	Albizia lebeck	Shiris	10	Quick growing and hardy tree. Have flowers with delightful fragrance.
6	Mangifera indica	MAngo	10	Good for roadside plantation and provide shade
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	NA	NA	NA

47.Energy

Power requirement:	**Source of power supply :**	100 Kw
	During Construction Phase: (Demand Load)	100 kw
	DG set as Power back-up during construction phase	125 KVA
	During Operation phase (Connected load):	3156.17 KW
	During Operation phase (Demand load):	2327.80 KVA
	Transformer:	1500 KVA x 2 Nos.
	DG set as Power back-up during operation phase:	1000 KVA x 2 nos.
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Solar energy generation: 1% of Demand load (20.95 KW)

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar PV and Hot water	20.95 kw

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

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Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	1048000
	O & M cost:	20000

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Erosion control, dust suppression measures, top soil preservation	466950/-
2	Land	Labour camp toilets & sanitation	4,80,000/-
3	Health and safety	Labour safety & training	4,00,000/-
4	Health and safety	Health check up & disinfection	51,000/-
5	Environment Management	Environment management cell	1,70,000/-
6	Environmental Monitoring (Per Year)	Air, Water, Noise, Soil, DG set	1,82,600/-

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage treatment plant	1 STP	32.50	7.81
2	Organic waste management	1 OWC	11.25	2.53
3	Landscaping	Development and Maintenance	2.95	1.56
4	Rain water harvesting	3 recharge pits	3.75	0.20
5	Energy	Solar PV	10.48	0.20
6	Environment Monitoring	Air,water,Noise,soil,owc manure,DG,Treated water	-	1.85

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

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	Nos. of the junction to the main road & design of confluence:	The site is located in Viman Nagar Area. The development will be accessible from 30m wide DP Road and 12m wide access/service road while the internal driveways are 7.5 m
Parking details:	**Number and area of basement:**	1 Basement
	Number and area of podia:	NA
	Total Parking area:	4591.57 sqm
	Area per car:	12.5 sqm
	Area per car:	12.5 sqm
	Number of 2-Wheelers as approved by competent authority:	376
	Number of 4-Wheelers as approved by competent authority:	185
	Public Transport:	NA
	Width of all Internal roads (m):	Min 6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	Building & construction
	Court cases pending if any	NA
	Other Relevant Informations	Commercial project
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

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SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-

Ground water parameters	-
Solid Waste Management	-
Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

PP submitted their application for prior Environmental clearance for total plot area of 5900 m2, FSI area of 20723.02 m2, Non FSI area of 7084.22 m2 and total BUA of 27807.24 m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B2.

DECISION OF SEAC

SEAC-AGENDA-0000000271

During discussion following points emerged:

1. PP to submit details internal storm water and sewage disposal up to final disposal point.

2. PP to submit basement approval plan.

3. PP to submit master layout superimposing all environmental parameters.

4. PP to submit debris management plan including (a) debris required for refilling, (b) contour plan, (c) details of site where excess debris will be disposed, capacity of the site and NOC of plot owner. PP shall also ensure that debris disposed on other plot shall not be disposed on another plot. If to be disposed on another plot, the same shall be carried out as per prevailing environmental laws.

5. PP to submit UGT sections.

6. PP to submit following NOCs : (a) water supply, (b) drainage (c) CFO (d) Garden

7. PP to submit master layout superimposing all environmental parameters.

PP requested for time to submit the information sought; after deliberations committee asked PP to ***comply with*** *the observations and submit information to the committee for further discussion and consideration of SEAC.*

Specific Conditions by SEAC:

FINAL RECOMMENDATION

SEAC-III decided to defer the proposal.Kindly find SEAC decision above.

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88 SEAC-3 Day 03

SEAC Meeting number: 88 **Meeting Date** May 30, 2019

Subject: Environment Clearance for Proposed Township Project Gatha Gram at Dehu village, Pune by Harit Landmarks LLP

Is a Violation Case: No

1.Name of Project	Gatha Gram
2.Type of institution	Private
3.Name of Project Proponent	M/s. Harit Landmarks LLP
4.Name of Consultant	Building Environment India Pvt. Ltd.
5.Type of project	Township project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Survey No. 24, 25, 26
9.Taluka	Haveli
10.Village	Dehu
Correspondence Name:	Mr. Sachin Kankaria
Room Number:	B-603
Floor:	NA
Building Name:	Orange Province
Road/Street Name:	NA
Locality:	Pimple Nilakh
City:	Pune - 411027
11.Area of the project	PMRDA
12.IOD/IOA/Concession/Plan Approval Number	Full Potential Sanction
	IOD/IOA/Concession/Plan Approval Number: In Process
	Approved Built-up Area: 431096.86
13.Note on the initiated work (If applicable)	Not applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	184500 Sq.M.
16.Deductions	14364.68 Sq.M.
17.Net Plot area	170135.32 Sq.M.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 2,63,108.76 Sq.M.
	b) Non FSI area (sq. m.): 167988.10 Sq.M.
	c) Total BUA area (sq. m.): 431096.86
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 263108.76
	Approved Non FSI area (sq. m.): 167988.10
	Date of Approval: 01-01-1900
19.Total ground coverage (m2)	36060.76
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	21.19%
21.Estimated cost of the project	4790000000

22.Number of buildings & its configuration

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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Bldg. 1 (Residential -Tower)	2P+12	39
2	Bldg. 2 (Commercial- Service Appt)	2P+5	24
3	Bldg. 3 (Commercial - Hotel)	2P+5	24
4	Bldg. 4 (Hospital Bldg.)	2P+7	32.40
5	Bldg. 5, Bldg. 6 (Commercial-offices)	2P+G+10	43.20
6	Bldg. 7, Bldg. 8, Bldg. 9 (Commercial- Retail)	2P+10	43.20
7	Bldg. 10 to Bldg. 13 (Residential Bldgs.)	2P+12	39
8	Bldg. 14 to Bldg. 35 (Residential Bldgs.)	2P+12	39
9	Bldg. 36, Bldg. 37 (Club House)	G	3.60
10	Bldg. 38 (Community Center)	G+1	9.0
11	Bldg. 39 (School Bldg.)	G+3	14.40
12	Bldg. 40 (Residential-Senior Citizen)	2P+8	30
13	Bldg. 41 to Bldg. 44 (Residential-Compact Housing)	2P+9	33
14	Bldg. 45 to Bldg. 53 (Residential-Quandra Pix)	G+2	9
15	Bldg. 55, Bldg. 56 (Commercial - Shops)	G	4.20

23.Number of tenants and shops	Residential: 2698 Nos. ; Commercial Offices: 230 Nos; Commercial shops: 268 Nos; Services Apartment- 187 Nos; Hotel - 1 No; Community Center - 1; School - 1 No; Hospital -1 No. ; Club House - 2 Nos.
24.Number of expected residents / users	Total 35244 Nos. (Residential : 12,687 Nos. + Commercial: 22,133 Nos.)
25.Tenant density per hectare	250
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	10m to 20m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9m
29.Existing structure (s) if any	Not Applicable
30.Details of the demolition with disposal (If applicable)	Not Applicable

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31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

Dry season:	**Source of water**	Maharashtra Jeevan Pradhikaran (MJP)
	Fresh water (CMD):	1510
	Recycled water - Flushing (CMD):	917
	Recycled water - Gardening (CMD):	70
	Swimming pool make up (Cum):	11.37
	Total Water Requirement (CMD) :	2497
	Fire fighting - Underground water tank(CMD):	1700
	Fire fighting - Overhead water tank(CMD):	130
	Excess treated water	978
Wet season:	**Source of water**	Maharashtra Jeevan Pradhikaran (MJP)
	Fresh water (CMD):	1510
	Recycled water - Flushing (CMD):	917
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	11.37
	Total Water Requirement (CMD) :	2427
	Fire fighting - Underground water tank(CMD):	1700
	Fire fighting - Overhead water tank(CMD):	130
	Excess treated water	1048
Details of Swimming pool (If any)	Swimming Pool Proposed: 1 No Dimensions: 25m x 12.50m ; Depth : 1.20m	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	10m
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	4 Nos.
	Size of recharge pits :	5m x 2m x 2m
	Budgetary allocation (Capital cost) :	Rs. 35 Lakh
	Budgetary allocation (O & M cost) :	Rs. 7.35 Lakh/ year
	Details of UGT tanks if any :	Total 11 Nos. of UGT proposed.
35.Storm water drainage	**Natural water drainage pattern:**	South West to North East Direction
	Quantity of storm water:	78915 Cum per year
	Size of SWD:	2 Nos. x 1200mm
Sewage and Waste water	**Sewage generation in KLD:**	2184 KLD
	STP technology:	Engineered Constructed Wetland Technology (Phytorid)
	Capacity of STP (CMD):	Total 5 Nos. of STP (1 x 1100KLD, 1 x560KLD, 1 x 400KLD, 1 x75 KLD, 1 x55 KLD capacity)
	Location & area of the STP:	Near Bldg. 1, Near Bldg. 3, Near Bldg. 38, Near Bldg. 53, Near Bldg. 35
	Budgetary allocation (Capital cost):	Rs. 750 Lakh
	Budgetary allocation (O & M cost):	Rs. 40 Lakh / year

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Debris generation: 129675.43 Cu.M.
	Disposal of the construction waste debris:	129675.43 Cu.M.Debris will be used in leveling, back-filling purpose. No any debris will be disposed out site of project site
Waste generation in the operation Phase:	**Dry waste:**	5860.55 Kg/day
	Wet waste:	5820Kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	45 Kg/day
	STP Sludge (Dry sludge):	66 Kg/day
	Others if any:	E- Waste

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Mode of Disposal of waste:	**Dry waste:**	Collected & Disposed through authorized agency (SWaCH Organisation)
	Wet waste:	Treated in Organic Waste Converter (OWC) & will be used as manure in landscape
	Hazardous waste:	NA
	Biomedical waste (If applicable):	Collected & Disposed through authorized agency
	STP Sludge (Dry sludge):	Treated in Organic Waste Converter (OWC) & will be used as manure in landscape - Total 5 Nos of OWC proposed
	Others if any:	Collected & Disposed through authorized agency
Area requirement:	**Location(s):**	Near Bldg. 38
	Area for the storage of waste & other material:	415.1 Sq.M.
	Area for machinery:	89.9 Sq.M.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 110 Lakh
	O & M cost:	Rs. 27.63 Lakh/year

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

Amount of effluent generation (CMD):	85 KLD
Capacity of the ETP:	100 KLD
Amount of treated effluent recycled :	85 KLD
Amount of water send to the CETP:	Not applicable
Membership of CETP (if require):	Not applicable
Note on ETP technology to be used	MBBR
Disposal of the ETP sludge	Not applicable

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable
41.Source of Fuel		Not applicable		

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42.Mode of Transportation of fuel to site	Not applicable

43.Green Belt Development	**Total RG area :**	41082.69 Sq.M.
	No of trees to be cut :	22 Nos.
	Number of trees to be planted :	3146 Nos.
	List of proposed native trees :	Attached
	Timeline for completion of plantation :	5 years

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Magnolea champaca	Chapha	46	Native Tree
2	Capparis divaricata	Pachunda	46	Native Tree
3	Crateva magna	Bama	46	Native Tree
4	Cochlospermum religiosa	Ganeri	46	Native Tree
5	Flacourtia indica	Athruna	46	Native Tree
6	Hydnocarpus pentaxdra	--	46	Native Tree
7	Calophyllum inophyllum	Surangi	45	Native Tree
8	Kydia calycina	Ranbhendi	45	Native Tree
9	Bombax ceiba	Kate Sawar	45	Native Tree
10	Pterospermum acirifolium	Muchkund	45	Native Tree
11	Sterculia urens	Bhut	45	Native Tree
12	Erinocarpus nimmonii	Cher	45	Native Tree
13	Grewia nervosa	Shirali	50	Native Tree
14	Aegle marmelos	Bel	50	Native Tree
15	Chloroxylon swietenia	Behru	50	Native Tree
16	Limonia acidissima	Kavath	50	Native Tree
17	Ailanthus excelsa	Maharukh	50	Native Tree
18	Boswellia serrata	Salai	50	Native Tree
19	Azadirachta indica	Kadu nimb	70	Native Tree
20	Ziziphus species	Bor	60	Native Tree
21	Schleichera oleosa	Kusumb	50	Native Tree
22	Holigarna arnottiana	Ranbiba	50	Native Tree
23	Butea monosperma	Palas	50	Native Tree
24	Dalbargia paniculata	Phansi	50	Native Tree
25	Dalbargia sisoo	Shisham	50	Native Tree
26	Erythrina stricta	Pangara	50	Native Tree
27	Pongomia pinnata	Karanj	50	Native Tree

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28	Pterocarpus marsupium	Bija	50	Native Tree
29	Bauhinia racemosa	Apta	40	Native Tree
30	Cassia fistula	Bahava	50	Native Tree
31	Tamarindus indica	Chinch	60	Native Tree
32	Acacia nilotica	Babul	50	Native Tree
33	Albizia procera	Pandhra shirish	50	Native Tree
34	Anogeisous latifolia	Dhavda	50	Native Tree
35	Terminalia bellirica	Behada	50	Native Tree
36	Terminalia chebula	Hirda	50	Native Tree
37	Syzygium cumini	Jambhul	50	Native Tree
38	Careya arborea	Kumbha	50	Native Tree
39	Lagerstroemia parviflora	Bondara	50	Native Tree
40	Lagerstroemia reginae	Taman	50	Native Tree
41	Halidina cardifolia	Haldu	50	Native Tree
42	Morinda citrifolia	Bartondi	50	Native Tree
43	Mitragyna parvifolia	Kalam	50	Native Tree
44	Neolamarckia cadamba	Kadamb	50	Native Tree
45	Madhuca longifolia	Mohwa	70	Native Tree
46	Mimusop selengi	Bakul	60	Native Tree
47	Olea dioica	Parjamb	60	Native Tree
48	Salva dorapersica	Khatau	60	Native Tree
49	Alstonia scholaris	Saptparni	60	Native Tree
50	Holarrhena pubescens	Pandhara Kuda	50	Native Tree
51	Wrightia tinctoria	Kala kuda	60	Native Tree
52	Strychnosnux-vomica	Kajra	60	Native Tree
53	Cordia dichotoma	Bhokar	60	Native Tree
54	Oroxylum indicum	Tetu	60	Native Tree
55	Mallotus philippensis	Kesari	60	Native Tree
56	Phyllanthus emblica	Awala	70	Native Tree
57	Holoptelea integrifolia	Wavala	50	Native Tree
58	Ficus benghalensis	Vad	50	Native Tree
59	Ficus religiosa	Pimpal	70	Native Tree
60	Ficus racemosa	Umbar	70	Native Tree
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	NA	NA	NA

47.Energy

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Power requirement:	**Source of power supply :**	Maharashtra State Electricity Distribution Company Limited (MSEDCL)
	During Construction Phase: (Demand Load)	424.3 KVA
	DG set as Power back-up during construction phase	1 x 125 KVA
	During Operation phase (Connected load):	20860.29 KVA
	During Operation phase (Demand load):	8485.59 KVA
	Transformer:	13 x 630 KVA
	DG set as Power back-up during operation phase:	Total 10 Nos. of DG sets proposed (3 x 250KVA, 2 x 750KVA, 1 x 550KVA, 1 x 380KVA, 1 x650KVA, 1 x 60KVA, 1 x 18 KVA)
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Provision of Solar PV Panels and Solar water heater system.
Solar PV- 556 KWP which generated 7,64,100 kwh/ year

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total Energy Saving	37%

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 702 lakh
	O & M cost:	Rs. 72.37 Lakh/ year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Personal Protective Equipment's	Helmets, Ear Plugs, Mask, Safety Shoes, Ropes	20.0
2	Site Sanitation Facilities	Mobile Toilets, Cleaning facility	10.0
3	Solid Waste Management	Dust Bins, Cleaning	5.0
4	Water Provision	Water for construction & domestic purpose	31.0

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5	Health Check up, First Aid facility	--	10.0
6	Awareness & Training for workers	Environment & Safety Awareness	5.0
7	Environment Monitoring	Air, water, Noise, Soil	5.0
8	Environment Management Cell	--	15.0
9	TOTAL	--	101 Lakh

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	Total 5 Nos. of STP	750	40
2	Effluent Treatment Plant	100 KLD Capacity	38.69	4.0
3	Rain water harvesting	-	35	7.35
4	Solid Waste Management	5 Nos. of OWC machines	110	27.63
5	Landscape	Landscape on ground with plantation of 3146 Nos. of trees	38.48	4.33
6	Energy saving	Solar PV, Solar water heaters & other	702	72.37
7	Swimming Pool	1 No	75	10.0
8	Environment Monitoring	Air, Water, Noise, DG set, STP treated water	--	20.0
9	TOTAL	-	1749.17	185.68

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	NA

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Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	58114 Sq.M.
	Area per car:	12.5 Sq.M.
	Area per car:	12.5 Sq.M.
	Number of 2-Wheelers as approved by competent authority:	10406 Nos.
	Number of 4-Wheelers as approved by competent authority:	2271 Nos.
	Public Transport:	NA
	Width of all Internal roads (m):	6m to 24m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8(b)
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	19-02-2016

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SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-

Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

PP submitted their application for prior Environmental clearance for total plot area of 184500 m2, FSI area of 263413.43 m2, Non FSI area of 158324.38 m2 and total BUA of 421738.11 m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B1.

DECISION OF SEAC

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During discussion following points emerged:

1. (K) In CER, PP has construction of 12 m wide road to the river from Dehu Village, costing 40 lakh. This is responsibility of local planning authority. PP to replace the activity with some asset creation activity like electric cremation, providing ambulance etc. PP to submit revised CER accordingly.

2. (V) PP to revise traffic impact studies indicating geometry, sketches of all the intersections where traffic count had been taken. Assumption of 5% traffic growth shall be based on actual surveys of similar developments in nearby areas. Traffic generation shall be calculated accordingly and V/C ratios for present and future plans shall be worked out.

3. (V) Fire tender movement for entire layout shall be revised by removing all the obstructions on the internal roads and clear width of 6 m shall be available at all stretches and radius not less than 9 m. PP to submit cross sections of all roads / drive ways.

4. (V) Commercial parking shall be isolated from residential parking.

5. (V) PP to submit detailed parking layout plan for all buildings including commercial building, schools etc. PP to submit parking statement showing total number of parking required and proposed as per DCR with area per car as per norms.

6. (G) PP to submit debris management plan including (a) debris required for refilling, (b) contour plan, (c) details of site where excess debris will be disposed, capacity of the site and NOC of plot owner. PP shall also ensure that debris disposed on other plot shall not be disposed on another plot. If to be disposed on another plot, the same shall be carried out as per prevailing environmental laws.

7. (G) PP to submit geo-hydrological report with details of RWH pits.

8. (G) PP to submit master layout superimposing all environmental parameters.

9. (B) PP to include noise standard for residential area and sensitive area in vicinity of hospital. As per monitoring report, day time noise levels are exceeding at N1 and N5, also night time levels are exceeding at N1, N2 and N5. PP to provide mitigation.

10. (B) PP to provide intermediate storage tank after settler tank in STP. Water from settler to intermediate storage tank shall be taken by gravity and then may be pumped from intermediate storage tank.

11. (B) PP to provide arrangement for removal of sludge / scum every year.

12. (B) PP to provide automatic control panels with VFD based controls over pumps, also provide flow-meters at inlet and outlet of each STP.

13. (B) PP to provide detailed solid waste management / treatment plan. PP to explore possibility of converting biodegradable waste to energy.

14. (B) PP to submit detailed environmental management plan.

15. (B) PP to submit details of two soil samples.

16. (T) PP to submit NOC of competent authority for training of nalla.

17. (T) PP to submit indemnity bond.

18. (T)PP to submit following NOCs : (a) water supply, (b) solid waste management. (c) drainage, (d) Garden, (e) bio-medical waste.

19. (T) PP to submit UGT sections.

PP requested for time to submit the information sought; after deliberations committee asked PP to ***comply with*** *the observations and submit information to the committee for further discussion and consideration of SEAC.*

Specific Conditions by SEAC:

FINAL RECOMMENDATION

SEAC-III decided to defer the proposal.Kindly find SEAC decision above.

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88 SEAC-3 Day 03

SEAC Meeting number: 88 **Meeting Date** May 30, 2019

Subject: Environment Clearance for Residential & Commercial Development - “Dynamic Grandeur”

Is a Violation Case: No

1.Name of Project	“Dynamic Grandeur” - Residential & Commercial at Survey No. 53 (P), 54 (P), Wadachiwadi Road, Undri , Pune by Dynamic Realty Enterprises Applied for expansion-amendment in Environment Clearance granted from Pune Metropolitan Regional Development Authority having EC file no. TPS -1816/CR-443/16-DP Directors / UD-13 dated 3th Sept. 2017
2.Type of institution	Private
3.Name of Project Proponent	M/s. Dynamic Realty Enterprises through Mr. Rajiv Sonkar
4.Name of Consultant	M/s. Ultra-Tech (Environmental Consultancy & Laboratory); NABET/EIA/1720/RA0094
5.Type of project	Residential & Commercial
6.New project/expansion in existing project/modernization/diversification in existing project	Modernization-Amendment in EC
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes. Modernization-amendment. We have received 1st EC on 24.4.2017 from SEIAA, Govt. of Maharashtra & amendment in EC granted on 3.10.2017 from PMRDA
8.Location of the project	Survey No. 53 (P), 54 (P), Wadachiwadi Road, Undri , Pune
9.Taluka	Haveli
10.Village	Undri
Correspondence Name:	Mr. Rajiv Sonkar
Room Number:	-
Floor:	3rd Floor
Building Name:	Arcadian building
Road/Street Name:	Between 5th & 6th lane, North main road
Locality:	Koregaon Park
City:	Pune
11.Area of the project	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	To be applied on 10/04/2019
	IOD/IOA/Concession/Plan Approval Number: To be applied on 10/04/2019
	Approved Built-up Area: 145718.11
13.Note on the initiated work (If applicable)	We have started construction as per EC received , partly completed and constructed area is 46,278.57 m2
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	48,300 m2
16.Deductions	10,150.10 m2
17.Net Plot area	38,149.90 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 88,022.86 m2
	b) Non FSI area (sq. m.): 57,695 m2
	c) Total BUA area (sq. m.): 145718.11
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 88,043.78 m2
	Approved Non FSI area (sq. m.): 57,695 m2
	Date of Approval: 10-04-2019
19.Total ground coverage (m2)	6,501.72 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	17%
21.Estimated cost of the project	3035700000

22.Number of buildings & its configuration

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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A	LG+UG+11	34.35
2	B	LG+UG+11	34.35
3	C	P1+P2+P3+11	36.00
4	D	P1+P2+P3+12	41.90
5	E	P1+P2+P3+12	42.15
6	F	LG+UG+3 (shops)	15.00
7	G	P1+P2+P3+15	47.40
8	H	P1+P2+P3+21	68.40
9	I	P1+P2+P3+21	68.40
10	J	P1+P2+P3+21	68.40
11	K	P1+P2+P3+21	68.40
12	L	P1+P2+P3+21	68.40
13	M	P1+P2+P3+21	68.40

23.Number of tenants and shops	Residential- 1312 Nos. Commercial complex- 122 Nos.
24.Number of expected residents / users	Residential Population - 6,560 Nos. ; Commercial Population - 733 Nos. Total - 7,293 Nos.
25.Tenant density per hectare	290 tenant/hector
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	12m , 15m & 24m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Turning radius for easy access of fire tender movement is 9m
29.Existing structure (s) if any	Yes, partly completed as per received EC letter no. TPS -1816/CR-443/16-DP Directors / UD-13 dated 3th Sept. 2017. Total constructed area is 46,278.57 m2
30.Details of the demolition with disposal (If applicable)	Not applicable

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

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Dry season:	**Source of water**	PMC
	Fresh water (CMD):	601
	Recycled water - Flushing (CMD):	317
	Recycled water - Gardening (CMD):	47
	Swimming pool make up (Cum):	2
	Total Water Requirement (CMD) :	965
	Fire fighting - Underground water tank(CMD):	725
	Fire fighting - Overhead water tank(CMD):	250
	Excess treated water	495
Wet season:	**Source of water**	PMC
	Fresh water (CMD):	601
	Recycled water - Flushing (CMD):	317
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	918
	Fire fighting - Underground water tank(CMD):	725
	Fire fighting - Overhead water tank(CMD):	250
	Excess treated water	541
Details of Swimming pool (If any)	1. Area – 18m2 , Dimensions - 3m x 6m x 1.2 m depth. Water requirement – 23.0 m3 2. Area – 72 m2 Dimensions - 6m x 12m x 1.2m depth. Water requirement – 91.4 m3 Total water Requirement in KL: – 2 cum/day Water requirement for make up in KLD – 114.4 m3 Details of Plant & Machinery used for treatment of Swimming pool water: High Rate Sand Filter re-circulation filtration system consist of FRP Filter, Pump, Pool Basin Equipment, Recirculating PVC Plumbing, Cleaning Kit Details of quality to be achieved for swimming pool water and parameters to be monitored: Chlorine Dosing Systems, Cleaning Kit, Test Kit. Parameters : pH – 7.5 -8.5; Chlorine – 0.5-0.2 ppm, Total alkalinity – 50-500 ppm, Budgetary allocation (Capital cost): 17.00 lakhs (O&M cost): 1.2 lakhs per year.	

33.Details of Total water consumed

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Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	22.75 m
	Size and no of RWH tank(s) and Quantity:	Not applicable
	Location of the RWH tank(s):	Not applicable
	Quantity of recharge pits:	16 No. bore + 14 No. Soak Pits = Total 30 Nos.
	Size of recharge pits :	a) RWH Pit with bore - Size: 2.50 m. X 2.50 m. X 1.75 m. Depth with 30 to 60 m. Deep 6" Dia. Bore Well via 2 No. of desiltation pits of 0.9 m. Dia. 1.0 m. Depth. b) RWH Soak Pit – Size: 1.0 m. X 1.0 m. X 1.0 m
	Budgetary allocation (Capital cost) :	21.50 Lakhs
	Budgetary allocation (O & M cost) :	2.00 lakhs per year
	Details of UGT tanks if any :	Domestic : 902 cum/day Flushing : 475 cum/day Fire : 725 cum/day
35.Storm water drainage	**Natural water drainage pattern:**	As per storm water layout
	Quantity of storm water:	519.49 m3 / day. Considering 849.30 mm. annual rain fall in 50 days averagely
	Size of SWD:	600 mm
Sewage and Waste water	**Sewage generation in KLD:**	858
	STP technology:	MBBR (Anoxic Aerobic Process)
	Capacity of STP (CMD):	2 Nos. Total capacity - 905 KLD. 350 KLD x 1 No & 555 KLD x 1 No
	Location & area of the STP:	Above ground (open to sky). 350 KLD STP – 142.0 m2; 555 KLD STP – 265.71 m2 . Total Area - 407.70 m2
	Budgetary allocation (Capital cost):	245.53 Lakhs
	Budgetary allocation (O & M cost):	32.11 Lakhs per annum

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	16580 m3 for back filling and leveling (6,632 +9,948)
	Disposal of the construction waste debris:	Proper segregation of waste & handling to PMC
Waste generation in the operation Phase:	**Dry waste:**	1422 kg per day
	Wet waste:	2041 kg per day
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	117 kg per day
	Others if any:	E waste - 4013 kg per year (10.99 kg/day)

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Mode of Disposal of waste:	**Dry waste:**	Will be handed over to PMC
	Wet waste:	Will be treated in OWC
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Used as manure
	Others if any:	E-waste - Handover to authorized dealer
Area requirement:	**Location(s):**	On ground
	Area for the storage of waste & other material:	26 m2
	Area for machinery:	112 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	55. 50 Lakhs
	O & M cost:	12.50 lakhs per annum

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable
41.Source of Fuel		Not applicable		
42.Mode of Transportation of fuel to site		Not applicable		

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43.Green Belt Development	**Total RG area :**	4,488.22 m2
	No of trees to be cut :	Not applicable
	Number of trees to be planted :	Existing trees 327 Nos. + Retained trees 6 Nos. = Total trees - 333 Nos. Proposed trees – 328 nos.
	List of proposed native trees :	Listed below
	Timeline for completion of plantation :	Partly completed

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Michelia Champaka	Chafa	34	Good for ornamental purpose
2	Cassia Fistula	Bahawa	23	Have medical properties & larval host for butterflies
3	Anthocephallus cadamba	Kadamb	30	Good for roadside plantation and provide shade
4	Saraca indica	Sita ashok	21	Spreading, evergreen tree suitable for all types of gardens
5	Bauhinia racemosa	Apta	44	Drought resistant, good air purifier & have medicinal properties
6	Lagerstromia speciosa	Tamhan	15	Good as a avenue tree, good for group planting around water gardens & ponds
7	Albizia lebbeck	Shirish	29	Good for roadside plantation & provide shade
8	Khaya grandis	Mohagani	41	Good for ornamental purpose
9	Erythrina variegata	Pangara	29	Fruit bearing tree
10	Acrus sapota	Chickoo	24	Fruit bearing tree
11	Psidiumguajava	Guava	19	Fruit bearing tree
12	Annona squammosa	Sitaphal	19	Fruit bearing tree
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	NA	NA	NA

47.Energy

SEAC-AGENDA-0000000272

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	75 kW
	DG set as Power back-up during construction phase	82.5 kVA x 1 No
	During Operation phase (Connected load):	6,504 kW
	During Operation phase (Demand load):	3,189 kW
	Transformer:	6 Nos. x 630 kVA
	DG set as Power back-up during operation phase:	2 x 160 kVA ; 1 x 100 kVA & 1 x 250 kVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	Not applicable

48.Energy saving by non-conventional method:

- Auto Timer Control for external & common lightning
- Use of CFL / LED lamps in all public / common areas
- Solar Powered water heating
- Electronic V3F drives for elevators
- Solar PV Panel power for common area lightning

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar PV Panels	43200 kWh/annum (0.35%)
2	Timer Logic Controller	234825 kWh/annum (1.92%)
3	Electronic V3F drive for Lifts	57725 kWh/annum (0.47%)
4	Solar Water Heater	1826304 kWh/annum (14.99%)

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	224.4 Lakhs
	O & M cost:	7.61 Lakhs per annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air & Noise	Water For Dust Suppression	0.7

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2	Air & Noise	Air & Noise monitoring	0.3
3	Water	Tanker water for construction & worker	0.5
4	Water	Water monitoring	0.03
5	Land	Labour toilets 10 Nos. Cleaning 10,000 Rs./month	1.00
6	Biological	Gardening & Excavation	0.30
7	Socio-economic	Disinfection at site	0.30
8	Socio-economic	Safety, First Aid, Health Hygiene Facilities	1.2
9	Socio-economic	Health Check Up	0.6
10	Socio-economic	Creches for children	2.4
11	Socio-economic	Personal Protective Equipment	1.2

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP Cost	2 Nos.	245.53	32.11
2	Rain Water Harvesting	30 Nos. Pits	21.50	2.00
3	Environmental Monitoring	-	-	0.90
4	Gardening	Plantation of native trees	31.48	7.32
5	Solid waste	2 Nos. of OWC	55.55	12.5
6	Energy	Energy saving measures	224.4	7.61
7	Swimming pool	2 Nos.	17.00	1.2

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	2 Nos.

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Parking details:	**Number and area of basement:**	Not applicable
	Number and area of podia:	2 Nos. of podium. Total area- 25192.59 m2. Podium 1 - Area: 13361.61 m2 & Podium 2 – Area: 11.830.98 m2
	Total Parking area:	Total parking area - 52082.20 m2. Covered parking – 39239.60 m2 & Open parking – 12843.60 m2 .
	Area per car:	30
	Area per car:	30
	Number of 2-Wheelers as approved by competent authority:	2994 nos
	Number of 4-Wheelers as approved by competent authority:	1360 nos.
	Public Transport:	Nearest bus stop - Undri Gaon Bus Stop
	Width of all Internal roads (m):	12 m , 15 m & 24 m
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	None within 10 Km
	Category as per schedule of EIA Notification sheet	8a (B2)
	Court cases pending if any	Not applicable
	Other Relevant Informations	Not applicable
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-

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Solid Waste Management	-
Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

PP submitted their application for prior Environmental clearance for total plot area of 48,300 m2, FSI area of 88,022.86 m2, Non FSI area of 57,695 m2 and total BUA of 145718.11 m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B2.

DECISION OF SEAC

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During discussion following points emerged:

1. In CER, PP has indicated avenue plantation plan but number of trees are not mentioned. Like wise PP has not mentioned number of dustbins. PP has shown awareness activity with budge of Rs. 34.62 lakh, instead of this some asset creation activity shall be proposed. PP has also shown construction of DP road with budget of 84.64 lakh. This is responsibility of local planning authority. The same shall be replaced with other activity. PP to explore possibility of providing electric crematorium, ambulances, solar energy to schools etc. PP to revise and resubmit CER accordingly.

2. PP to revise parking layout plan for all floors by removing the dependent parking and providing minimum drive way width of 5 m.

3. PP to submit parking statement showing total number of parking required and proposed as per DCR with area per car as per norms.

4. PP to submit master layout superimposing all environmental parameters.

5. PP to submit sections of UGT.

6. PP to submit following NOCs : (a) water supply, (b) Garden, (e) CFO

PP requested for time to submit the information sought; after deliberations committee asked PP to ***comply with*** *the observations and submit information to the committee for further discussion and consideration of SEAC.*

Specific Conditions by SEAC:

FINAL RECOMMENDATION

SEAC-III decided to defer the proposal.Kindly find SEAC decision above.

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88 SEAC-3 Day 03

SEAC Meeting number: 88 **Meeting Date** May 30, 2019

Subject: Environment Clearance for Expansion of Residential project

Is a Violation Case: No

1.Name of Project	"Grandeview7
2.Type of institution	Private
3.Name of Project Proponent	M/s Chirag Developers
4.Name of Consultant	Sneha Hi-Tech products
5.Type of project	Housing
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes
8.Location of the project	Sr. No. 5/6, Near Ashok Leyland Co, Ambegaon (Bk), Pune-411046
9.Taluka	haveli
10.Village	Ambegaon (Bk)
Correspondence Name:	VINOD KUMAR JI MITTAL
Room Number:	-
Floor:	-
Building Name:	GRANDVIEW 7
Road/Street Name:	-
Locality:	AMBEGOAN
City:	PUNE
11.Area of the project	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	1PMC sanction Residential building layout no - (cc_1589_18 dated 24/08/2018). Building permission, no - (cc no. 1834/18 dated 17/09/18) , 2)PMRDA sanction Amenity buildings No. BHA/Mauje Ambegaon Bk./S.NO.6/4,6/5 and Other/C.R.NO.719/16-17.Dated.17/02/2017
	IOD/IOA/Concession/Plan Approval Number: as above
	Approved Built-up Area: 80770.63
13.Note on the initiated work (If applicable)	We have constructed wing A, B, C, D,E,H& Club House 1. As part of previous EC Environment letter No.2009/374/ CR.84/TC.1 dated 31st August, 2010 AND 15TH jUNE 2018
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	42,500
16.Deductions	Deductions :- (R. P. Road Widening) –3,541.34 m2 Gross plot area - 38,958.66 m2 Deductions (Amenity 15%) – 5,843.80 m2
17.Net Plot area	33,114.86
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 43025.24
	b) Non FSI area (sq. m.): 37745.39
	c) Total BUA area (sq. m.): 80770.63
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 45248.27
	Approved Non FSI area (sq. m.): 35522.31
	Date of Approval: 17-09-2018
19.Total ground coverage (m2)	10391.48
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	26.67%
21.Estimated cost of the project	1396000000

22.Number of buildings & its configuration

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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A	P+7	23.60M
2	B	P+7	23.60M
3	C	P+7	23.60M
4	D	P+7	23.60M
5	E	P+7	23.60M
6	H	P+9	29.50M
7	CLUB HOUSE	Ground floor	5.32M
8	F	P+14	44.65M
9	G	P+14	44.65M
10	I	P+10	33.05M
11	J	P+14	44.55M
12	K	P+14	44.50M
13	Commercial 1	B+G+3	14.95M
14	Commercial 2	G+2	12.05M
15	Commercial 3	LG+UG+2	14.45M
16	Commercial 4	B+G+3	14.40M
17	CLUB HOUSE-2	G+1	7.45 M

23.Number of tenants and shops	Existing Tenements 217 Proposed Tenements - 511 No shops -24, Cultural Hall-4, Library-2, Gymnasium-2, Pathology Lab-2, Dispensary-2
24.Number of expected residents / users	Existing:1085Proposed:2555 Total Residential Users=3640 Total usersofAmenity=244 Total Users =3884
25.Tenant density per hectare	220
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Nearest Fire StationKatraj-& Width of the road from the nearest fire station to the proposed building - 60m wide road of Katraj bypass highway & 24 m wide DP road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9M
29.Existing structure (s) if any	We have constructed wing A, B, C, DE, H& Club House 1. As part of previous EC Environment letter No.2009/374/ CR.84/TC.1 dated 31st August, 2010
30.Details of the demolition with disposal (If applicable)	Not any

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31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

Dry season:	Source of water	PMC
	Fresh water (CMD):	331
	Recycled water - Flushing (CMD):	171
	Recycled water - Gardening (CMD):	62
	Swimming pool make up (Cum):	2
	Total Water Requirement (CMD) :	564
	Fire fighting - Underground water tank(CMD):	600
	Fire fighting - Overhead water tank(CMD):	210
	Excess treated water	236
Wet season:	Source of water	PMC
	Fresh water (CMD):	331
	Recycled water - Flushing (CMD):	171
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	2
	Total Water Requirement (CMD) :	502
	Fire fighting - Underground water tank(CMD):	600
	Fire fighting - Overhead water tank(CMD):	210
	Excess treated water	298
Details of Swimming pool (If any)	• Dimension of Swimming Pool: 12.50m x6.50m X1.20m• Kids Pool: 3.0 m (Dia) X 0.6m• Total water Requirement in KLD:102• Water requirement for makeup in KLD:2.0	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	-	-	-	-	-	-	-	-	-

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	8 TO 10 M
	Size and no of RWH tank(s) and Quantity:	Not Applicable
	Location of the RWH tank(s):	Not Applicable
	Quantity of recharge pits:	24 Nos.
	Size of recharge pits :	2mt X 2mt. X 2m
	Budgetary allocation (Capital cost) :	26.1Lacs
	Budgetary allocation (O & M cost) :	1.30 Lacs
	Details of UGT tanks if any :	Residential Domestic UG tank Capacity(CMD):495 • Flushing UG tankCapacity(CMD):247 • Firefighting(CMD):600 Commercial: • Domestic UG tankCapacity(CMD):7.74 • Flushing UG tankCapacity(CMD):15.47 • Fire fighting (CMD): Considered in residentiall
35.Storm water drainage	**Natural water drainage pattern:**	S to N
	Quantity of storm water:	13.05 m3/Hr
	Size of SWD:	250-900 mm
Sewage and Waste water	**Sewage generation in KLD:**	469
	STP technology:	MBBR
	Capacity of STP (CMD):	177 & 325KL
	Location & area of the STP:	STP-1 : Near C -Wing STP- 2 : Near I -Wing
	Budgetary allocation (Capital cost):	135.48Lacs
	Budgetary allocation (O & M cost):	22.31 Lacs

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	37 kg/day
	Disposal of the construction waste debris:	back filling
Waste generation in the operation Phase:	**Dry waste:**	520 kg/day
	Wet waste:	1212kg/day
	Hazardous waste:	negligible
	Biomedical waste (If applicable):	10kg/day
	STP Sludge (Dry sludge):	100kg/day
	Others if any:	Not any

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Mode of Disposal of waste:	**Dry waste:**	Handed over to authorized recyclers
	Wet waste:	Mechanical composting unit
	Hazardous waste:	Handed over to authorized recyclers
	Biomedical waste (If applicable):	Handed over to authorized recyclers
	STP Sludge (Dry sludge):	Used as Manure
	Others if any:	Not any
Area requirement:	**Location(s):**	OWC-1 :- Near E -Wing OWC- 2 :- Near k -Wing
	Area for the storage of waste & other material:	20m2
	Area for machinery:	70m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	22.95 lacs
	O & M cost:	4.0Lacs

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	-	-	-	-	-

Amount of effluent generation (CMD):	NA
Capacity of the ETP:	NA
Amount of treated effluent recycled :	NA
Amount of water send to the CETP:	NA
Membership of CETP (if require):	NA
Note on ETP technology to be used	NA
Disposal of the ETP sludge	NA

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	-	-	-	-	-	-

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	-	-	-	-

41.Source of Fuel	-
42.Mode of Transportation of fuel to site	-

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43.Green Belt Development	**Total RG area :**	3895.86
	No of trees to be cut :	Not any
	Number of trees to be planted :	300 NO. S
	List of proposed native trees :	ENCLOSED BELOW
	Timeline for completion of plantation :	Till the completion of the project

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Ailanthus Excelsa	Maharukh	34	Deciduous tree
2	Azadirachta indica	Neem	34	Deciduous tree
3	Bauhinia racemosa	Apta	34	flower bearing evergreen tree
4	Cassia fistula	Bahava	34	flower bearing Deciduous tree
5	Lagerstromia flos-Regineae	Tamhan	34	flower bearing Deciduous tree
6	Michelia champaca	Son Chafa	34	flower bearing Deciduous tree
7	Magnifera indica	Mango	34	Fruit bearing evergreen tree
8	Acrus sapata	Chickoo	31	Fruit bearing evergreen tree
9	Phyllanthus emblica	Awala	31	flower bearing Deciduous tree
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	Not Applicable	Not Applicable	Not Applicable

47.Energy

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Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	33 KW
	DG set as Power back-up during construction phase	KVA
	During Operation phase (Connected load):	2383.67 KW
	During Operation phase (Demand load):	1516.98 KVA
	Transformer:	630 KVA – 2 Nos. , 315 KVA – 1 Nos
	DG set as Power back-up during operation phase:	For Residential – 160 KVA. FOR AMENITY AREA - AMENITY 1= 62.5 KVA, AMENITY 2 =40 KVA AMENITY 3=100 KVA, AMENITY 4 = 50 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	Yes

48.Energy saving by non-conventional method:

Timers and contactors will be used to switch on / off common area & external landscape and facade lighting Light Emitting Diode (LED) will be used for corridors , Lobbies and common areas. Energy efficient led lamps which give approx. 30% more light output for the same watts consumed and therefore require less nos. Of fixtures and corresponding lower point wiring costs All cables will be derated to avoid heating during use. This also indirectly reduces losses and improves reliability. To achie

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Timers and contactors will be used to switch on / off common area & external landscape and facade lighting Light Emitting Diode (LED) will be used for corridors , Lobbies and common areas. Energy efficient led lamps which give approx. 30% more light output for the same watts consumed and therefore require less nos. Of fixtures and corresponding lower point wiring costs All cables will be derated to avoid heating during use. This also indirectly reduces losses and improves reliability. To achie	16%

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
-	-	-

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	87 Lacs
	O & M cost:	7.5

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)

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1	Air Environment	Water For Dust Suppression Air & Noise monitoring	1.92
2	Water Environment	Tanker water for construction Water monitoring	7.8
3	Land Environment	Site Sanitation Maintenance	5.72
4	Biological Environment	Biological Environment Gardening	3.23
5	Socio- Economic Environment	Disinfection- Pest Control First Aid Facilities Health Check Up Creche for children Personal protective equipment	3.83

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Environmental Monitoring	Ambient Air quality, Noise Level, Exhaust from DG Set, Drinking Water, Sewage from STP, As per EP act, Manure	MoEF approved laboratory	20.06
2	RWH	No. of pits	26.1	1.30
3	STP	Waste water treatment	135.48	22.31
4	Electrical	Energy saving	87.0	7.5
5	Swimming pool	Water quality monitoring	18.0	1.02
6	Solid waste	For solid waste treatment	22.95	4.0

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Traffic generated from this project will confluent on 12 m wide road.

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Parking details:	**Number and area of basement:**	02 nos, 674.04m2
	Number and area of podia:	No of Podia:01 Area of Podia:7703.85
	Total Parking area:	11565.60
	Area per car:	30
	Area per car:	30
	Number of 2-Wheelers as approved by competent authority:	1281
	Number of 4-Wheelers as approved by competent authority:	375
	Public Transport:	Nearest Bus Stop: Ambegaon
	Width of all Internal roads (m):	6m & 7.50m driveways
	CRZ/ RRZ clearance obtain, if any:	Not any
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	8(a)
	Court cases pending if any	Not Applicable
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-

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Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

PP informed that they have received environmental clearance vide EC number-352 dt. 15.06.2018. The Committee decided to **delist** the proposal.

DECISION OF SEAC

PP informed that they have received environmental clearance vide EC number-352 dt. 15.06.2018. The Committee decided to **delist** the proposal.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

Kindly find SEAC decision above.

SEAC-AGENDA-0000000272

88 SEAC-3 Day 03

SEAC Meeting number: 88 **Meeting Date** May 30, 2019

Subject: Environment Clearance for Proposed Amendment in residential & commercial development

Is a Violation Case: No

1.Name of Project	"City Scape: Proposed residential & commercial development
2.Type of institution	Private
3.Name of Project Proponent	M/s Guardian Homes Pvt Ltd
4.Name of Consultant	Enviro Resources
5.Type of project	Housing & Commercial
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in existing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes, we have previous environmental clearance letter no.SEAC- III-2014/CR-382/TC-3, dated 25th January 2016.
8.Location of the project	Sr No- 115/3/1,115/3/2 F.P No 542-E
9.Taluka	Haveli
10.Village	Parvati, Sinhgad Road
Correspondence Name:	Mr. C.K. Joshi
Room Number:	Office 101 & 102
Floor:	1st floor
Building Name:	Chintamani Pride Bldg., Near City Pride Multiplex,
Road/Street Name:	NA
Locality:	Kothrud
City:	Pune
11.Area of the project	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Applied Building Layout sanction by PMC vide CC/2901/15 dated 11/12/2015. Revised Building plan sanction in process
	IOD/IOA/Concession/Plan Approval Number: Applied CC/2901/15
	Approved Built-up Area: 39332.69
13.Note on the initiated work (If applicable)	We have initiated work as per previous environmental clearance letter no.SEAC-III-2014/CR-382/TC-3, dated 25th January 2016
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	20,234.0 Sq Mt
16.Deductions	1642.70 Sq Mt
17.Net Plot area	18591.30 Sq Mt
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 39312.97
	b) Non FSI area (sq. m.): 53,871.43
	c) Total BUA area (sq. m.): 93184.40
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 39312.97
	Approved Non FSI area (sq. m.): 93193.55
	Date of Approval: 31-10-2019
19.Total ground coverage (m2)	7689.95
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	41.36
21.Estimated cost of the project	1560000000

22.Number of buildings & its configuration

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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A	L.GR.P.+1ST P.+ 2ND P.+3RD P.+19	69.85 m
2	B	L.GR.P.+1ST P.+ STILT.-1+STILT.-2+19	69.85 m
3	C	L.GR.P.+COMM.1ST + COMM.2ND+3P+19	69.85 m
4	D	L.GR.P.+COMM.1ST + COMM.2ND+3P+19	69.85 m
5	E	L.GR.P.+COMM.1ST + COMM.2ND+3P+19	69.85 m
6	F	L.GR.P.+1P+GR.+ STILT-1+STILT-2+18	67.55 m
7	Commercial (below C, D & E TYPE BUILDING	COMM. 1ST+ COMM. 2ND	8.25 m

23.Number of tenants and shops	Residential:410 Commercial: 26 SHOPS & Offices 109+6 Showroom
24.Number of expected residents / users	Residential:2158 as per plumbing consultant Commercial:1567
25.Tenant density per hectare	227/ha
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Nearest fire station Erandwane & kothrud. Width of the road from the nearest fire station to the proposed building – 42m wideroad abutting to site.
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 M
29.Existing structure (s) if any	NA
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

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Dry season:	**Source of water**	PMC
	Fresh water (CMD):	233
	Recycled water - Flushing (CMD):	128
	Recycled water - Gardening (CMD):	20
	Swimming pool make up (Cum):	12.15
	Total Water Requirement (CMD) :	393
	Fire fighting - Underground water tank(CMD):	2 nos. of 300
	Fire fighting - Overhead water tank(CMD):	120 CMD
	Excess treated water	197
Wet season:	**Source of water**	PMC
	Fresh water (CMD):	233
	Recycled water - Flushing (CMD):	128
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	12.15
	Total Water Requirement (CMD) :	373
	Fire fighting - Underground water tank(CMD):	2 NOS. OF 300
	Fire fighting - Overhead water tank(CMD):	120 CMD
	Excess treated water	217
Details of Swimming pool (If any)	Main Pool 15.55x6.5x1.5m and Baby pool 4x6.5x0.6	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	15m BGL
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	6 Nos.
	Size of recharge pits :	2.0x 2.7x 3.0 m
	Budgetary allocation (Capital cost) :	14.24 lac/Annum
	Budgetary allocation (O & M cost) :	0.8 lac/Annum
	Details of UGT tanks if any :	NA
35.Storm water drainage	**Natural water drainage pattern:**	S to N
	Quantity of storm water:	0.43 Cum/sec
	Size of SWD:	450mm dia. Pipe
Sewage and Waste water	**Sewage generation in KLD:**	R-280 m3/day and C- 70 m3/day
	STP technology:	MBBR
	Capacity of STP (CMD):	280 & 70 CMD
	Location & area of the STP:	AS PER LAYOUT
	Budgetary allocation (Capital cost):	106.35 lac (Including Civil)
	Budgetary allocation (O & M cost):	30.79 lac/Annum

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Cutting 2331 m3 and Filling 14028m3. Remaining shortfall to be filled with during construction debris & from others nearby
	Disposal of the construction waste debris:	Cutting 2331 m3 and Filling 14028 m3. Remaining shortfall to be filled with during construction debris
Waste generation in the operation Phase:	**Dry waste:**	645 Kg / Day
	Wet waste:	772 Kg / Day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	74.77 Kg/Day
	Others if any:	NOT ANY

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Mode of Disposal of waste:	**Dry waste:**	Will be handover to SWACH authorized recycler
	Wet waste:	Wet waste will be treated in OWC & manure will be used for landscaping & gardening
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as manure for landscape development
	Others if any:	Not any
Area requirement:	**Location(s):**	As per layout
	Area for the storage of waste & other material:	For Residential - 67.5 m2 & Comm. – 32 M2
	Area for machinery:	as mentioned above
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	R -20.75 L & Comm- 11.75 L
	O & M cost:	R -4.3 L/Annum & Comm- 2.56L/Annum

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	180	hsd	1	6.5	5.0x2.0 meter	450 Deg.C +/- 10Deg.C
2	125	hsd	1	6.0	4.0x2.0 meter	450 Deg.C +/- 10Deg.C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	Not applicable	3500 Liters/M	3500 Liters/M

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41.Source of Fuel	Nearby pumps
42.Mode of Transportation of fuel to site	By road

43.Green Belt Development	**Total RG area :**	1867.94
	No of trees to be cut :	98 Nos as per garden NOC
	Number of trees to be planted :	526
	List of proposed native trees :	Listed below
	Timeline for completion of plantation :	At the time of Completion of the project

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Manikara zapota	Chikoo	31	Tropical fruit tree & bird attracting tree
2	Michelia champaca	Champa	31	Evergreen timber plant, ornamental
3	Mimusopes elengi	Bakul	31	Evergreen tree, timber yielding and medicinal plant
4	Ficus benjamina	Weeping fig	31	Evergreen & bird attracting tree
5	Cassia fistula	Golden shower	31	Drought tolerant, ornamental & medicinal plant
6	Butea monosperma	Flame tree	31	Used in pesticide & dye preparation,
7	Cassia grandis	Pink shower	31	Drought tolerant, ornamental & medicinal plant
8	Saraca indica	Sita ashok	31	Evergreen medicinal plant
9	Roystonea regia	Royal palm	31	Nitrogen fixer, ornamental plant
10	Syzygium cumini	Jambhul	31	Fruit tree & bird attracting
11	Neolamarkia cadamba	Kadamba	31	Tropical fruit tree & bird attracting tree
12	Mangifera indica	Mango	31	Evergreen & bird attracting tree
13	Pongamia pinnata	Karanj	31	Karanj is an important ayurvedic medicine
14	Phyllanthus officinalis	Awala	31	Evergreen medicinal and fruit plant
15	Psidium guajava	Peru	31	Fruit tree
16	Azadirachta Indica	Neem	31	Traditional medicinal Plant
17	Albizia lebbeck	Shirish	31	Evergreen timber plant, ornamental
18	Manikara zapota	Chikoo	31	Tropical fruit tree & bird attracting tree
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2

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1	Not applicable	Not applicable	Not applicable

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	30KVA
	DG set as Power back-up during construction phase	62.5KVA
	During Operation phase (Connected load):	3666 KW
	During Operation phase (Demand load):	1557 KW
	Transformer:	3X630 KVA
	DG set as Power back-up during operation phase:	180 KVA 125KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

• Solar water heating systems will be done for bathrooms.
• Solar lights will be provided for common amenities like Street lighting & Garden lighting.
• CFL & LED based lighting will be done in the common areas, landscape areas, signage's, entry gates and boundary compound walls etc.
• Auto Timer switches will be provided for Street lights, Garden lights, Parking & staircase Lights & other common area Lights, for saving electrical energy.
• Water level controllers with timers will be used for Water pumps.
• To create awareness to end consumer or flat owner, for using energy efficient light fittings like CFL, T5 Lamps & LED lights

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total Annual Savings System in % With Solar PV Power, Hot Water System & LED Lighting	18.38%
2	Total Annual Savings in % With Solar Hot Water System	15.55%

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
STP	Not applicable	280 & 70 CMD MBBR
MSW	Not applicable	PROVIDED 2 nos. of STP
DG SET	Not applicable	stack will be provided with appropriate stack

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.55.20 LACS
	O & M cost:	Rs 1.78 Lac / year.

51.Environmental Management plan Budgetary Allocation

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a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Environmental monitoring	PM10, PM2.5, SO2, NOx, CO, Equivalent noise level, Analysis of water for physical, chemical, biological parameters	2.54
2	Air Environment	Water For Dust Suppression Air & Noise monitoring	0.8
3	Water Environment	Tanker water for construction Water monitoring	1.68
4	Land Environment	Site Sanitation Gardening	3.0
5	Socio- Economic Environment	Disinfection- Pest Control First Aid Facilities Health Check Up Crèche for children Personal protective equipment	2.03

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Environmental Monitoring	Ambient Air quality, Noise Level, Exhaust from DG Set, Drinking Water, Sewage from STP, As per EP act, Manure	outside life	18.83
2	Water	RWH	14.24	0.8
3	Water	STP	106.35	30.79
4	Energy	Solar PV Cells	55.20	1.78
5	Land Environment	Gardening	30.92	1.80
6	Solid waste	Solid waste management	28.35	13.59

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

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	Nos. of the junction to the main road & design of confluence:	one
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	O3
	Total Parking area:	28206.0
	Area per car:	12.50 Sq. m.
	Area per car:	12.50 Sq. m.
	Number of 2-Wheelers as approved by competent authority:	1426
	Number of 4-Wheelers as approved by competent authority:	636
	Public Transport:	Bus
	Width of all Internal roads (m):	9m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8(a) Building and Construction projects
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

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SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-

Ground water parameters	-
Solid Waste Management	-
Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

PP submitted their application for prior Environmental clearance for total plot area of 20,234 m2, FSI area of 39312.97 m2, Non FSI area of 53,871.43 m2 and total BUA of 93184.40 m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B2.

DECISION OF SEAC

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During discussion following points emerged:

1. PP to submit details of CER activities in consultation with the affected people in the project area as per MoEF&CC circular dt. 01.05.2018, along with details of fund utilization & agreement or consent of executor.

2. PP to submit disaster management plan.

3. Committee noted that 88 number of parking spaces are increased because of revision in plan. The same is not indicated in the parking layout submitted by PP. PP to submit revised parking layout and fire tender movement plan accordingly.

4. PP to revise disaster management plan incorporating disaster management committee during construction phase and lightening arrester plan.

5. PP to submit supporting document pertaining to change of name.

6. PP to submit phase wise programme for proposed construction with mitigation measures taken to avoid inconvenience to existing / nearby occupants.

7. PP to submit environmental management plan.

8. PP to submit geohydrological report with details of RWH pits.

9. PP to submit details of storm water and sewage line up to final disposal point.

10. PP to submit master layout superimposing all environmental parameters.

11. PP to submit UGT sections.

12. PP to submit following NOCs : (a) water supply, (b) solid waste management

13. PP to submit undertaking regarding tree cutting. PP to submit details of compensatory plantation and plantation plan.

PP requested for time to submit the information sought; after deliberations committee asked PP to ***comply with*** *the observations and submit information to the committee for further discussion and consideration of SEAC.*

Specific Conditions by SEAC:

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FINAL RECOMMENDATION

SEAC-III decided to defer the proposal.Kindly find SEAC decision above.

88 SEAC-3 Day 03

SEAC Meeting number: 88 **Meeting Date** May 30, 2019

Subject: Environment Clearance for Proposed Residential & Commercial Project at S. No. 38/8B, Sai Chowk, Dhondiraj nagar, Near Plazo Society, Balewadi

Is a Violation Case: No

1.Name of Project	Kundan Espacio
2.Type of institution	Private
3.Name of Project Proponent	Mr. Rakshit Oswal
4.Name of Consultant	MITCON Consultancy & Engineering Services Ltd.
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Sr. No. 38/8B
9.Taluka	Haveli
10.Village	Balewadi
Correspondence Name:	Mr. Rakshit Oswal
Room Number:	NA
Floor:	1st Floor
Building Name:	Kundan Heritage
Road/Street Name:	Opp. Khadki Railway Station
Locality:	Mumbai-Pune Highway
City:	Pune
11.Area of the project	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Plans not yet approved
	IOD/IOA/Concession/Plan Approval Number: Plans not yet approved
	Approved Built-up Area: 31291.66
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Plans not yet approved
15.Total Plot Area (sq. m.)	8900.0
16.Deductions	2941.8
17.Net Plot area	5958.20
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 15954.38
	b) Non FSI area (sq. m.): 15337.28
	c) Total BUA area (sq. m.): 31291.66
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 15954.38
	Approved Non FSI area (sq. m.): 15337.28
	Date of Approval: 01-01-1900
19.Total ground coverage (m2)	1282.82
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	21.53
21.Estimated cost of the project	600000000

22.Number of buildings & its configuration

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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Wing A	G+Shops+4P+10 Floors	42.75
2	Wing B	G+4P+10 Floors	42.75
3	Wing C	G+4P+10 Floors	42.75
4	Wing D	G+4P+10 Floors	42.75
5	MHADA	G+P+5 Floors	17.25

23.Number of tenants and shops	Tenements: 190 + Commercial
24.Number of expected residents / users	Residential: 950, Commercial: 443, Total: 1393
25.Tenant density per hectare	250
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	18 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	NA
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

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Dry season:	Source of water	PMC
	Fresh water (CMD):	94
	Recycled water - Flushing (CMD):	54
	Recycled water - Gardening (CMD):	7.0
	Swimming pool make up (Cum):	0.0
	Total Water Requirement (CMD) :	155
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	90
	Excess treated water	78
Wet season:	Source of water	PMC
	Fresh water (CMD):	94
	Recycled water - Flushing (CMD):	54
	Recycled water - Gardening (CMD):	0.0
	Swimming pool make up (Cum):	0.0
	Total Water Requirement (CMD) :	148
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	90
	Excess treated water	85
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	0	148	148	0	7.4	7.4	0	140.6	140.6
Gardening	0	7	7	0	7	7	0	0	0
Fresh water requirement	0	94	94	0	4.7	4.7	0	89.3	89.3

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	As per hydrogeo report
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	2 Nos.
	Size of recharge pits :	2mx2mx2m(D)
	Budgetary allocation (Capital cost) :	1.4 Lakhs
	Budgetary allocation (O & M cost) :	2.8 Lakhs/annum
	Details of UGT tanks if any :	1. Domestic tank: 142.0 cmd 2. Firefighting: 200 cmd 3. Flushing Tank Near STP: 43 cmd
35.Storm water drainage	**Natural water drainage pattern:**	Natural Slope is from North to South Direction
	Quantity of storm water:	189.0 m3/hr.
	Size of SWD:	450x450 mm
Sewage and Waste water	**Sewage generation in KLD:**	141.0
	STP technology:	MBBR
	Capacity of STP (CMD):	1 No. x 145 cmd
	Location & area of the STP:	Left side of MHADA Building
	Budgetary allocation (Capital cost):	75 Lakhs
	Budgetary allocation (O & M cost):	3.5 Lakhs/annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Domestic Waste: 40.0 Kg/d
	Disposal of the construction waste debris:	Will be used for site leveling & backfilling
Waste generation in the operation Phase:	**Dry waste:**	205.0 Kg/d
	Wet waste:	342.0 Kg/d
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	14.1 Kg/d
	Others if any:	E-Waste: 61.0 Kg/year

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Mode of Disposal of waste:	**Dry waste:**	Will be handed over to authorized recycler "Swach"
	Wet waste:	Will be composted on site by OWC
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be composted on site
	Others if any:	E Waste will be handed over to authorized recycler
Area requirement:	**Location(s):**	South East corner of Plot
	Area for the storage of waste & other material:	15.0 Sq. m.
	Area for machinery:	25.0 Sq. m.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	12.0 Lakhs
	O & M cost:	2.5 Lakhs/annum

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	DG Set	Diesel: 26.6 Lit/hr.	2	2.5	0.2	150 degree Celsius

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel	0	26.6 Lit./hr.	26.6 Lit./hr.
41.Source of Fuel		Local Vendor		
42.Mode of Transportation of fuel to site		By Road		

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43.Green Belt Development	**Total RG area :**	700.96
	No of trees to be cut :	0
	Number of trees to be planted :	88
	List of proposed native trees :	As mentioned below
	Timeline for completion of plantation :	Within 1 Year after completion of project

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Simarouba glauca	Laxmi Taru	10	Tall tree, Medicinal, use as timber
2	Ailathus excelsa	Maharukh	12	Large tree, good for roadside plantation
3	Cassia fistula	Bahava	12	Small fast-growing, firewood, livestock fodder
4	Roystonea regia	Royal palm	10	Ornamental, The fruit is eaten by birds and bats
5	Dalbergia sissoo	Sissoo	12	Medium to large deciduous tree, timber tree
6	Bauhnia purpurea	Butterfly tree	12	Small to medium-sized deciduous fast growing
7	Lagerstroemia speciosa	Pride of India	10	Deciduous plant, popular garden and park plant
8	Mangifera Indica	Mango	10	Fruit Bearing
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	NA	NA	NA

47.Energy

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Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	30 KW
	DG set as Power back-up during construction phase	1 No. x 40 KVA
	During Operation phase (Connected load):	1118 KW
	During Operation phase (Demand load):	501 KW
	Transformer:	630 KVA x 1 No.
	DG set as Power back-up during operation phase:	1 No. x 160 KVA for Project & 1 No. x 10 KVA for MHADA Building
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

1. Generally we have proposed high efficiency transformer, motors etc. to reduce losses.
2. Electronic Ballasts and Energy efficient lamp source either triposphere or LED are proposed for common area & general lighting with automatic time based control to save power by switching ON & OFF the lights at appropriate time. The estimated saving in common lighting consumption is up to 20 % due to adopting above measures.
3. Total of all Savings for (per year) - 139925 KWH / Annum (20 %)

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	1. Generally we have proposed high efficiency transformer, motors etc. to reduce losses. 2. Electronic Ballasts and Energy efficient lamp source either triposphere or LED are proposed for common area & general lighting with automatic time based control to save power by switching ON & OFF the lights at appropriate time. The estimated saving in common lighting consumption is up to 20 % due to adopting above measures	139925 KWH / Annum (20 %)

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
DG Set	Not applicable	Stack & Acoustic Enclosure

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	25 Lakhs
	O & M cost:	0.50 Lacs / Year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)

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1	Air	Water for Dust Suppression and barricading top soil preservation	1.0
2	Sanitation	Site Sanitation & Toilets	2.0
3	Environmental Monitoring	Air, water, soil, noise	1.5
4	Health	Disinfection & Health Check ups	1.0
5	Safety	Labour safety equipments	0.8

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Water	Rain Water Harvesting	0.8	0.2
2	Waste water	Sewage Treatment Plant	55.0	6.0
3	Solid waste	Organic Waste Composter	12.0	2.0
4	Plantation	Tree Plantation	5.0	0.5
5	Energy	Energy Saving	25	0.5
6	Environment Monitoring	Air, water, soil, noise	0	1.5

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	One

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Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	4591.7 Sq. m.
	Area per car:	12.5 Sq. m.
	Area per car:	12.5 Sq. m.
	Number of 2-Wheelers as approved by competent authority:	Scooters: 555, Cycles: 316
	Number of 4-Wheelers as approved by competent authority:	284
	Public Transport:	PMC Bus Transport
	Width of all Internal roads (m):	Min. 6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8(a) Building & Construction Projects
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-

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Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

PP submitted their application for prior Environmental clearance for total plot area of 8900 m2, FSI area of 15954.38 m2, Non FSI area of 15337.28 m2 and total BUA of 31291.66 m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B2.

DECISION OF SEAC

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During discussion following points emerged:

1. PP to revise parking layout plan such that commercial parking is physically separated and isolated from residential area. PP to submit revised parking layout at various levels.

2. PP to submit parking statement showing total number of parking required and proposed as per DCR with area per car as per norms.

3. Changes in fire tender movement if any shall be indicated by submitting cross sections.

4. PP to submit master layout superimposing all environmental parameters.

5. PP to submit details of OWC.

6. PP to revise STP indicating ground level as well as cross section of tank.

7. PP to revise monitoring matrix as per present norms.

8. PP to submit geo-hydrological report with details of RWH pits.

9. PP to submit following NOCs : (a) water supply, (b) CFO. (c) Garden.

10. PP to submit revised plantation plan incorporating local native fruit bearing trees.

PP requested for time to submit the information sought; after deliberations committee asked PP to ***comply with*** *the observations and submit information to the committee for further discussion and consideration of SEAC.*

Specific Conditions by SEAC:

FINAL RECOMMENDATION

SEAC-III decided to defer the proposal.Kindly find SEAC decision above.

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88 SEAC-3 Day 03

SEAC Meeting number: 88 **Meeting Date** May 30, 2019

Subject: Environment Clearance for Residential and Commercial Construction Project

Is a Violation Case: No

1.Name of Project	Nirman Ajinkyatara
2.Type of institution	Private
3.Name of Project Proponent	Nirman Developers
4.Name of Consultant	Not appointed as EMP is already prepared while taking Existing EC (SEAC-III-2014/C.R./TC-3 dated 19-Dec-2014) and the same will be upgraded for additional 27 Flats. All Environmental Infrastructure is in place for accommodating additional population of 111 people. (Addition of 135- Deduction of 24 from commercial area= 111)
5.Type of project	Amendment in Environment Clearance due to change in building Configuration.(Residential and Commercial Construction Project). The only amendment required in the Existing EC is deduction of 8 shops and addition of 27 flats through addition of a floor in Building C.
6.New project/expansion in existing project/modernization/diversification in existing project	Amendment in Environment Clearance
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Previous EC dated 19 -Dec 2014 SEAC-III-2014/C.R./TC-3
8.Location of the project	S.No. 9/2/2 & 9/2/3B (Part)
9.Taluka	Haveli
10.Village	Ambegaon Budruk
Correspondence Name:	Mr. Sandeep Maheshwari
Room Number:	205
Floor:	NA
Building Name:	Citi Center
Road/Street Name:	Karve Road
Locality:	Opposite Ayurved Rasashala
City:	Pune
11.Area of the project	Pune Municipal Corporation (PMC)
12.IOD/IOA/Concession/Plan Approval Number	CC/3772/18 Dated 28-02-2019, (OLD Sanction no. BHA/Ambegaon Bk./S.no.9/2/2+9/2/3B(P)/Case no. 740/16-17 Dated 09-03-2017)
	IOD/IOA/Concession/Plan Approval Number: CC/3772/18 Dated 28-02-2019
	Approved Built-up Area: 27505.23
13.Note on the initiated work (If applicable)	Work initiated as per previous EC vide No. SEAC-III-2014/CR/TC-3 dated 19-Dec-2014 Construction completed as on date is 28836.98 Sqm
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	Existing - 17,450.00 m2, Proposed - 17,450.00
16.Deductions	Existing - 2,617.50 m2, Proposed - 2617.50
17.Net Plot area	Existing - 14,832.50 m2, Proposed- 14,832.50 M2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** Existing - 14,990.02, Proposed - 740.93, Total - 15730.95
	b) Non FSI area (sq. m.): Existing - 14,833.23, Proposed - (- 363.83) , Total - 14469.40
	c) Total BUA area (sq. m.): 30200.35
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 15730.95 Sqm
	Approved Non FSI area (sq. m.): 11774.28
	Date of Approval: 28-02-2019
19.Total ground coverage (m2)	Existing:- 24.60 % Proposed:- No change
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Existing - 1862, Proposed- 1862
21.Estimated cost of the project	5000000

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22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Wing A	Existing - P + 11, Proposed- No change	34.20
2	Wing B	Existing - B + P+11, Proposed - No change	34.20
3	Wing C	Existing - B+P+ 10, Proposed - Increase of 1 floor (addition of 27 Flats	34.28
4	Commercial Building	Existing - G + 1st Floor, Proposed - No Change in structure, however 8 shops deducted	34.28
5	Club House	Existing - G+1, Proposed - No change	7.65

23.Number of tenants and shops	Tenements- Existing - 274, Proposed - 27, Total - 301 Shops- Existing - 32, Proposed- (-8), Total - 24
24.Number of expected residents / users	Residential- Existing - 1370, Proposed- 135, Total- 1505, Commercial - Existing - 125, Proposed - (-15), Total - 110
25.Tenant density per hectare	250 per hector as per DCR
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	12.00
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.00
29.Existing structure (s) if any	Work initiated as per previous EC vide No. SEAC-III-2014/CR-334/TC-3. Construction completed as on date is 28836.98 Sqm
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

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Dry season:	**Source of water**	Pune Municipal Corporation
	Fresh water (CMD):	As per previous EC- 123 KL, Proposed - 138 KL
	Recycled water - Flushing (CMD):	As per previous EC- 62 KL, Proposed - 72 KL
	Recycled water - Gardening (CMD):	As per previous EC- 14.66 KL, Proposed - 15 KL
	Swimming pool make up (Cum):	As per previous EC- NA KL, Proposed - 3.71 KL
	Total Water Requirement (CMD) :	As per previous EC- 199.66 KL, Proposed - 224 KL
	Fire fighting - Underground water tank(CMD):	As per previous EC- 150 KL, Proposed - 150 KL
	Fire fighting - Overhead water tank(CMD):	As per previous EC- NA, Proposed - 60 KL
	Excess treated water	As per previous EC- 98 KL, Proposed - 107 KL
Wet season:	**Source of water**	Pune Municipal Corporation
	Fresh water (CMD):	As per previous EC- 123 KL, Proposed - 138 KL
	Recycled water - Flushing (CMD):	As per previous EC- 62 KL, Proposed- 72 KL
	Recycled water - Gardening (CMD):	As per previous EC- NA, Proposed - NA
	Swimming pool make up (Cum):	As per previous EC- NA, Proposed- 3.71 KL
	Total Water Requirement (CMD) :	As per previous EC- 185 KL, Proposed - 224 KL
	Fire fighting - Underground water tank(CMD):	As per previous EC- NA, Proposed - 150 KL
	Fire fighting - Overhead water tank(CMD):	As per previous EC- NA, Proposed - 60 KL
	Excess treated water	As per previous EC- 111 KL, Proposed - 122
Details of Swimming pool (If any)	Main Pool Size :13.60m. X 7.30m. X 1.20m. depth Baby Pool: 3.97 X 3.91m. X 0.60m. depth Total water Requirement in KLD: 131 KLD Water requirement for make up in KLD: 3.71KLD	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	205	20	185	20.5	2	22.5	18.45	18	20.25
Gardening	15	--	--	15	--	--	--	--	--

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	2.5 - 5 m
	Size and no of RWH tank(s) and Quantity:	N.A.
	Location of the RWH tank(s):	N.A.
	Quantity of recharge pits:	5 Nos.
	Size of recharge pits :	5m x 3m x 2m
	Budgetary allocation (Capital cost) :	12.05 Lakh
	Budgetary allocation (O & M cost) :	2.00 Lakh/Annum
	Details of UGT tanks if any :	Residential:- Domestic UG Tank Capacity:- 207 KL Flushing UG Tank Capacity:- 108 KL Fire UG Tank Capacity:- 150 KL Commercial:- Domestic UG Tank Capacity:- Consider in Residential Flushing UG Tank Capacity:- Consider in Residential Fire UG Tank Capacity:- Consider in Residential
35.Storm water drainage	**Natural water drainage pattern:**	As per Contour
	Quantity of storm water:	4280 Cum/Year
	Size of SWD:	RCC pipe from 450 mm x 450 mm gutter with slope 1:200
Sewage and Waste water	**Sewage generation in KLD:**	202.2 KL
	STP technology:	MBBR
	Capacity of STP (CMD):	1, 205
	Location & area of the STP:	Shown on Master Plan
	Budgetary allocation (Capital cost):	58,000,00
	Budgetary allocation (O & M cost):	8.00,000
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	1 % of waste Material
	Disposal of the construction waste debris:	Through Authorized Agency
Waste generation in the operation Phase:	**Dry waste:**	296.17 Kg/day
	Wet waste:	423.63 Kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	18 Kg/day
	Others if any:	NA

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Mode of Disposal of waste:	**Dry waste:**	Through Authorized vendors
	Wet waste:	In Situ composting unit
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	In situ Composting
	Others if any:	NA
Area requirement:	**Location(s):**	Shown on Master Plan
	Area for the storage of waste & other material:	60 Sq.m
	Area for machinery:	Considered in above area (60 sq.m.)
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	13 Lakh
	O & M cost:	2.30 Lakh/Annum

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable
41.Source of Fuel		Not applicable		
42.Mode of Transportation of fuel to site		Not applicable		

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43.Green Belt Development	**Total RG area :**	2410
	No of trees to be cut :	0
	Number of trees to be planted :	140
	List of proposed native trees :	As elaborated below
	Timeline for completion of plantation :	Before completion of Project

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Plumeria alba	PandharaChafa	09	Attract Birds, Evergreen Tree
2	Lagerstromea Flos-Regia	Tamhan	09	Ornamental
3	Bauhinea Purpurea	Kanchan	14	Shade giving, attract birds
4	Cassia fistula	Bahava	11	Leguminous & nitrogen fixing, drought resistant
5	Erythrina Indica	Pangara	12	Attracts birds, medicinal uses
6	Mimusops Elengi	Bakul	19	Fragrant, evergreen, shade giving
7	Azardiracta Indica	Neem	7	Medicinal Use
8	Butea monosperma	Palas	4	Used for timber , fodder , medicinal
9	Neolamarkia Kadamba	Kadamb	2	Shady, large deciduous, fast growing
10	Roystonea Regia	Royal Palm	4	Medicinal use
11	Areca Catechu	Supari Palm	18	Nuts are used for consumption
12	Bambosa Vulgaris	Golden Bamboo	3	Erosion Control
13	Michellia Champaca	Sonchafa	10	Medium size evergreen tree, fragrant flowers
14	Khaya Grandifolia	Mahogany	2	Tree barks widely used as timber
15	Couroupita Guianansis	Kailashpati	4	Attracts bees and insects
16	Mangifera indica	Mango	6	Fruit Bearing
17	Artocarpus heterophyllus	Jackfruit	9	Fruit Bearing
45.Total quantity of plants on ground				

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46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	Hedychium coronarium	NA	120.1
2	Murraya Exotica	NA	40.1
3	Oleander Single pink	NA	17.2
4	Tabernemontana varigated	NA	78.7
5	Jasmanium grandiflorum	NA	9.6
6	Meyenia erecta	NA	20.4
7	Hymenocallis	NA	100.3

8	Cascabela thevetia	NA	39
9	Wadelia trilobata	NA	14.8
10	Hamelia Patens dwarf	NA	88.9
11	Ces Alpinea red	NA	31.6
12	Cross Andra infundibuliformis	NA	16.7
13	Barleria repens	NA	13.8
14	Oleander dwarf	NA	34.2
15	Plumbago capansis	NA	54.4
16	Ocimum tenuiflorum	NA	83.8
17	Mussaendra erythrophylla	NA	7.2
18	Galphimea glauca	NA	35.9

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	75 KW
	DG set as Power back-up during construction phase	30 KVA
	During Operation phase (Connected load):	1400 KW
	During Operation phase (Demand load):	697 KW
	Transformer:	630 KVA X 1, 315 KVA Xx1
	DG set as Power back-up during operation phase:	125 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

1. Solar PV Panels
2. Timer Logic Controller
3. V3F Electronic Drive for Lifts
4. Solar Water Heater

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar PV PANELS	10800 KWH/Annum
2	Timer Logic Controller	41461 KWH / Annum
3	Electronic V3F drive for Lifts	11436 KWH/ Annum
4	Solar Water Heater	523740 KWH / Annum
5	Total	587437 KWH / Annum (21.57%)

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50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Waste Water Generation	STP	STP
Wet Garbage	OWC	OWC

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	58.83 LAKH
	O & M cost:	2.00 Lakh/ Annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Completed	Completed	Completed

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	To treat Waste water	58.00	8.00
2	Solid waste Management	To treat wet waste	13.00	2.00
3	Rain water Harvesting	To collect Rain water	12.00	2.00
4	Green belt development	To maintain Greenery	7.00	2.00
5	Energy Saving	To save electrical energy	58.00	2.00
6	Swimming Pool	--	22.00	2.00
7	Environment Monitoring	Air, water, Noise Monitoring	--	2.00

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1

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Parking details:	**Number and area of basement:**	Nil
	Number and area of podia:	Nil
	Total Parking area:	5219.40 m2
	Area per car:	30 sqm & 25 Sqm
	Area per car:	30 sqm & 25 Sqm
	Number of 2-Wheelers as approved by competent authority:	526
	Number of 4-Wheelers as approved by competent authority:	91
	Public Transport:	--
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	8 (a)
	Court cases pending if any	NO
	Other Relevant Informations	Not Applicable
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-

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Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

PP submitted their application for prior Environmental clearance for total plot area of 17,450 m2, FSI area of 15730.95 m2, Non FSI area of 14469.40 m2 and total BUA of 30200.35 m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B2.

DECISION OF SEAC

SEAC-AGENDA-0000000272

During discussion following points emerged:

1. PP to submit details of CER activities in consultation with the affected people in the project area as per MoEF&CC circular dt. 01.05.2018, along with details of fund utilization & agreement or consent of executor.

2. PP to submit master layout superimposing all environmental parameters.

3. PP to submit details of UGT sections and pump room.

4. PP to submit following NOCs : (a) water supply with quantity. (b) CFO.

5. PP to submit survival report of existing planted trees.

*PP requested for time to submit the information sought; after deliberations committee asked PP to **comply with** the observations and submit information to the committee for further discussion and consideration of SEAC.*

Specific Conditions by SEAC:

FINAL RECOMMENDATION

SEAC-III decided to defer the proposal.Kindly find SEAC decision above.

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88 SEAC-3 Day 03

SEAC Meeting number: 88 **Meeting Date** May 30, 2019

Subject: Environment Clearance for Environment Clearance for Expansion of residential construction project with convenient shops at Tathawade, Pune

Is a Violation Case: No

1.Name of Project	Expansion of residential construction project with convenient shops at Tathawade, Pune
2.Type of institution	Private
3.Name of Project Proponent	Mr. Milind Lunkad/ Mr. Ashwin Lunkad
4.Name of Consultant	Oasis Environmental Foundation, accredited by NABET, the scope of consultancy is limited to preparation of environmental management plan only. (In accordance with EIA amendment notification 3rd March 2016)
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in Existing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes, we have received Environment Clearance for existing project (SEIAA-EC-0000000503 dated 6th Nov. 2018)
8.Location of the project	S. No. 125/1/B/1, 125/1/B/2, 125/2/1 &125/2/2 Tathawade pune
9.Taluka	Mulshi
10.Village	Tathawade
Correspondence Name:	Mr. Milind Lunkad/ Mr. Ashwin Lunkad
Room Number:	1 Modibaug
Floor:	Second Floor
Building Name:	1 Modibaugh, Commercial complex shivaji Nagar
Road/Street Name:	Ganeshkhind Road
Locality:	Shivaji Nagar
City:	Pune 411016
11.Area of the project	Pimpri Chinchwad Municipal Corporation (PCMC)
12.IOD/IOA/Concession/Plan Approval Number	Sanctioned No BP/ENV/Tathawade/03/2018 dated 12.07.2018
	IOD/IOA/Concession/Plan Approval Number: Sanctioned No. - BP/ENV/Tathawade/03/2018 dated 12.07.2018
	Approved Built-up Area: 137614.96
13.Note on the initiated work (If applicable)	Work is not initiated at site
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Sanctioned No BP/ENV/Tathawade/03/2018 dated 12.07.2018
15.Total Plot Area (sq. m.)	30,584.16 SQM
16.Deductions	4,648.48 SQM.
17.Net Plot area	25935.68 SQM
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 59,772.28 SQM
	b) Non FSI area (sq. m.): 80,472.58 SQM
	c) Total BUA area (sq. m.): 140244.86
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 59772.28
	Approved Non FSI area (sq. m.): 77842.67
	Date of Approval: 12-07-2018
19.Total ground coverage (m2)	15,061.74
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	49.24
21.Estimated cost of the project	2045000000

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22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building A: Wings A1,A2,A3,A4,A5,A6,A7,A8	B + 2 parking + 11 floors	37.25
2	Building B: Wings B1,B2,B3,B4	B + 2 parking + 11 floors	37.25
3	Building C : MHADA	2 Parking + 9 floors	30.85
4	Club House 2 Nos	G + 1	7.05

23.Number of tenants and shops	Proposed number of tenements are 1131 No shops proposed-- 11
24.Number of expected residents / users	5655 (Residential) + 43 (Commercial) = Total Population- 5698
25.Tenant density per hectare	Tenement Density / hectare: 339
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Nearest Fire Station is Pradhikaran Fire Station – at distance of 5.21 kms. Width of Road – 12 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Turning radius for easy access of fire tender movement from all around the building is 9 m
29.Existing structure (s) if any	Nil
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

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Dry season:	**Source of water**	PCMC
	Fresh water (CMD):	512 (including Club House)
	Recycled water - Flushing (CMD):	255
	Recycled water - Gardening (CMD):	62
	Swimming pool make up (Cum):	6
	Total Water Requirement (CMD) :	835
	Fire fighting - Underground water tank(CMD):	75
	Fire fighting - Overhead water tank(CMD):	25
	Excess treated water	373
Wet season:	**Source of water**	PCMC
	Fresh water (CMD):	512 (including Club House)
	Recycled water - Flushing (CMD):	255
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	6
	Total Water Requirement (CMD) :	773
	Fire fighting - Underground water tank(CMD):	75
	Fire fighting - Overhead water tank(CMD):	25
	Excess treated water	435
Details of Swimming pool (If any)	Dimensions of Main Pool: 7.5 m X 18 m X 1.5 m Dimensions of Kids pool: 10m X 5m X 0.9m Total Water Requirement: 207 CUM Water Requirement for Make Up: 6 CUM/DAY Details of Plant and Machinery used for treatment of water: High rate sand filters, filter media, Self-Priming pump, Control panel for pump, Vacuum fitting Chemicals required for maintaining the Swimming Pool. Disinfection by: Ozonation/ UV Treatment	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Fresh water requirement	-	512	512	-	51	51	-	460	460

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Domestic	-	255	255	-	25	25	-	230	230
Gardening	62	0	62	0	0	0	62	0	62

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	4-5 m
	Size and no of RWH tank(s) and Quantity:	Not applicble
	Location of the RWH tank(s):	Not applicable
	Quantity of recharge pits:	10
	Size of recharge pits :	2 Mt. x 2 Mt. x 1.5 Mt
	Budgetary allocation (Capital cost) :	2,50,000
	Budgetary allocation (O & M cost) :	15,000
	Details of UGT tanks if any :	1. Domestic UG tank Capacity: 500 m3 2. Drinking Water UG Tank Capacity: 100 m3 3. Flushing UG tank Capacity : 275 m3 4• Fire UG tank Capacity : 75 m3
35.Storm water drainage	**Natural water drainage pattern:**	From North side to South
	Quantity of storm water:	26.61 m3/min
	Size of SWD:	450 mm
Sewage and Waste water	**Sewage generation in KLD:**	690
	STP technology:	MBR Technology
	Capacity of STP (CMD):	2 Nos. of STP Proposed of 350 KLD capacity .(Total capacity 700 KLD)
	Location & area of the STP:	Near Building A8 & B1.
	Budgetary allocation (Capital cost):	40,00,000
	Budgetary allocation (O & M cost):	4,00,000

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	100 kg/day total solid waste from labour camp.
	Disposal of the construction waste debris:	Debris shall be used for back filling and leveling of the plot and remaining will be disposed to authorized sites.
Waste generation in the operation Phase:	**Dry waste:**	1137 kg/day
	Wet waste:	1700 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	65 kg/day
	Others if any:	NA

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Mode of Disposal of waste:	**Dry waste:**	Will be handed over to SWACH
	Wet waste:	Will be treated in Organic waste converter/ Vermicomposting. Manuare generated will be used for landscaping
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be used as manure after treatment in OWC
	Others if any:	NA
Area requirement:	**Location(s):**	OWc location - Near B1 & A3.
	Area for the storage of waste & other material:	20
	Area for machinery:	45
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	3,00,000
	O & M cost:	1,20,000

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

Amount of effluent generation (CMD):	Not applicable
Capacity of the ETP:	Not applicable
Amount of treated effluent recycled :	Not applicable
Amount of water send to the CETP:	Not applicable
Membership of CETP (if require):	Not applicable
Note on ETP technology to be used	Not applicable
Disposal of the ETP sludge	Not applicable

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable

41.Source of Fuel	Not applicable
42.Mode of Transportation of fuel to site	Not applicable

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43.Green Belt Development	**Total RG area :**	Mandatory RG Area: 2281.75 (Provided 2923.34) m2, Additional Green Area on Ground: 2,132.43 m2, Green on peripheral plantation: 685.37 m2; Total RG Area: 5,741.64 m2. Green Area on Slab: 3084.39 m2
	No of trees to be cut :	0
	Number of trees to be planted :	No. of trees required (1 tree/ 80 SQM of plot area): 413 nos.; Existing trees to be preserved: 3 nos.; Total No. of trees to be planted: 410.
	List of proposed native trees :	List of proposed trees attached as annexure with form 1 & 1A & Given below
	Timeline for completion of plantation :	5 years

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Bahunia purpurea	Gulabi Kanchan	30	Every part of the plant have Medicinal value, Drought tolerant species The tree has grey bark that peels in long fiber
2	Dalbergia latifolia	Sistal	29	Compound leaves,flowering
3	Sapodila	Chikku	17	Fruit Baring plant
4	Saraca indica	Sita Ashok	50	Medicinal value, Religious plant
5	Ficus glomerata	Umbar	24	Medicinal value,Edible fruits,bird attractive
6	Plumeria Alba	Chafa	31	Most attractive, large & strongly perfumed white flowers
7	Plumeria Rubra	Pink Chafa	24	Popular garden & park plant,fragrant flowers
8	Phyllanthus emblica	Awala	27	Medicinal value, To control soil erosion
9	Syzygium cumini	Jamun	20	Medicinal value, Edible fruit
10	Neolamarckia cadamb	Kadamba	10	The flowers attract pollinators
11	Legistroemia speciosa	Banaba plant	20	A decoction of the bark is used against diarrhoea and abdominal pains. A leaf poultice is used to relief malarial fever and is applied on cracked feet
12	Mangifera indica	Mango	20	Edible fruit, Bird attracting species
13	Erythrina indica	Indian Koral tree/ Parijat	15	Flower Plant. Attracts insects and birds
14	Tectona grandis	Teak	13	Tropical hardwood species, Wood use for furniture
15	Ziziphus mauritiana	Ber	16	Fast growing, Hardy plant, Edible fruit
16	Jack Fruit	Fanas	14	Popular food item, fruit edible
17	Michelia champaka	Sonchafa	30	Fragrant flowers, Timber used in wood working
18	Alizzia lebbeck	Shirish	10	Medium Large tree, native tree
19	Azadirachta Indica	Neem	10	Medicinal plant ,Evergreen plant
20	Total	Trees	410	Nos.

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21	Existing Tree	-	3	-
22	Azadirachta indica	Neem	2	Medicinal Plant
23	Mangifera indica	Mango	1	Fruit bearing tree ,Large tree
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	All Shubs & Bushes	Approx. 300 mm	Approx. 1,000

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	200 KW
	DG set as Power back-up during construction phase	2 nos. of DG sets of 250 KVA
	During Operation phase (Connected load):	4841 KW
	During Operation phase (Demand load):	2,220 KW
	Transformer:	4 no. of Transformers of 630 KVA capacity
	DG set as Power back-up during operation phase:	2 nos. of DG sets of 500 KVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

1. Timer Logic Controller : 210437 KWH / Anum
2. Electronic V3F drive for Lifts : 52280 KWH / Anum
3. Solar Water Heater : 1050403.2 KWH / Anum
4. Use of CFL / LED lamps in all common areas.

Total % of Savings: 15 %

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Timer Logic Controller	210437 KWH / Anum
2	Electronic V3F drive for Lifts	52280 KWH / Anum
3	Solar Water Heater	1050403.2 KWH / Anum

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed

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Waste water generated from house hold activity	Not applicable	STP will be installed in operation phase to treat waste water
Solid waste generation	Not applicable	Organic composting machine

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	NA
	O & M cost:	NA

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Erosion Control	Water for dust suppression measures & Soil Preservation	0.5
2	Site Safety	Barricading & nets	0.3
3	Site Sanitation	Mobile Toilets etc	1.50
4	Disinfection & Health Check Up	For Labours	1.0
5	Environment Monitoring	Air, Water, Noise & DG Stack	0.7

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Energy Saving	Approx. 15%	5.00	0.50
2	STP	Capacity of STP 700 KLD	40	4
3	OWC	For Wet Waste Generation	3	1.20
4	Solar Hot Water System	For 60 KLD Capacity	30	2.5
5	Rain Water Harvesting	10 nos. of recharge pits	2.5	0.15
6	Landscaping	Total trees proposed are 410 nos	4	0.40
7	Environmental monitroring	Environmental monitroring	0	2.60

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation

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Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Traffic generated from this project will confluent on existing 9 m and proposed 24 m wide road
Parking details:	**Number and area of basement:**	1 nos. of basement. Area: 30329.87 Sqm
	Number and area of podia:	NA
	Total Parking area:	Total Parking area proposed = Basement +Two parking (32,959.78 Sq m.) + Open Parking (1, 152.45.) Total parking area = 34,112.23 Sq m
	Area per car:	35
	Area per car:	35
	Number of 2-Wheelers as approved by competent authority:	2280 nos.
	Number of 4-Wheelers as approved by competent authority:	572 nos.
	Public Transport:	Nearest Bus Stop
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	AN
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8 (a) B2
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-
Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

PP remained **absent**. The proposal was **deferred.**

DECISION OF SEAC

PP remained **absent**. The proposal was **deferred.**

Specific Conditions by SEAC:

FINAL RECOMMENDATION

Kindly find SEIAA decision above.

SEAC-AGENDA-0000000272

88 SEAC-3 Day 03

SEAC Meeting number: 88 **Meeting Date** May 30, 2019

Subject: Environment Clearance for Proposed Multi-Specialty Hospital construction project "SPANV Medisearch Lifesciences Pvt. Ltd."

Is a Violation Case: No

1.Name of Project	Proposed Multi-Specialty Hospital construction project "SPAN V Medi-Search Life Science Pvt. Ltd." at Plot no- 44, House no- 258/259, City survey no- 2112, Sheet no- 177/32, Mouza Sitabuldi, Circle No. -23/26, Ward No 65 (Old), S.V.Patel Road, Nagpur
2.Type of institution	Private
3.Name of Project Proponent	Dr. Prakash Khetan
4.Name of Consultant	SMS Envocare Ltd., Pune
5.Type of project	Other (Construction of Multi-Specialty Hospital)
6.New project/expansion in existing project/modernization/diversification in existing project	New Project (Modernization)
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Plot no- 44, House no- 258/259, City survey no- 2112, Sheet no- 177/32, Mouza Sitabuldi, Circle No. -23/26, Ward No 65 (Old), S.V.Patel Road
9.Taluka	Nagpur
10.Village	NAgpur
Correspondence Name:	Dr. Prakash Khetan
Room Number:	Plot No. 44
Floor:	NA
Building Name:	Kingsway, Besides LIC of India
Road/Street Name:	Station road
Locality:	Kasturchand Park
City:	Nagpur, (M.S) - 440001
11.Area of the project	Nagpur Municipal Corporation, Nagpur
12.IOD/IOA/Concession/Plan Approval Number	Building Planning and Approval Authority, Nagpur Municipal Corporation, Nagpur
	IOD/IOA/Concession/Plan Approval Number: 79/BD/SITABULDI/TP/NMC/88 Dated 21.12.2016
	Approved Built-up Area: 30476.548
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	79/BD/SITABULDI/TP/NMC/88
15.Total Plot Area (sq. m.)	5501.13
16.Deductions	778.508
17.Net Plot area	4722.622
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 17593.77
	b) Non FSI area (sq. m.): 12882.778
	c) Total BUA area (sq. m.): 30476.548
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 17593.77
	Approved Non FSI area (sq. m.): 12882.778
	Date of Approval: 16-12-2016
19.Total ground coverage (m2)	2678.89
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	49%
21.Estimated cost of the project	2500000000

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22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Kingsway Hospitals, SPANV Medisearch Lifesciences Pvt. Ltd.	2 B+ 8 F	39.5

23.Number of tenants and shops	NA
24.Number of expected residents / users	300
25.Tenant density per hectare	NA
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	24 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	B1 + B2 + 8F having total area 13557.150 Sq. M.
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

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Dry season:	**Source of water**	NMC & Ground Water
	Fresh water (CMD):	205
	Recycled water - Flushing (CMD):	163
	Recycled water - Gardening (CMD):	150.9
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	518
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	70
	Excess treated water	NA
Wet season:	**Source of water**	NMC & Ground Water
	Fresh water (CMD):	205
	Recycled water - Flushing (CMD):	163
	Recycled water - Gardening (CMD):	150.9
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	518
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	70
	Excess treated water	NA
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	7-15 m
	Size and no of RWH tank(s) and Quantity:	25000 litres
	Location of the RWH tank(s):	Near Open Well
	Quantity of recharge pits:	9
	Size of recharge pits :	3 x 3 x 3.5
	Budgetary allocation (Capital cost) :	5 lakhs
	Budgetary allocation (O & M cost) :	Rs. 10000
	Details of UGT tanks if any :	NA
35.Storm water drainage	**Natural water drainage pattern:**	Dendritic drainage patterns
	Quantity of storm water:	468 kl
	Size of SWD:	150 mm Dia
Sewage and Waste water	**Sewage generation in KLD:**	168 KLD
	STP technology:	Moving Bed Bio Reactor (MBBR)
	Capacity of STP (CMD):	1 No with 200 KLD
	Location & area of the STP:	Lower BAsement
	Budgetary allocation (Capital cost):	40 lakhs
	Budgetary allocation (O & M cost):	9 lakhs
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	NA
	Disposal of the construction waste debris:	To Authorized Vendor appointed by MPCB
Waste generation in the operation Phase:	**Dry waste:**	180 kg/day
	Wet waste:	420 kg/day
	Hazardous waste:	2 kg /day
	Biomedical waste (If applicable):	150 kg/day
	STP Sludge (Dry sludge):	44 kg/day
	Others if any:	NA

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Mode of Disposal of waste:	**Dry waste:**	Kanak Enterprises, Nagpur
	Wet waste:	Kanak Enterprises, Nagpur
	Hazardous waste:	CHWTSDF, Butibiri, Nagpur
	Biomedical waste (If applicable):	CBMWTF, Nagpur (Super Hygienic, Nagpur)
	STP Sludge (Dry sludge):	Used as an Manure
	Others if any:	NA
Area requirement:	**Location(s):**	Basement
	Area for the storage of waste & other material:	20 Sq. M.
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	20 Lakha
	O & M cost:	12 Lakhs

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	mg/lit	5.5 to 10.5	6.5 to 8.5	6.5 to 8.5
2	TSS	mg/lit	Not applicable	< 30	< 100
3	BOD	mg/lit	150 to 175	< 10	< 30
4	COD	mg/lit	350 to 400	< 30	< 100
5	O & G	mg/lit	200 to 250	Nil	1- 2 Mg/lit
6	Total Nitrogen	mg/lit	<50	Nil	Nil
7	TDS	mg/lit	2600	<2100	<2100

Amount of effluent generation (CMD):	20 CMD
Capacity of the ETP:	30 CMD
Amount of treated effluent recycled :	30 CMD
Amount of water send to the CETP:	Not applicable
Membership of CETP (if require):	Not applicable
Note on ETP technology to be used	Attached as an Seperate Annexure
Disposal of the ETP sludge	CHWTSDF, Butibori, Nagpur

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	ETP Sludge	Not applicable	kg/day	Not applicable	2	2	CHWTSDF, Butibori Nagpur
2	Used oil	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Authorized Vendor

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	DG Sets	HSD 0.21 kg/hr	3	40	0.25	115 oC

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40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	Not applicable	0.21 kg/hr	0.21 kg/hr
41.Source of Fuel		Local Vendor/ Local Market		
42.Mode of Transportation of fuel to site		Road		

43.Green Belt Development	**Total RG area :**	NA
	No of trees to be cut :	0
	Number of trees to be planted :	NA
	List of proposed native trees :	NA
	Timeline for completion of plantation :	NA

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	NA	NA	NA	NA
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	NA	NA	NA

47.Energy

Power requirement:	**Source of power supply :**	SNDL
	During Construction Phase: (Demand Load)	120 KVA
	DG set as Power back-up during construction phase	63 KVA
	During Operation phase (Connected load):	4625 Kw
	During Operation phase (Demand load):	2078 KVA
	Transformer:	2500 KVA x 2
	DG set as Power back-up during operation phase:	3 x 1010 Kva
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

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48.Energy saving by non-conventional method:

Solar Power Generation system of 250 KW capacity is being installed.
Heat pumps are used instead of room geysers.
STP and ETP is installed and entire water is recirculated and reused.
Elevators with duplex monitorig system are installed.
DGU system is used for arresting heat ingress.
Entire terrace is covered by Solar Power generation plant which indirectly reducing heat ingress from Terrace.
Hydropneumatic system with VFD is used to get optimised performance.
Dry type Packaged Power substations are used to avoid use of Oil.
OLTC is used to have optimised voltage levels resulting in low losses at user end due to higher voltages.
Sandwitched vertical risers are used resulting in diminishing requirement of cables and cable losses.
LED based lighting will be done in the entire hospital including common areas, staircases, Consulting rooms, OT etc.
Auto Timer Switches will be provided for Street lights, Parking & staircase Lights & Other Common Area Lights, for saving electrical energy.
Water Level Controllers will be used for Water Pumps.
Centralized Airconditioner system with water cooled Centrifugal Chiller having 0.64 as iKW / Tr are being installed.
Primary Variable pumping system is used. This has eliminated Secondary pumps.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Low Power High Efficiency CFL/LED lights	9.6
2	Low Power High Efficiency t5/LED lights for Parking & Lobby Area	36
3	Energy Saving by Solar PV	959

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Sewage Generation	Not applicable	200 CMDSewage Treatment Plant
Effluent Generation from OT	Not applicable	30 CMD ETP
Stack EmissionNot applicable	Not applicable	Inbuilt in DG Sets

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	115 Lakhs
	O & M cost:	2.1 Lakhs

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water for Dust Suppression	Air Pollution	12
2	Site Sanitataion	Health & Higine	10
3	Environmental Monitoring	Air, Water, Noise & Soil	7
4	Disinfection	Health & Higine	5
5	Health Checkup	Health & Higine	2
6	Safety Measures	Personnel Safety	30

b) Operation Phase (with Break-up):

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Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	Water Pollution Control	39.64	9.16
2	Effluent Treatment Plant	Water Pollution Control	8.96	2.36
3	Rain Water Harvesting & Storm Water Networking	Ground Water Recharge	30	1.5
4	Solid Waste Management	Soild Waste Management	15	10
5	Solar PV Power Plant	Energy Conservation	90	2
6	Energy Fittings	Energy Conservation	25	0.1
7	Environmental Monitoring	Air, Water, Noise & Soil	0	10
8	Safety Trainning & Awareness	Safety	5	5
9	Biomedical & Hazardous Waste Management	Solid Waste MAnagement	15	9
10	HVAC System Management	Air Pollution	1000	32.5

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1 nos

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Parking details:	**Number and area of basement:**	2 Nos
	Number and area of podia:	NA
	Total Parking area:	3403.5 Sq. M.
	Area per car:	12.5 Sq.M.
	Area per car:	12.5 Sq.M.
	Number of 2-Wheelers as approved by competent authority:	478
	Number of 4-Wheelers as approved by competent authority:	180
	Public Transport:	Available with in 30 m from the Project site
	Width of all Internal roads (m):	9 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8a
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

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SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-

Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

PP submitted their application for prior Environmental clearance for total plot area of 5501.13 m2, FSI area of 17593.77 m2, Non FSI area of 12882.77 m2 and total BUA of 30476.54 m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B2.

DECISION OF SEAC

During meeting, PP informed that they have carried out 30476.546 m2 construction on site, and the same was carried out before 14th September, 2006. However, PP has not carried out supporting documents along with plinth completion certificate etc.

PP requested for time to submit the information sought; after deliberations committee asked PP to ***comply with*** *the observations and submit information to the committee for further appraisal of SEAC.*

Specific Conditions by SEAC:

FINAL RECOMMENDATION

SEAC-III decided to defer the proposal.Kindly find SEAC decision above.

SEAC-AGENDA-0000000272

88 SEAC-3 Day 03

SEAC Meeting number: 88 **Meeting Date** May 30, 2019

Subject: Environment Clearance for Expansion of Residential project “Anjor” at S. no. 88+65, Virbhadranagar, Near Ganraj mangal Karyalaya, Baner, Pune by M/s. New Front Developers

Is a Violation Case: No

1.Name of Project	Expansion of Residential project “Anjor” at S. no. 88+65, Virbhadranagar, Near Ganraj mangal Karyalaya, Baner, Pune by M/s. New Front Developers
2.Type of institution	Private
3.Name of Project Proponent	Mr. Mukund Deshpande
4.Name of Consultant	-
5.Type of project	Residential
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes. EC vide letter no. SEAC-2010/CR.416/TC.2 dated 31st January, 2011.
8.Location of the project	S. no. 88+65, Virbhadranagar, Near Ganraj mangal Karyalaya, Baner, Pune
9.Taluka	Haveli
10.Village	Baner
Correspondence Name:	Ms. Rupali Phanase
Room Number:	-
Floor:	-
Building Name:	-
Road/Street Name:	Shivajinagar
Locality:	Shivajinagar
City:	Pune
11.Area of the project	Pune Municipal Corporation (PMC)
12.IOD/IOA/Concession/Plan Approval Number	Received
	IOD/IOA/Concession/Plan Approval Number: CC/3542/18 dated 13.02.2019
	Approved Built-up Area: 38129.8
13.Note on the initiated work (If applicable)	Total constructed area on site as per EC : 33742.08 sq. m (FSI 20314.12 sq. m + Non FSI 13427.96 sq. m)
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	23322.00 sq. m
16.Deductions	7138.35 sq. m
17.Net Plot area	16183.65 sq. m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 23217.9 sq. m
	b) Non FSI area (sq. m.): 14911.9 sq. m
	c) Total BUA area (sq. m.): 38129.8
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 23217.9 sq. m
	Approved Non FSI area (sq. m.): 14911.9 sq. m
	Date of Approval: 13-02-2019
19.Total ground coverage (m2)	3367.81 sq. m
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	20.60 %
21.Estimated cost of the project	155000000

22.Number of buildings & its configuration

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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building A	B + G +9 floors	29.25 mtr.
2	Building B	B + G +9 floors	29.25 mtr.
3	Building C	B + G +9 floors	29.25 mtr.
4	Building D	B + G +9 floors	29.25 mtr.
5	Building E	G +9 floors	28.50 mtr.
6	Building F	G + 11 floors	35.95 mtr.
7	Building G	P + 10 floors	36.00 mtr.

23.Number of tenants and shops	Residential : 243 no's (Existing 223 + Proposed 20)
24.Number of expected residents / users	Residential population : 1215
25.Tenant density per hectare	250 ha.
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Existing 6.00 m approach road to internal 9.00 m road to the nearest fire station at Aundh & Pashan.
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.00
29.Existing structure (s) if any	Bldg A to F are constructed as per earlier EC.
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

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Dry season:	**Source of water**	PMC
	Fresh water (CMD):	114
	Recycled water - Flushing (CMD):	55
	Recycled water - Gardening (CMD):	14
	Swimming pool make up (Cum):	10
	Total Water Requirement (CMD) :	193
	Fire fighting - Underground water tank(CMD):	350
	Fire fighting - Overhead water tank(CMD):	140
	Excess treated water	64.35
Wet season:	**Source of water**	PMC
	Fresh water (CMD):	114
	Recycled water - Flushing (CMD):	55
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	10
	Total Water Requirement (CMD) :	179
	Fire fighting - Underground water tank(CMD):	350
	Fire fighting - Overhead water tank(CMD):	140
	Excess treated water	78.35
Details of Swimming pool (If any)	• Area of Swimming Pool: 104 sq. m • Capital Cost: Rs. 11,00,000 /- • O & M cost: - Rs. 1,70,000 /- per year	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Pre monsoon – 15 to 20 mt BGL Post monsoon – 5 to 7 mt. BGL
	Size and no of RWH tank(s) and Quantity:	1 tank provided of capacity 900 cu. ft
	Location of the RWH tank(s):	Shown in plan
	Quantity of recharge pits:	15 no's
	Size of recharge pits :	1.20 X 2.00 X 1.20 MTR.
	Budgetary allocation (Capital cost) :	Rs. 7,50,000 /-
	Budgetary allocation (O & M cost) :	Rs. 15,000 /- per year
	Details of UGT tanks if any :	Domestic UG tank Capacity (cum) : 180 KLD Flushing tank Capacity(cum) : 50 KLD Fire UG tank Capacity (cum) : 350 KLD
35.Storm water drainage	**Natural water drainage pattern:**	As per contour
	Quantity of storm water:	17 m3 / min.
	Size of SWD:	300 mm
Sewage and Waste water	**Sewage generation in KLD:**	148.03 KLD
	STP technology:	Activated Sludge Process
	Capacity of STP (CMD):	175 KLD
	Location & area of the STP:	Area : 120 sq. m
	Budgetary allocation (Capital cost):	Rs. 32,00,000 /-
	Budgetary allocation (O & M cost):	Rs. 6,50,000 /- per year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	25 kg/day
	Disposal of the construction waste debris:	Will be used in site premises
Waste generation in the operation Phase:	**Dry waste:**	243 kg/day
	Wet waste:	365 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	47 kg/day
	Others if any:	E-waste : 1.66 kg/day

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Mode of Disposal of waste:	**Dry waste:**	To authorized vendor
	Wet waste:	Treatment of OWC
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be used as a manure
	Others if any:	E-waste will be handed over to To authorized vendor
Area requirement:	**Location(s):**	Shown in plan
	Area for the storage of waste & other material:	Area : 40 sq. m
	Area for machinery:	Considered in above
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 9,00,000 /-
	O & M cost:	Rs. 2,70,000 /- per year

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable
41.Source of Fuel		Not applicable		
42.Mode of Transportation of fuel to site		Not applicable		

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43.Green Belt Development	**Total RG area :**	Total RG area required (10 %) : 2257.60 sq. m Total RG area provided (10.01 %) : 2262 sq. M
	No of trees to be cut :	0
	Number of trees to be planted :	370 (Existing as per earlier EC 320 + Proposed 50)
	List of proposed native trees :	Provided below
	Timeline for completion of plantation :	Up to completion of project

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadirchata indica	Neem	16	Medicinal value, it purifies air, Shade giving tree, Pollution Tolerant.
2	Anthocephalous Kadamba	Kadamba	18	Medicinal value, To control soil erosion, Birds, squirrels, monkey eat fruits.
3	Bauhinia blackiana	kanchanraj	12	Well flowering plant, used as a specimen or group plantation, Ornamental Value.
4	Cassia fistula	bahawa	18	Medicinal value, Drought tolerant species, Very ornamental, Well flowering plant, Honey bee attracting species, Host plant for Butterfly.
5	Ficus glomerata	Umber	05	Bird attracting, shade giving tree, Fruits are edible, Medicinal Value, leaves are used to control pests.
6	Bauhinia purpurea	Gulabi-Kanchan	08	Evergreen tree, Ornamental Value, Shade giving tree, To control soil erosion, medicinal value.
7	Butea monosperma	palas	06	Deciduous tree, leaves are used for making leaf plates and cups and beedi wrapping. The flowers are used to prepare a traditional Holi colors.
8	Mangifera indica	Mango	54	Fruits are edible, Shade giving tree, Evergreen tree, Medicinal Value, wood is used to making musical instrument & furniture., Avenue plantation.
9	Saraca indica	Ashoka	05	Evergreen tree, Medicinal Value, Shade Giving tree, Ornamental Value.
10	Syzygium cumini	jambhul	05	Fruits are edible, Medicinal Value, for strong heavy timber and good fuelwood, , Shade giving tree.
11	Tamarindus indica	Chinch	05	Fruits are edible, Shade giving tree, Medicinal value, Ornamental Value, Suitable for Boundary planting.

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12	Phyllanthus emblica	Awala	06	Edible fruit rich in vitamin C , Medicinal Value, ingredients used in shampoos, oil, candy , pickle, jellies, powder, dying industries.
13	Swietenia mahogany	Mahogany	28	Medicinal Value, planted for its hardy wood,Ornamental Value.
14	Nyctanthes arbortristic	parijatak	23	Seed yield a fixed oil, Powdered seeds used for scurfy affections of the scalp, medicinal value.
15	Tabebuia rosea	Tumpet tree	09	Deciduous tree with spreading crown, specimen tree, can be used for mass plantation
16	Pongamia pinnata	karanj	06	Medicinal Value , Shade giving tree, Avenue Planting, nitrogen fixing ability.
17	Murraya Koengii	Kadipatta	20	Medicinal value, leaves used for flavouring, Ornamental plants.
18	Aegle marmelos	Bel	06	Medicinal value, leaves used in pooja, can be used in landscape with good effects, Fruit is edible.
19	Mimusops elengii	Bakul	06	Evergreen tree, used for Group plantation, Fruit is edible, Medicinal value.
20	Michelia champaca	Sonchafa	06	Medicinal value, Fragrant flowers, Butterfly larvae host plant, Bird attracting species, Fast growing.
21	Erythrina indica	Pangara	05	Fast growing deciduous tree, Ornamental Value, It is very important as a support plant for crops such as betel, black pepper, jasmine, grape and yams, Shade giving tree.
22	Citrus lemonica	Lemon	19	Fruit juice rich in vitamin C, Medicinal value.
23	Anona reticulata	Ramphal	03	Fruit are edible, Medicinal value.
24	Bombax ceiba	katesawar	07	Large deciduous tree, Flowers attracts many birds
25	Elaeocarpus sphaericus	Rudraksha	03	Evergreen tree, used in jwellery making, medicinal value, ornamental.
26	Ficus benghalensis	Wad	01	Ornamental value, Shade giving tree, Medicinal Value, Suitable for specimen tree & boundary plantation
27	Murraya paniculata	Kunti	05	Small tree, Fragrant white flower, butterfly host plant
28	Ficus religiosa	Pimpal	02	Ornamental value, Shade giving tree, Medicinal Value, Suitable for specimen tree & boundary plantation
29	Terminalia arjuna	Arjun	08	Evergreen tree, , Medicinal Value, Suitable for wood is very hardy used in making agricultural implements, boat & house making.

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30	Santalum albun	Chandan	01	Wood & oil is used in medicine, wood has great market value. The plant has special significance in Hindu devotional practice
31	Holoptelia integrifolia	wawal	03	Wood & oil is used in medicine, wood has great market value. The plant has special significance in Hindu devotional practice
32	Memcylon umbellatum	Anjani	01	The plant use as a food, medicine and source of materials. It is often grown as an ornamental, valued especially for its floral display, wood has a good fuel value.
33	Ailanthus Excelsa	Maharukh	05	Medicinal value, Shade giving tree, Deciduous tree, used in matchstick industry. It is used as fodder for goats in India
34	Albizzia Lebek	Shirish	05	Used for medicine and wood, , Shade giving tree, valued honey tree because of its production of both nectar and pollen.
35	Dalbergia Shisoo	Shisav	05	It's a most prized timber tree, Shade giving & to control soil erosion & soil fertility, Ornamental tree.
36	Ficus arnottiana	payar	05	Deciduous tree, Medicinal value, Shade giving tree.
37	Ficus microcarpa	Nandruk	05	Ornamental value, Shade giving tree, Medicinal Value, Suitable for Boundary planting
38	Artocarpus integrifolia	Fanas	05	Shade giving tree, bird attracting, fruit bearing tree, Edible fruit, Medicinal Value.
39	Putranjiva roxburghii	Putranjiva	05	Evergreen tree , Medicinal value, tree has nice cascading look , shade giving tree. Ornamental plant.
40	Gemelina arborea	Shivan	05	Fast growing deciduous tree, Ornamental Value, wood is of best quality,
41	Cochlospermum religiosum	Sonaswar	05	Specimen tree, Medicinal Value, used for the its gum., Suitable for Boundary planting.
42	Cordia dichotoma	Bhokar	05	Fast Growing tree, Butterfly attracting, Suitable for Boundary planting.
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	-	-	-

47.Energy

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Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	20 KW
	DG set as Power back-up during construction phase	30 KVA
	During Operation phase (Connected load):	1561 KW, 1951 KVA
	During Operation phase (Demand load):	998 KW, 1247 KVA
	Transformer:	2 x 630 KVA
	DG set as Power back-up during operation phase:	125 KVA & 62.5 KVA
	Fuel used:	Diesel 125 KVA DG : 23.20 liters. /hr. 62.5 KVA DG: 13.64 liters. /hr.
	Details of high tension line passing through the plot if any:	No

48.Energy saving by non-conventional method:

• Use of LED in Parking area, lift-lobby and stair-case.
• Using Solar system in Common Area Lighting & Street/ Landscape lights with LED lamps.
• V3F drive is proposed for all lifts.
• As per MSEDCL requirements, it is recommended to use low loss Transformer. Losses for Transformer shall, in principal, comply with ECBC norms.
• Recommend to attain power factor of the installation near unity.
• Independent Energy meters for all pollution control equipments.
• Solar hot water system
• Solar PV panels

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	LED lightening + Solar street lights + Solar hot water + Solar PV	19 %

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 55, 59,000 /-
	O & M cost:	Rs. 2,77,000 /- per year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air	Erosion control – dust suppression measures and barricading	Rs. 1,06,000 /-

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2	land	Site Sanitation	Rs. 26,500 /-
3	Health & safety	Site Safety	Rs.88,000 /-
4	Environment management	Environmental Monitoring	Rs. 1,20,000 /-
5	Health & safety	Disinfection and Health Check-ups	Rs. 45,000 /-

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	1 STP	Rs. 32,00,000 /-	Rs. 32,00,000 /-
2	Rain Water Harvesting	15 no's of pits	Rs. 7,50,000 /-	Rs. 15,000 /-
3	Solid Waste Management	1 OWC	Rs. 9,00,000 /-	Rs. 2,70,000 /-
4	Green Belt Development	370 (Existing as per earlier EC 320 + Proposed 50)	Rs. 1,87,60,200 /-	Rs. 30,01,632 /-
5	Energy details	Solar system	Rs. 55,59,000 /-	Rs. 2,77,000 /-
6	Environmental Monitoring	-	MoEFCC approved laboratory	Rs. 8,90,000 /-

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Existing 6.00 m approach road to internal 9.00 m road

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Parking details:	**Number and area of basement:**	1 connected basement area : 4995 sq. m
	Number and area of podia:	No
	Total Parking area:	13073.71 sq. m
	Area per car:	12.5 sq. M as per DC rule
	Area per car:	12.5 sq. M as per DC rule
	Number of 2-Wheelers as approved by competent authority:	Scooter -488 , cycles -488
	Number of 4-Wheelers as approved by competent authority:	249
	Public Transport:	Pune City buses
	Width of all Internal roads (m):	6.00 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	None within 10 km
	Category as per schedule of EIA Notification sheet	B2
	Court cases pending if any	NA
	Other Relevant Informations	No
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

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SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-

Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

PP submitted their application for prior Environmental clearance for total plot area of 23322 m2, FSI area of 23217.9 m2, Non FSI area of 14911.9 m2 and total BUA of 38129.8 m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B2.

DECISION OF SEAC

SEAC-AGENDA-0000000272

During discussion following points emerged:

1. In CER, PP has proposed donating instruments etc. to private trust hospital. The same shall be replaced with some other activity useful for public at large.

2. PP to revise fire tender movement indicating clear drive way width.

3. PP to submit cross section of roads at 3-4 places including UGT, OWC and DG set location showing clear road width, distance left from building line & spaces left for plantation, parking, service lines, foot paths, etc.

4. PP to submit parking statement showing total number of parking required and proposed as per DCR with area per car as per norms.

5. PP to submit drainage layout plan till final disposal.

6. PP was unable to submit six monthly compliance report of previous environmental clearance granted vide EC vide letter no. SEAC-2010/CR.416/TC.2 dated 31st January, 2011. PP to submit documentary evidence illustrating compliance of conditions in previous EC.

PP requested for time to submit the information sought; after deliberations committee asked PP to ***comply with*** *the observations and submit information to the committee for further discussion and consideration of SEAC.*

Specific Conditions by SEAC:

FINAL RECOMMENDATION

SEAC-III decided to defer the proposal.Kindly find SEAC decision above.

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SEAC Meeting number: 88 **Meeting Date** May 30, 2019

Subject: Environment Clearance for project by M/s Royal Developers

Is a Violation Case: Yes

1.Name of Project	LINERA
2.Type of institution	Private
3.Name of Project Proponent	Mr. Ashok Dhanraj Chordia
4.Name of Consultant	M/s Sneha Hi-Tech Products
5.Type of project	Residential and Commercial
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Survey No. 121, Hissa No. 2/1/1,2/2/1,2/3/1, 2/4 &2/5,
9.Taluka	Mulshi
10.Village	Wakad
Correspondence Name:	Mr. Vilas Tambe
Room Number:	-
Floor:	Level 8
Building Name:	Solitaire World
Road/Street Name:	Mumbai Bangalore Highway
Locality:	Baner
City:	Pune
11.Area of the project	Pimpri-Chinchwad Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Received
	IOD/IOA/Concession/Plan Approval Number: B.P./Wakad/05/2016
	Approved Built-up Area: 48282.74
13.Note on the initiated work (If applicable)	33788.62 m2 (FSI Area:12913.67 m2 +NON FSI Area:20874.95 m2)
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	16827.00
16.Deductions	5993.02 m2
17.Net Plot area	10833.98 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 20221.59 m2
	b) Non FSI area (sq. m.): 30065.67 m2
	c) Total BUA area (sq. m.): 50287.26
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 20581.68 m2
	Approved Non FSI area (sq. m.): 27701.06 m2
	Date of Approval: 30-06-2016
19.Total ground coverage (m2)	2319.60 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	13.78 % of Total plot area(16827 m2) 21.41 % of Net Plot Area (10833.98 m2)
21.Estimated cost of the project	600000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)

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1	Wing - A	B+Stilt+12	40.45 m
2	Wing - B	B+Stilt+12	40.45 m
3	Wing - C	B+Stilt+12	40.45 m
4	Wing - D	B+Stilt+12	40.45 m
5	Wing - E	B1+B2+Stilt+12	42.20 m
6	Wing - F	B1+B2+Stilt+4	21.80 m

23.Number of tenants and shops	Tenements– 282 Nos. No. of Showrooms-4Nos.
24.Number of expected residents / users	Residential Users: 1410 Nos. Commercial Users: 140 Nos. Total Users: 1550 Nos.
25.Tenant density per hectare	167.58 /hector
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	45 m wide Road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	Not Applicable
30.Details of the demolition with disposal (If applicable)	Not Applicable

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

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Dry season:	**Source of water**	PCMC
	Fresh water (CMD):	207.05 m3/day (One Time)
	Recycled water - Flushing (CMD):	66.25 m3/day
	Recycled water - Gardening (CMD):	9.00 m3/day
	Swimming pool make up (Cum):	1.40 m3/day
	Total Water Requirement (CMD) :	131.80 m3/day
	Fire fighting - Underground water tank(CMD):	250.00m3
	Fire fighting - Overhead water tank(CMD):	100.00 m3
	Excess treated water	95.32 m3/day
Wet season:	**Source of water**	PCMC
	Fresh water (CMD):	198.05 m3/day (One Time)
	Recycled water - Flushing (CMD):	66.25 m3/day
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	1.40 m3/day
	Total Water Requirement (CMD) :	131.80 m3/day
	Fire fighting - Underground water tank(CMD):	250.00m3
	Fire fighting - Overhead water tank(CMD):	100 m3
	Excess treated water	104.32 m3/day
Details of Swimming pool (If any)	Dimension of Swimming Pool: 25.57m2 x 1.2m water depth Total water Requirement in KLD: 33.77 m3 Water requirement in KLD: 1.40 m3/day Details of Plant & Machinery used for treatment of Swimming pool water: Details of quality to be achieved for swimming pool water and parameters to be monitored: Capital cost: Rs. 12.21 Lakh O & M Cost: Rs. 1.68 Lakh/Year	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	8 to 10 m
	Size and no of RWH tank(s) and Quantity:	Not Applicable
	Location of the RWH tank(s):	Not Applicable
	Quantity of recharge pits:	5 Nos.
	Size of recharge pits :	1.5m x 1.5m x 1.5m
	Budgetary allocation (Capital cost) :	Rs. 10.00 Lakh
	Budgetary allocation (O & M cost) :	Rs. 1.00 Lakh/Year
	Details of UGT tanks if any :	Residential & Commercial : Domestic UG tank Capacity – 197 m3 Flushing UG tank Capacity: -100.3 m3 Fire UG tank Capacity: - 250.00 m3
35.Storm water drainage	**Natural water drainage pattern:**	-
	Quantity of storm water:	163 m3/day.
	Size of SWD:	150/200mm dia.
Sewage and Waste water	**Sewage generation in KLD:**	170.57 m3/day
	STP technology:	MBBR
	Capacity of STP (CMD):	1 No. – 190 m3/day
	Location & area of the STP:	110 m2
	Budgetary allocation (Capital cost):	Rs.39.00 Lakh
	Budgetary allocation (O & M cost):	Rs. 5.70 Lakh/Year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	30 Kg/day
	Disposal of the construction waste debris:	Use for Leveling
Waste generation in the operation Phase:	**Dry waste:**	303 kg/day
	Wet waste:	437 kg/day
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	15.35 kg/day
	Others if any:	NA

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Mode of Disposal of waste:	**Dry waste:**	Authorized Vendor
	Wet waste:	Organic Waste Convertor
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Used as manure after treatment in OWC
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	-
	Area for the storage of waste & other material:	50 m2
	Area for machinery:	Included in other area
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 14.75 Lakh
	O & M cost:	Rs. 3.06 Lakh/year

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	500 KVA- 01No.	HSD- 40.00 lit./hr.	S-1	2.25 m	-	-

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	40.00 lit./hr.	-	40.00 lit./hr.
41.Source of Fuel		Bharat Petroleum Corporation Limited/ Hindustan Petroleum		
42.Mode of Transportation of fuel to site		By Roadway		

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43.Green Belt Development	**Total RG area :**	1483.20 m2
	No of trees to be cut :	NA
	Number of trees to be planted :	57 Nos.(Proposed) + 155 Nos.(Already Planted)
	List of proposed native trees :	57 Nos.(Proposed) + 155 Nos.(Already Planted)
	Timeline for completion of plantation :	Before Completion

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Areca catechu	Supari palm	12	Native, Hardy, Fruit bearing, Attracts birds, insects and squirrels
2	Plumeria rubra	Deochapha	15	Flowering, Fast growing, Hardy
3	Cassia fistula	Bahava	10	Medicinal value, Drought tolerant species, Very ornamental, Well flowering plant, Honey bee attracting species, Host plant for Butterfly.
4	Putranjiva roxburghii	Putranjiva	10	Evergreen, Native ,Medicinal value, Drought Resistant
5	Messua ferrea	Nag chafa	10	Native, Fragrant flowers, Attracts insects
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	-	-	-

47.Energy

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Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	93.19 KW
	DG set as Power back-up during construction phase	62.5 KVA – 1 Nos.
	During Operation phase (Connected load):	1260 KW
	During Operation phase (Demand load):	915.31 KW
	Transformer:	02 Nos. x 630 KVA
	DG set as Power back-up during operation phase:	01No.- 500 KVA
	Fuel used:	40.00 lit./hr.
	Details of high tension line passing through the plot if any:	Yes

48.Energy saving by non-conventional method:

- Maximum use of daylight in tenements area by providing appropriate window sizing
- Use of Energy efficient LED lamps in all public/ common areas.
- Optimum building orientation
- Use of energy efficient devices
- Daylight cum occupancy sensors in parking area lighting
- Timer control external lighting
- Solar powered water heating for all tenements

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Common area / external lighting on timers	2%
2	Use of LED lamps in common area	8%
3	Group control for elevators	1.5%
4	Total Energy Saving	15 %

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air	We have provided Part green belt .	-
Water	We have installed STP of capacity 190 KLD for Existing& proposed phase & excess treated water used for flushing & gardening	-
Noise	Acoustically enclosed DG set is installed.Noise monitoring is carried out.	Traffic management plan to be prepared.
Solid Waste	Wet waste & dry waste of existing phase is handed over to PCMC.	Wet waste will be treated in OWC. STP sludge will be used as manure after treatment in OWC dry waste will be given to authorized vendor

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 30.00 Lakh
	O & M cost:	Rs.1.50 Lakh/Year

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51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water for Dust Suppression, Air& Noise Monitoring	0.50
2	Water Environment	Tanker Water for Construction, Water Monitoring	0.50
3	Land Environment	Site Sanitation- Mobile toilets	0.50
4	Socio Economic	Disinfection- Pest Control, First Aid Facilities, Health Check Up, Creches for Children, Food for children, Personal Protective Equipment	1.00

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP	Sewage Treatment Plant	39.00 Lakh	5.70 Lakh/year
2	RWH	Rainwater Harvesting	10.00 Lakh	1.00 Lakh/year
3	MSW(OWC)	Organic Waste Converter	14.75 Lakh	3.06 Lakh/year
4	Energy System	-	30.00 Lakh	1.50 Lakh/year
5	Landscaping	-	15.55 Lakh	1.04 Lakh/year
6	Swimming Pool	-	12.21 Lakh	1.68 Lakh/year
7	Alternate Water Supply	-	-	12.48 Lakh/year
8	Safety Equipment's	-	10.00 Lakh	2.00 Lakh/year
9	Post EC Monitoring	-	-	2.50 Lakh/year
10	Dry Waste Management	-	-	1.69 Lakh/year

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

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53.Traffic Management		
	Nos. of the junction to the main road & design of confluence:	-
Parking details:	**Number and area of basement:**	5122.44 m2
	Number and area of podia:	NA
	Total Parking area:	9344.66 m2
	Area per car:	For Basement Parking- 35 m2, For Covered Parking- 30 m2
	Area per car:	For Basement Parking- 35 m2, For Covered Parking- 30 m2
	Number of 2-Wheelers as approved by competent authority:	624 Nos.
	Number of 4-Wheelers as approved by competent authority:	202 Nos.
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	7.5 m
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	8(a)
	Court cases pending if any	No.
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-

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Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-
Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

PP submitted their application for prior Environmental clearance for total plot area of 16827.00 m2, FSI area of 20221.59 m2, Non FSI area of 30065.67 m2 and total BUA of 50287.26 m2.

Now, the PP has applied as per the MoEF&CC Notification dated 14/03/2017 and 8/03/2018. The PP informed that the total constructed area on site is: 33788.62 m2.

DECISION OF SEAC

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The proposal is appraised as category 8(a) B2. After deliberation, Committee hereby accords approval to the following Terms of Reference for undertaking Environment Impact Assessment (EIA) and preparation of Environment Management Plan (EMP) for further discussion and consideration of SEAC :

Terms of Reference for EIA and preparation of Environment Management Plan (EMP)

1. **Project Description**

1. Project description, its importance and the benefits.

2. Project site details (location, topo-sheet of the study area of 10 Km, Coordinates, google map, layout map, land use, geological features and geo-hydrological status of the study area, drainage). Hydro-geological survey report with graphs & data.

3. Land use as per the approved Master Plan of the area, Permission/approvals required from the land owning agencies, Development Authorities, Local Body, Water supply & Sewerage Board, etc.

4. Land acquisition status, R & R details.

5. Forest and Wildlife and eco-sensitive zones, if any in the study area of 10 km. Any sensitive areas in impact zone such as archaeological structures, reserved forest, noise sensitive zones etc. Clearances required under the Forest (Conservation) Act, 1980, the Wildlife (Protection) Act, 1972 and/or the Environment (Protection) Act, 1986.

6. (G) High Tension wires if any on the plot.

7. (G) Plan showing HFL.

8. (G) Permissions granted by State Government in tabular and chronological form. Comparative statement of components approved and components constructed as per earlier EC (if applicable) and proposed development.

9. (G) PP to submit the detailed master plan indicating already completed construction and proposed construction. PP to submit the certificate from architect for completed work

2. **Base Line Data**

10. (B) Baseline environmental study for ambient air (PM_{10}, $PM_{2.5}$, SO_2, NO, & CO),water (both surface and ground), noise and soil for one month (except monsoon period) as per MoEF&CC/CPCB guidelines at minimum 5 locations in the study area of 10 km, The collection and analysis of data shall be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1986, or an environmental laboratory duly notified under the Environment (Protection) Act,1986, or an environmental laboratory accredited by NABL, or a laboratory of a Council of Scientific and Industrial Research (CSIR) institution working in the field of environment.

11. (C) Detail on flora and fauna and socio-economic aspects in the study area. Details of tree cutting, tree transplantation and survival report of existing trees.

12. (C) Likely impact of the project on the environmental parameters (ambient air surface and ground water, land, flora and fauna and socio-economic, etc.)

13. (B) Source of water for different identified purposes with the permissions required from the concerned authorities, both for surface water and the ground water (by CGWA) as the case may be, Rain water harvesting, etc.

14. (G) Socio-economic infrastructure details including public transport arrangements on the site; PP to mention details of socio-economic in EIA.

15. (G) PP to submit contour map with slopes, drainage pattern of the site and surrounding area. Layout showing natural water courses on site; total runoff calculation before and after development.

16. (C) PP to submit details of existing trees, proposed to be cut, proposed to be transplanted along with tree survival report

3. **Traffic Impact Study in detail including:**

17. (V) Traffic Management Plan for the development – Internal circulation indicating road width and turning radius. Cross section of roads at four places showing clear road width, distance left from building line, spaces left for plantation, footpath, service lines etc.

18. (V) Traffic Volume Counts and Turning Movement Counts on all the external surrounding roads of the proposed project showing the time period taken.

19. (V) Topographic details of roads and intersection of the surrounding roads where counts are taken, actual geometry on ground to be shown with dimensions..

20. (V) Traffic generation values of similar development to be given by actual count by actual count as support data for assumption made to the particular project.

21. (V) Parking statement mentioning parking as per DCR & parking provided actually.

22. (V) Basement ventilation plan: Fire Tender Movement Plan showing clear road and turning radius. Cross section of roads at four places including UGT, OWC and DG set location showing clear road width and distance left from building line & spaces left for plantation, parking, service lines, foot paths, etc.

4. **Environmental Impact and Management Plan:**

23. (B) Identify sources of air pollution, indicate mitigation measures to reduce Air pollution/Noise pollution.

24. (G) Debris management plan including (a) debris required for refilling, (b) contour plan, (c) details of site where excess debris will be disposed, capacity of the site and NOC of plot owner. PP shall also ensure that debris disposed on other plot shall not be disposed on another plot. If to be disposed on another plot, the same shall be carried out as per prevailing environmental laws.

25. (B) Management of solid waste and the construction & demolition waste for the project vis-a-vis the Solid Waste Management Rules 2016 and the Construction & Demolition Rules, 2016. Transport, collection, storage and disposal for all types of wastes like hazardous waste, non-hazardous waste, solid waste, E- waste, and debris/excess earth etc. PP to provide the detailed solid waste management plan along with marked locations on the master plan. Design details of waste processing equipment such as OWC/biogas plants confirming to the technical requirements to meet the quality products.

26. (B) Waste water management (treatment, reuse and disposal) for the project and also the study area. Design of all STP's along with BOD load, oxygen requirement calculations and sizing of the tanks with respect to the design criteria. PP to submit detailed calculation for the disinfection of the treated STP water; PP to submit cross sectional drawing of STP's showing dimensions and ground level; PP to provide ozonation for tertiary treatment. PP to mark the area required for all STP's on master layout with dimensions

27. (J) PP to show internal storm water drain and sewer line arrangements up to final disposal point.

28. (C) Provision of mandatory RG area on virgin land and submit the drawing with calculations, ensuring entire mandatory RG is provided on the plot where residential buildings are proposed.

29. (G) A detailed phase wise development plan with safety planning where occupancy has been given.

30. (T) If any site specific structures such as creation of water body, alteration of natural storm water, large alteration of slopes, creation of green areas abutting to water bodies / natural storm water drain / river etc, is involved, detailed environmental protection approach for the same shall be provided.

31. (D) Separate chapter on Renewable energy in EIA report. PP to submit terrace plan for installing solar panels& calculations of energy saving; Energy efficient measures (LED lights, solar power, etc.) during construction as well as during operational phase of the project. Report on ECBC compliance.

32. (D) Provide details of Solar PV and Solar water heater in the specific format. PP to carryout shadow analysis for identifying the roof-top area for providing solar panels

33. (B) Environmental status report including analysis reports of all environmental pollution reduction facilities if any commissioned.

34. (K) PP to submit Disaster management plan.

35. (B) Preparation of site specific, executable and auditable environment management plan (EMP)

5. **Environmental Modelling and additional Studies:**

36. (B) Fugitive dust modelling by using local meteorological data.

37. (B) Ecological footprint calculation using LCA approach.

38. (B) Estimation of Carbon footprint of the project.

39. (B) Assessment of ecological damage with respect to air, water, land and other environmental attributes. The collection of data and sample analysis shall be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1986 or Environmental Laboratory accredited by NABL, or a laboratory of council of Scientific and Industrial Research (CSIR) institution working in the field of environment.

40. (B) Gate mass balance analysis for environmental parameters related to solid/liquid waste material coming to site, waste generated and its treatment and disposal from site.

41. (K) Preparation of remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.

6. **NOCs, Undertakings and CER:**

42. (T) NOC's required: a) CFO NOC, b)Water supply NOC with quantity, c) Drainage NOC, d) Non-biodegradable waste disposal.

43. (T) Undertaking to provide DG set backup to all Pollution Control Devices, Water Supply, Emergency Services including emergency lifts, etc.

44. (K) PP to submit details of CER activities in consultation with the affected people in the project area as per MoEF&CC circular dt. 01.05.2018, along with details of fund utilization & agreement or consent of executor.

45. PP to refer "approach paper for assessment for environmental damage and estimation of remediation costs for building construction projects initiated with obtaining mandatory environmental clearance" available on the portal : "ecmpcb.in".

Specific Conditions by SEAC:

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FINAL RECOMMENDATION

The Committee decided to Grant ToR subject to the above observations,PP requested to prepare and submit EIA report as per EIA Notification, 2006 and amendments thereof.

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88 SEAC-3 Day 03

SEAC Meeting number: 88 **Meeting Date** May 30, 2019

Subject: Environment Clearance for Environment Clearance for "Proposed Residential And Commercial Development" by M/s. J N Builders

Is a Violation Case: No

1.Name of Project	"Proposed Residential And Commercial Development" at Sr. No. 27/4/2 & 27/4/3, Punawale by M/s. J N Builders
2.Type of institution	Private
3.Name of Project Proponent	M/s. J N Builders through Mr. Govind Devnani
4.Name of Consultant	M/s. Ultra-Tech (Environmental Consultancy & Laboratory)
5.Type of project	Residential development with convenience shops
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Sr. No. 27/4/2 & 27/4/3 at Village - Punawale, Taluka - Mulshi, District - Pune, State - Maharashtra - 411033
9.Taluka	Mulshi
10.Village	Punawale
Correspondence Name:	M/s. J N Builders through Mr. Govind Devnani
Room Number:	Survey no 108/3
Floor:	-
Building Name:	-
Road/Street Name:	Vijay Nagar , Near Nirankari Bhawan
Locality:	Kalewadi
City:	Rahatani, Pune
11.Area of the project	Pimpri Chinchwad Municipal Corporation (PCMC)
12.IOD/IOA/Concession/Plan Approval Number	Building sanction vide no. B.P/ENV/ Punawale/07/2019 dated 09.05.2019 received from Pimpri Chinchwad Municipal Corporation (PCMC)
	IOD/IOA/Concession/Plan Approval Number: B.P/ENV/ Punawale/07/2019 dated 09.05.2019
	Approved Built-up Area: 28928.27
13.Note on the initiated work (If applicable)	Not applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	8208.00 sq.mt.
16.Deductions	1709.76 sq.mt.
17.Net Plot area	6498.24 sq.mt.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 12220.78 sq.mt.
	b) Non FSI area (sq. m.): 16707.49 sq.mt.
	c) Total BUA area (sq. m.): 28928.27
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 12220.78 sq.mt.
	Approved Non FSI area (sq. m.): 16707.49 sq.mt.
	Date of Approval: 09-05-2019
19.Total ground coverage (m2)	1622.20
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	36%
21.Estimated cost of the project	700000000

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22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building A	B+G/P+11	35.90
2	Building B	B+G/P+11	35.90
3	Club House	G+1	6.45

23.Number of tenants and shops	Residential – 219 Nos. Commercial complex – 53 Shops
24.Number of expected residents / users	Residential: 1095 Nos. ; Commercial: 314 Nos. ; Total : 1409 Nos.
25.Tenant density per hectare	267 tenant/hector
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	18 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	Not applicable
30.Details of the demolition with disposal (If applicable)	Not applicable

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

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Dry season:	**Source of water**	Pimpri Chinchwad Municipal Corporation (PCMC)
	Fresh water (CMD):	104
	Recycled water - Flushing (CMD):	58
	Recycled water - Gardening (CMD):	04
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	166
	Fire fighting - Underground water tank(CMD):	100
	Fire fighting - Overhead water tank(CMD):	50
	Excess treated water	89
Wet season:	**Source of water**	Pimpri Chinchwad Municipal Corporation (PCMC)
	Fresh water (CMD):	104
	Recycled water - Flushing (CMD):	58
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	162
	Fire fighting - Underground water tank(CMD):	100
	Fire fighting - Overhead water tank(CMD):	50
	Excess treated water	93
Details of Swimming pool (If any)	Not applicable	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	a. Summer Season – 22.00 m. to 26.00 m. BGL. (24.00 M. Average); b. Rainy Season – 7.67 m. to 13.00 BGL.(10.34 M. Average) & c. Winter Season – 14.84 m. to 19.50 m. BGL. (17.17 M. Average)
	Size and no of RWH tank(s) and Quantity:	Not applicable
	Location of the RWH tank(s):	Not applicable
	Quantity of recharge pits:	06 Nos.
	Size of recharge pits :	(a) 1.5 m. X 1.5 m. X 1.5 m. with 6" Dia. 45 to 60 m. deep bore well via 1 no. of 0.9 m. dia. 1.0 m. deep de-siltation pit for roof top run off. (4 No.) & (b) 2.0 m. X 2.0 m. X 1.5 m. with 6" dia. 45 to 60 m. deep bore well via 2o. of 0.9 m. dia. 1.0 m. deep de-siltation pits for surface run off. (2 No.)
	Budgetary allocation (Capital cost) :	7.50 Lakhs
	Budgetary allocation (O & M cost) :	0.30 lakhs per annum
	Details of UGT tanks if any :	Residential & Commercial: Domestic UG tank Capacity: 184 CUM Flushing UG tank Capacity: 88 CUM Fire UG tank Capacity: 100 CUM
35.Storm water drainage	**Natural water drainage pattern:**	South West To North East
	Quantity of storm water:	3,885.78 m3 / year i.e. 77.72 m3 / day
	Size of SWD:	300 mm
Sewage and Waste water	**Sewage generation in KLD:**	152
	STP technology:	MBBR
	Capacity of STP (CMD):	1 No. X 170 KLD
	Location & area of the STP:	Area - 109 sq.mt.
	Budgetary allocation (Capital cost):	20.50 Lakhs
	Budgetary allocation (O & M cost):	0.70 Lakhs per annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	9870 kgs/day
	Disposal of the construction waste debris:	Topsoil to be preserved & remaining will be used for back filling
Waste generation in the operation Phase:	**Dry waste:**	278 kg/day
	Wet waste:	368 kg/day
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	22.54 kgs/day
	Others if any:	E waste - 938 kgs/year i.e. 2.56 kgs/day

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Mode of Disposal of waste:	**Dry waste:**	Will be handed over to authorized recyclers (SWaCH)
	Wet waste:	Will be converted to compost using OWC
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Will be used as manure
	Others if any:	E waste - Will be handed over to authorized recyclers (SWaCH)
Area requirement:	**Location(s):**	Near Building 'A'
	Area for the storage of waste & other material:	16 sq.mt.
	Area for machinery:	10 sq.mt.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	11.59 Lakhs
	O & M cost:	5.50 Lakhs per annum

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable
41.Source of Fuel		Not applicable		
42.Mode of Transportation of fuel to site		Not applicable		

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43.Green Belt Development	**Total RG area :**	649.99 sq.mt.
	No of trees to be cut :	03
	Number of trees to be planted :	86
	List of proposed native trees :	Listed below
	Timeline for completion of plantation :	Till project completion

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Mimusops elengi	Bakul	06	Large evergreen, dense, shady tree, medicine, fruit is edible
2	Spathodea campanulata	African tulip	06	Attractive to birds, flowering shady tree
3	Tabebuia	Roble	06	Large flowering tree, attractive to birds
4	Swietenia macrophylla	Mohogani	07	Beautiful, shady tree
5	Terminalia mantaly	Madagascar almond	11	Evergreen tree, shady tree
6	Anthocephalus cadamba	Kadamba	08	Genius of flowers plants
7	Millingtonia hortensis	Buch	08	Fragrance and flowering tree, attractive to birds
8	Pongamia pinnata	Pongam tree	11	Beautiful pink flowering tree
9	Michelia champaka	Sonchapa	06	Beautiful long lasting flowers
10	Nyctanthes arbor-tristis	Parijat	06	Beautiful log lasting flowers having beautiful smell
11	Mangifera indica	Mango	06	Large fruit giving tree (mango tree)
12	Erythrina stricta	Coral tree	05	Large flowering tree, attractive to birds
13	Total	-	86 Nos.	-
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	Not applicable	Not applicable	Not applicable

47.Energy

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Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	30 KW
	DG set as Power back-up during construction phase	40 kVA x 1 No.
	During Operation phase (Connected load):	1142 kW
	During Operation phase (Demand load):	545 kW
	Transformer:	1 No. X 630 kVA
	DG set as Power back-up during operation phase:	1 No. X 125 kVA
	Fuel used:	Diesel Quantity: 21.6 lit./hr. @ 75% Loading
	Details of high tension line passing through the plot if any:	Not applicable

48.Energy saving by non-conventional method:

• High efficiency transformer motors etc. to reduce losses.
• Electronic Ballasts and Energy efficient lamp source either triposphere or LED are proposed for common area & general lighting with automatic time based control to save power by switching ON & OFF the lights at appropriate time. The estimated saving in common lighting consumption is up to 20 % due to adopting above measures.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Against Conventional Base Case - Better Envelope Design, Lower Lighting Loads, Efficient Air Conditioning System & Efficient Pumps and Motors, Solar Hot Water	573708 kWh per annum (22.48%)
2	Solar PV System	15000 kWh per annum (1.8 % of demand load)
3	Total	588708 kWh per annum (22.48%)
4	Against ECBC Base Case - Better Envelope Design, Lower Lighting Loads, Efficient Air Conditioning System & Efficient Pumps and Motors	49000 kWh (1.92%) energy saved as per ECBC 2007 (Residential Buildings) Base Case. 7000 kWh (3.50%) energy saved as per ECBC 2017 (Commercial Buildings) Base Case.

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
D.G Set	-	1 No. X 125 kVA
STP	-	1 No. X 170 KLD
OWC	-	1 No.

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	29.00 Lakhs
	O & M cost:	0.06 Lakhs per annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air & Noise Environment	Water For Dust Suppression	0.09
2	Air & Noise Environment	Air & Noise monitoring	0.10
3	Water Environment	Tanker water for construction & worker	1.25
4	Water Environment	Water monitoring	0.08
5	Land Environment	Labour toilets 4 Nos. Cleaning 12,500 Rs./month. No. of workers - 40	0.50
6	Biological Environment	Gardening & Excavation	4.20
7	Socio-economic Environment	Disinfection at site	0.30
8	Socio-economic Environment	Safety, First Aid, Health Hygiene Facilities/ Health Check Up	0.60
9	Socio-economic Environment	Crèches for children	2.40
10	Socio-economic Environment	Personal Protective Equipment	1.20
11	Total	-	10.72

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	1 No. of 170 KLD	20.50	0.70
2	Rain Water Harvesting	06 no. of recharge pits	7.50	0.30
3	Environmental Monitoring	As per MoEF guidelines	-	0.60
4	Gardening	Plantation of native plants	5.25	2.0
5	Solid waste	1 No. of OWC	11.59	5.50
6	Energy	Energy Saving Measures	29	0.06
7	Disaster Management Plan	DMP cost	92.50	23.38
8	Total	-	166.34	32.54

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation

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Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	2 Nos. of junctions
Parking details:	**Number and area of basement:**	1 No. and area - 2357.00 sq.mt.
	Number and area of podia:	Not applicable
	Total Parking area:	Basement - 2357.00 sq.mt.; Ground floor - 1899.11 sq.mt. ; 1st Floor - 759.59 sq.mt. Total - 5015.70 sq.mt.
	Area per car:	12.50 sq.mt.
	Area per car:	12.50 sq.mt.
	Number of 2-Wheelers as approved by competent authority:	522 Nos.
	Number of 4-Wheelers as approved by competent authority:	138 Nos.
	Public Transport:	Koyte Vasti Bus Stop - 1.25 Km
	Width of all Internal roads (m):	6.00 m
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable
	Category as per schedule of EIA Notification sheet	8 (a) B2
	Court cases pending if any	Not applicable
	Other Relevant Informations	Not applicable
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

SEAC-AGENDA-0000000272

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-
Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

PP submitted their application for prior Environmental clearance for total plot area of 8199.34 m2, FSI area of 12220.79 m2, Non FSI area of 16707.49 m2 and total BUA of 28928.28 m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B2.

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DECISION OF SEAC

During discussion following points emerged:

1. In CER, PP has proposed asset creation for health and welfare. This activity is not accepted. PP has proposed road development which is job of municipal corporation. PP has also proposed uniform, schoolbag and textbook distribution, this is also not accepted. PP shall propose activity of community benefit like computer distribution to school or solar energy for municipal school or providing ambulance etc. PP to resubmit CER accordingly.

2. PP to submit storm water drainage and sewage line details upto final disposal point.

3. PP to submit details regarding ventilation to STP.

4. PP to submit master layout superimposing all environmental parameters.

5. PP to submit following NOCs : (a) water supply, (b) Drainage

6. PP to submit revised plantation plan incorporating local native fruit bearing trees.

PP requested for time to submit the information sought; after deliberations committee asked PP to ***comply with*** *the observations and submit information to the committee for further discussion and consideration of SEAC.*

Specific Conditions by SEAC:

FINAL RECOMMENDATION

SEAC-III decided to defer the proposal.Kindly find SEAC decision above.

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SEAC Meeting number: 88 **Meeting Date** May 30, 2019

Subject: Environment Clearance for Proposed Commercial Building Construction at S. No. 16/3A/3, Dhanori, Pune by Triaa Realtors LLP

Is a Violation Case: No

1.Name of Project	Proposed Commercial Building Construction at S. No. 16/3A/3, Dhanori, Pune
2.Type of institution	Private
3.Name of Project Proponent	Mr. Shyamlal Goel
4.Name of Consultant	NA
5.Type of project	Commercial Building Construction
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	S. No. 16 /3 A / 3
9.Taluka	Haveli
10.Village	Dhanori
Correspondence Name:	Mr. Ankit Goel
Room Number:	Office No. 401 A
Floor:	4th Floor
Building Name:	City Bay
Road/Street Name:	Street No 17, Boat Club Road
Locality:	Sangamwadi
City:	Pune
11.Area of the project	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	IOD is in process from Pune Municipal Corporation
	IOD/IOA/Concession/Plan Approval Number: In process
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	Temporary Shed is at site which will be demolished during construction phase. No work is initiated.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	5,794.00
16.Deductions	0
17.Net Plot area	5,794.00
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 15812.07
	b) Non FSI area (sq. m.): 22976.65
	c) Total BUA area (sq. m.): 38788.72
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval: 01-01-1900
19.Total ground coverage (m2)	4263.91
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	73.59
21.Estimated cost of the project	750000000.00

22.Number of buildings & its configuration

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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Commercial Building	3 B + G + 6	26.60
2	club house	3 B + G + 1	6.45

23.Number of tenants and shops	Shops - 294, Restaurant - 6, Banquet Hall- 1
24.Number of expected residents / users	2585
25.Tenant density per hectare	250/hector
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	24 mt
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 mt
29.Existing structure (s) if any	Temporary structure at site which will be demolished during construction phase
30.Details of the demolition with disposal (If applicable)	There are only tin sheets which will be used during construction phase

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

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Dry season:	**Source of water**	PMC
	Fresh water (CMD):	72
	Recycled water - Flushing (CMD):	59
	Recycled water - Gardening (CMD):	5
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	136
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	40
	Excess treated water	54
Wet season:	**Source of water**	PMC
	Fresh water (CMD):	72
	Recycled water - Flushing (CMD):	59
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	131
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	40
	Excess treated water	59
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	0	59	59	0	5	5	0	53	53
Fresh water requirement	0	72	72	0	7	7	0	65	65
Gardening	0	5	5	0	0	0	0	0	0

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	25 mt to 35 mt
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	7
	Size of recharge pits :	1.5m x 1.5m x 1.5m
	Budgetary allocation (Capital cost) :	8 Lacs
	Budgetary allocation (O & M cost) :	0.50 Lacs
	Details of UGT tanks if any :	For Domestic UGT Capacity - 124 m3 For Fire Fighting UGT Capacity - 200 m3
35.Storm water drainage	**Natural water drainage pattern:**	West to East
	Quantity of storm water:	3072 Cum/year
	Size of SWD:	300
Sewage and Waste water	**Sewage generation in KLD:**	118
	STP technology:	MBBR
	Capacity of STP (CMD):	130 KLD x 1 No.
	Location & area of the STP:	Near open space
	Budgetary allocation (Capital cost):	41
	Budgetary allocation (O & M cost):	9.5

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	During construction phase, 51,480.63 Cum waste will be generated by excavation activity
	Disposal of the construction waste debris:	Excess 44699 Cum will be disposed to other site for site leveling
Waste generation in the operation Phase:	**Dry waste:**	474
	Wet waste:	460
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Dried Sludge - 19.32 Kg/day
	Others if any:	NA

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Mode of Disposal of waste:	**Dry waste:**	Through authorized vendor SWaCH
	Wet waste:	After treatment in OWC, manure will be used for landscaping
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	As a manure
	Others if any:	NA
Area requirement:	**Location(s):**	Near open space
	Area for the storage of waste & other material:	10 SQM
	Area for machinery:	40 SQM
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	15 lakh
	O & M cost:	3 lakh

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	-	Diesel - 98.4 lit/hr	1	5	Not applicable	Not applicable

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel	Not applicable	98.4 lit/hr	98.4 lit/hr
41.Source of Fuel		Not applicable		
42.Mode of Transportation of fuel to site		Not applicable		

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43.Green Belt Development	**Total RG area :**	580 SQM
	No of trees to be cut :	0
	Number of trees to be planted :	80
	List of proposed native trees :	Attached
	Timeline for completion of plantation :	5 years

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Ailanthusexcelsa	Maharukh	04	Medicinal value, Drought tolerant species
2	Albizialebek	Shirish	04	Medicinal for Skin, Fragrant flowers, To control soil erosion, Bird attracting species (Para kids eat seeds).
3	Cassia fistula	Bahava	06	Medicinal value, Drought tolerant species, Very ornamental, Well flowering plant, Honey bee attracting species, Host plant for Butterfly
4	Buteamonosperma	Palas	02	Medicinal value, Bird attracting species , To control soil erosion
5	Syzygiumcumini	Jamun	04	Medicinal value, Edible fruit.
6	Azardirachta indica	Neem	04	Medicinal value, To control soil erosion. To improve soil erosion
7	Aegle marmelos	Bel	04	Medicinal value , Bird attracting species
8	Roystonia Regia	Bottle Palm	08	Ornamental plant, Medicinal value, Birds & bats eat fruits.
9	Erythrina indica	Pangara	04	Fragrant flowers, Drought tolerant species, Birds attracting
10	Bauhiniapurpurea	Gulabi kanchan	04	Every part of the plant is medicinal ,Drought tolerant species
11	Mimosupselengii	Bakul	04	Fragrant flowers, Medicinal value, To control soil erosion
12	Mangifera indica	Mango	03	Edible fruit, Bird attracting species.
13	Nyctanthusarbotritrits	Parijatak	05	Fragrant flowers, Medicinal value
14	Caryotaurens	Fishtail palm	07	Grown in any type of soil. Very Hardy.
15	Anthocephaluskadamba	Kadamb	06	Medicinal value, To control soil erosion, Birds, squirrels, monkey eat fruits.
16	Bauhiniablackiana	Kanchanraj	05	Every part of the plant is medicinal, Drought tolerant species

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17	Michelia champaca	Sonchafa	04	Medicinal value, Fragrant flowers, Butterfly larvae host plant, Bird attracting species, Fast growing.
18	Phyllanthusemblica	Awala	04	Medicinal value, To control soil erosion.
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	NA	NA	NA

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	75 KW
	DG set as Power back-up during construction phase	82 KVA
	During Operation phase (Connected load):	2647 KW
	During Operation phase (Demand load):	1626 KW
	Transformer:	630 KVA x 3 No. , 315 KVA x 1 No.
	DG set as Power back-up during operation phase:	625 KVA x 2 No.
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	No

48.Energy saving by non-conventional method:

- Auto Timer control for external & Common lighting
- Use of CFL / LED lamps in all public/ common areas.
- Solar powered water heating .
- Electronic V3F Drives for Elevators
- Solar PV Panel power for common area lighting

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar PV Panels	40500 KWH / Annum
2	Timer Logic Controller	56305 KWH / Annum
3	Electronic V3F drive for Lifts	31041 KWH / Annum

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed

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Waste water generation during operation pase	Not applicable	STP of 130 KLD
Solid waste generation during operation phase	Not applicable	OWC machine will be installed
Noise generation due to DG set & vehicular traffic	Not applicable	Acoustic enclosure to DG set & adequate parking

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	24 lakh
	O & M cost:	2 lakh

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Erosion control	water for dust supression	0.4
2	Site safety	barricades & nets	0.3
3	Site sanitation	Mobile Toilets	0.8
4	Disinfection & health check up	for labours	0.75
5	Environmental Monitoring	Air water noise monitoring	0.3

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage treatment plant	130 KLD	41.00	9.5
2	Solid waste management plan	OWC machine	15.00	3.0
3	Landscape	80 trees	11.00	2.0
4	Renewable Energy	Solar PV Panels	18.00	1.0
5	Other energy saving measure	Timer Logic Controller, Electronic V3F drive for Lifts	6.5	0.65
6	Environment Monitoring	Air water soil noise monitoring, six monthly compliance	-	2.60
7	Rain water harvesting	07 no of recharge pits	8.0	0.5

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

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Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1
Parking details:	**Number and area of basement:**	3 basement - Area 10581.24 Sqm
	Number and area of podia:	-
	Total Parking area:	19,918.80 SQM
	Area per car:	35 SQM
	Area per car:	35 SQM
	Number of 2-Wheelers as approved by competent authority:	1335
	Number of 4-Wheelers as approved by competent authority:	436
	Public Transport:	Nil
	Width of all Internal roads (m):	6 mt.
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	Project category B2; Activity under Item 8 (a) of the EIA Notification dated 14th September 2006 as amended on 1st December, 2009
	Court cases pending if any	NA
	Other Relevant Informations	NA

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	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	Satisfactory.
Water Budget	Satisfactory.
Waste Water Treatment	Satisfactory.
Drainage pattern of the project	Satisfactory.
Ground water parameters	Satisfactory.
Solid Waste Management	Satisfactory.
Air Quality & Noise Level issues	Satisfactory.
Energy Management	Satisfactory.
Traffic circulation system and risk assessment	Satisfactory.
Landscape Plan	Satisfactory.
Disaster management system and risk assessment	Satisfactory.
Socioeconomic impact assessment	Satisfactory.
Environmental Management Plan	Satisfactory.
Any other issues related to environmental sustainability	Satisfactory.

Brief information of the project by SEAC

SEAC-AGENDA-0000000272

PP submitted their application for prior Environmental clearance for total plot area of 5,794 m2, FSI area of 15812.07 m2, Non FSI area of 22976.65 m2 and total BUA of 38788.72 m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B2.

DECISION OF SEAC

*SEAC decided to **recommend** the proposal for prior environmental Clearance.*

Specific Conditions by SEAC:

FINAL RECOMMENDATION

SEAC-III have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions

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88 SEAC-3 Day 03

SEAC Meeting number: 88 **Meeting Date** May 30, 2019

Subject: Environment Clearance for Environment Clearance for "Aishwaryam Comfort Gold " Proposed Residential & Commercial project At Survey No. 142/1/2b, 142/4, CTS No. 5102, Plot B, Akurdi ,Tal : Haveli , Pune, Maharashtra , by M/s. Essen Realtors

Is a Violation Case: No

1.Name of Project	"Aishwaryam Comfort Gold"
2.Type of institution	Private
3.Name of Project Proponent	M/s. Essen Realtors Name : Mr. Satish Bhimsen Agarwal Address : Survey No. 142/1/2b, 142/4, CTS No. 5102. Plot B, Akurdi Mob No : 9890052345 Mail Id : aishwaryam.akurdi@gmail.com
4.Name of Consultant	Goldfinch Engineering System Private Limited Plot No. A-288, Road No. 16 Z, Opp. Agriculture Office Bus-stop, Thane Industrial Area, MIDC (Wagle Estate), Thane (W) – 400604, Maharashtra, India. PH: 91-22-25801529/21/46 Accreditation No : NABET/EIA/1518/RA0066
5.Type of project	Residential CUM Commercial Project
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Survey No 142/1/2b, 142/4, CTS No 5102, Plot B, Akurdi
9.Taluka	Haveli
10.Village	Akurdi
Correspondence Name:	Mr. Satish Bhimsen Agarwal
Room Number:	001
Floor:	Ground Floor
Building Name:	Aishwaryam Comfort Gold Head Office
Road/Street Name:	Advani Oerlikon Rd
Locality:	Akurdi
City:	Pimpri Chinchwad Municipal Corporation
11.Area of the project	Pimpri Chinchwad Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	IOD/IOA/Concession/Plan Approval Number : INPROCESS
	IOD/IOA/Concession/Plan Approval Number: IOD/IOA/Concession/Plan Approval Number : INPROCESS
	Approved Built-up Area: 32422.73
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	5949.44 sq.mt.
16.Deductions	932.76 sq.mt.
17.Net Plot area	5328.12 sq.mt.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 13147.28 sq.mt.
	b) Non FSI area (sq. m.): 19275.45 sq.mt.
	c) Total BUA area (sq. m.): 32422.73
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 6570.20 sq.mt.
	Approved Non FSI area (sq. m.): 14496.55 sq.mt.
	Date of Approval: 10-08-2018
19.Total ground coverage (m2)	2041.44 Sq.Mt.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	34.31%
21.Estimated cost of the project	700000000

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22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	D Type	B+G+3P+19 Floor	68.99 Mt.
2	E Type	B+G+3P+19 Floor	68.99 Mt.
3	Commercial	B.P.+GR+MEZZ+P2+P3	13.89 Mt.
4	Club House	Gr+01	6.45 Mt.

23.Number of tenants and shops	Tenement :- 216 Nos , Shop :- 13 Nos
24.Number of expected residents / users	Residential – 1080 , Commercial.- 138
25.Tenant density per hectare	169.28/ha
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Nearest fire station distance 2.7km (Fire Station Pradhikaran)
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.00 Mt.
29.Existing structure (s) if any	NO
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

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Dry season:	**Source of water**	PCMC
	Fresh water (CMD):	100.65
	Recycled water - Flushing (CMD):	51.36
	Recycled water - Gardening (CMD):	5.97
	Swimming pool make up (Cum):	2.00
	Total Water Requirement (CMD) :	159.98
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	20 Each Building
	Excess treated water	64.27
Wet season:	**Source of water**	PCMC
	Fresh water (CMD):	100.65
	Recycled water - Flushing (CMD):	51.36
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	2.00
	Total Water Requirement (CMD) :	154.00
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	20 Each Building
	Excess treated water	70.25
Details of Swimming pool (If any)	Dimension of Swimming Pool : Area Of Pool : 95m X 1.2m depth Balancing Tank : 1.20 m x 8.50mx 1.35m Total Water Requirement in KLD : 126 KLD Water requirement for make up in KLD : 3.00 KLD Capital Cost : 3,761,781/- O & M cost : 2,16,000/-	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Pre Monsoon : 8 To 10 m
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	05 Nos
	Size of recharge pits :	2 m X 2m X 3 m
	Budgetary allocation (Capital cost) :	8.00 Lacs
	Budgetary allocation (O & M cost) :	0.30 Lacs
	Details of UGT tanks if any :	Domestic Capacity :– 152 Cum Flushing UG Tank Capacity :- 78 Cum Fire Fighting Capacity :- 200 Cum
35.Storm water drainage	**Natural water drainage pattern:**	As per contour
	Quantity of storm water:	3.27 m3 /min
	Size of SWD:	300 MM Diameter
Sewage and Waste water	**Sewage generation in KLD:**	136.81
	STP technology:	MBBR
	Capacity of STP (CMD):	140 KLD
	Location & area of the STP:	As Per Drawing
	Budgetary allocation (Capital cost):	45.61 lacs
	Budgetary allocation (O & M cost):	9.26 lacs

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Excavation: 20000 Cum, Top Soil: 248 Cum, Filling in Plinth :7500 Cum, Concrete: 50000 Cum, Cement Bag: 105000 Bag, Steel: 2350 MT, AAC Blocks: 200 Cum, Flooring & Dado Tile: 450000 Sqm, Tile Boxes 27600 Nos
	Disposal of the construction waste debris:	Excavation: 12500 Cum- Used for back filling, Concrete: 1050 Cum - Using for Road & Driveways Filling Cement Bag: 105000 Bag- Using for recycling Steel: 100 MT- Can take to salvage company AAC Blocks: 15 Cum- Using for Waterproofing work Flooring & Dado Tile: 5065 Sqm- Using for Road & Drive way filling Tile Boxes 27600 Nos - Using for recycling
Waste generation in the operation Phase:	**Dry waste:**	237 kg
	Wet waste:	338 kg
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	17.22 kg
	Others if any:	NA

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Mode of Disposal of waste:	**Dry waste:**	Dry waste will be sent for recycling to agency Swatch
	Wet waste:	Wet waste will be converting to composting for by OWC
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	STP sludge sent to SWM site for converting in to compost
	Others if any:	NA
Area requirement:	**Location(s):**	As Per Drawing
	Area for the storage of waste & other material:	8.00 Sq.Mt.
	Area for machinery:	28.00 Sq.Mt.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	12.75 Lacs
	O & M cost:	2.8 Lacs/yr

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Diesel Consumption Ltr. / hr. 100% Load – 46.20	1 Nos	3.00	0.0762	75 C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	Not applicable	HSD	HSD
41.Source of Fuel		Authorized vendor		
42.Mode of Transportation of fuel to site		By road		

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43.Green Belt Development	**Total RG area :**	568.00 Sq.mt.
	No of trees to be cut :	NA
	Number of trees to be planted :	102 Nos
	List of proposed native trees :	List Mention Below
	Timeline for completion of plantation :	1 Year before completion of work

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Albizia lebek	Shirish	06	Medicinal for Skin, Fragrant flowers, To control soil erosion, Bird attracting species (Para kids eat seeds).
2	Anthocephalus kadamba	Kadamb	06	Medicinal value, To control soil erosion, Birds, squirrels, monkey eat fruits.
3	Azardirachta indica	Neem	06	Medicinal value, To control soil erosion. To improve soil erosion
4	Bauhinia blackiana	Kanchanraj	06	Every part of the plant is medicinal, Drought tolerant species.
5	Bauhinia purpurea	Gulabi kanchan	06	Every part of the plant is medicinal, Drought tolerant species.
6	Butea monosperma	Palas	06	Medicinal value, Bird attracting species , To control soil erosion.
7	Cassia fistula	Bahawa	06	Medicinal value, Drought tolerant species, Very ornamental, Well flowering plant, Honey bee attracting species, Host plant for Butterfly.
8	Schleichera oleosa	Kusum	06	Native species, Fragrant flowers.
9	Cordia dichotoma	Bhokar	06	Medicinal value, Edible fruits,
10	Ficus arnottiana	Payar	05	Drought tolerant species, Bird attracting species. To control soil erosion.
11	Ficus glomerata	Umber	05	Medicinal value, Edible fruits, Bird attracting species
12	Michelia champaca	Sonchaffa	06	Medicinal value, Fragrant flowers, Butterfly larvae host plant, Bird attracting species, Fast growing.
13	Roystonia regia	Bottle palm	25	Ornamental plant, Medicinal value, Birds & bats eat fruits.
14	Mimosups elengii	Bakul	07	Fragrant flowers, Medicinal value, To control soil erosion.
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

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Serial Number	Name	C/C Distance	Area m2
1	Nerium single pink	1’6”	8.97
2	Adulsa	1’6”	8.97
3	Tarwad	1’0”	8.97
4	Gavati Chaha	1’0”	8.97
5	Chitrak	1’0”	8.97
6	Variegated tagar	1’0”	8.97
7	Stachytarpheta Blue	1’0”	8.97
8	Stachytarpheta Red	1’0”	8.97
9	Ratrani	----	8.97
10	Shrimp plant red	1’0”	8.97
11	Mogra	1’0”	8.97
12	Sontakka	1’0”	8.97
13	Powder puff dwarf	1’6”	8.97
14	Cassica biflora	1’0”	8.97
15	Ficus black	2’0”	8.97
16	Ficus starlight	2’0”	8.97
17	Alpinia yellow varigated	1’0”	8.97
18	Euphorbia	1’6”	8.97
19	Kodia Yellow	1’0”	8.97
20	Heliconia orange upright	1’0”	8.97
21	Acalpha marble pink	1’0”	8.97
22	Kamini	2’0”	8.97
23	Allamanda miniature	1’0”	8.97
24	Hibiscus white regular	2’0”	8.97
25	Shankasur	2’0”	8.97
26	Ixora deep red	2’0”	8.97
27	Lagestromia indica	1’6”	8.97
28	Tantani	1’0”	8.97
29	Tagar blue	1’0”	8.97
30	Canara bush	1’0”	8.97
31	Nirgudi	1’0”	8.97
32	Sagargota	2’0”	8.97
33	Anant	2’0”	8.97
34	Takala	1’6”	8.97
35	Krushna kamal	----	8.97
36	Ran Jai	1’0”	8.97
37	Tulas	1’0”	8.97

47.Energy

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Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	22Kw
	DG set as Power back-up during construction phase	30 KVA
	During Operation phase (Connected load):	1057.72KVA
	During Operation phase (Demand load):	542 KVA
	Transformer:	630KVA x 1 No.
	DG set as Power back-up during operation phase:	200KVA x 1 No.
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

1. Timers and contactors will be used to switch on / off common area & external landscape and facade lighting.
2. LED fittings will be used for corridors ,Lobbies and common areas.
3. Energy efficient LED lamps which give approx. 30% more light output for the same watts consumed and therefore require less nos. Of fixtures and corresponding lower point wiring costs.
4. All cables will be derated to avoid heating during use. This also indirectly reduces losses and improves reliability. To achieve the same we have considered current carrying capacity of all the cables laid through ground/air whichever is minimum.
5. 125 Ltrs of Solar water is provided for each flat of existing & new buildings .
6. Solar PV panel system is proposed for Street lighting & Building common load.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar Water Heating System + Solar PV Panel + LED Light fittings for PLOT A	16 %

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	30.00 Lacs
	O & M cost:	2.59 Lacs/Year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water	Dust Suppression	1.8
2	Site Sanitation, Health Check Up & Safety	Health & Safety	2.0

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3	Environmental Monitoring	Air, Water, Noise Soil	0.86
4	Disinfection	Disinfection	0.6
5	Health Check up	Health Check up	2.4

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air, water, Noise, Soil	Post Project Environment Monitoring	0.0	0.125
2	Water	Rainwater Harvesting	8.00	0.30
3	Wastewater	Sewage Treatment Plant	45.61	9.26
4	Municipal Solid waste	Solid waste Management	12.75	2.80
5	Plantation	Landscaping	13.40	2.14
6	Energy	Energy Savings	30.00	2.59

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	NA

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Parking details:	**Number and area of basement:**	1 Nos
	Number and area of podia:	3 Nos, Area :- 2041.44 Sq.Mt. (Horizontal)
	Total Parking area:	5544.80 Sqm, (For Cycle 442 Nos X 1.40 = 618.80 Sq.mt.)
	Area per car:	30.00 Sq.Mt. (Covered) 25.00 Sq.Mt. (Open)
	Area per car:	30.00 Sq.Mt. (Covered) 25.00 Sq.Mt. (Open)
	Number of 2-Wheelers as approved by competent authority:	462 Nos
	Number of 4-Wheelers as approved by competent authority:	118 Nos
	Public Transport:	Available near to side
	Width of all Internal roads (m):	6 Mt. To 8 Mt.
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NO
	Category as per schedule of EIA Notification sheet	B2
	Court cases pending if any	NO
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

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SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-

Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

PP submitted their application for prior Environmental clearance for total plot area of 5949.44 m2, FSI area of 13147.28 m2, Non FSI area of 19275.45 m2 and total BUA of 32422.73 m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B2.

DECISION OF SEAC

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During discussion following points emerged:

1. PP to submit storm water drainage and sewage line details upto final disposal point.

2. PP to submit master layout superimposing all environmental parameters.

3. PP to submit debris management plan including (a) debris required for refilling, (b) contour plan, (c) details of site where excess debris will be disposed, capacity of the site and NOC of plot owner. PP shall also ensure that debris disposed on other plot shall not be disposed on another plot. If to be disposed on another plot, the same shall be carried out as per prevailing environmental laws.

4. PP to submit water supply NOC.

5. PP to submit UGT sections.

6. PP to revise RG plantation plan by relocating trees near vicinity of STP and OWC.

PP requested for time to submit the information sought; after deliberations committee asked PP to ***comply with*** *the observations and submit information to the committee for further discussion and consideration of SEAC.*

Specific Conditions by SEAC:

FINAL RECOMMENDATION

SEAC-III decided to defer the proposal.Kindly find SEAC decision above.

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88 SEAC-3 Day 03

SEAC Meeting number: 88 **Meeting Date** May 30, 2019

Subject: Environment Clearance for Proposed Commercial Project

Is a Violation Case: No

1.Name of Project	'Gokhale Business Bay' by M/s. Gokhale Landmarks LLP
2.Type of institution	Private
3.Name of Project Proponent	Mr. Vishal Vasant Gokhale
4.Name of Consultant	Mr. Rajesh Shrivastava - Pollution & Ecology Control Services (PECS)
5.Type of project	Commercial Project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	S. No. 20/2, Plot No. A6, CTS. No. 667, Kothrud Pune
9.Taluka	Haveli
10.Village	Kothrud
Correspondence Name:	Mr. Vishal Vasant Gokhale
Room Number:	Plot No. 61
Floor:	NA
Building Name:	Gokhale House
Road/Street Name:	Prabhat Road, Lane No. 14
Locality:	Opp. Income Tax Office
City:	Pune
11.Area of the project	Corporation Area
12.IOD/IOA/Concession/Plan Approval Number	Pune Municipal Corporation
	IOD/IOA/Concession/Plan Approval Number: CC/4121/18
	Approved Built-up Area: 30917.17
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	4490.62
16.Deductions	35.29
17.Net Plot area	4455.33
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 11135.72
	b) Non FSI area (sq. m.): 19781.45
	c) Total BUA area (sq. m.): 30917.17
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 11135.72
	Approved Non FSI area (sq. m.): 19781.45
	Date of Approval: 30-03-2019
19.Total ground coverage (m2)	1719.39
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	39 %
21.Estimated cost of the project	1450000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)

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1	Commercial Building	3B+St+11	43.75

23.Number of tenants and shops	No. of Tenements- NIL No. of Shops- Shops of commercial Area- 11135.72 Sqm
24.Number of expected residents / users	Residential Users- NIL Commercial Users- 2506 Nos.
25.Tenant density per hectare	--
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	20 M
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 M
29.Existing structure (s) if any	NIL
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

Dry season:	**Source of water**	Pune Municipal Corporation
	Fresh water (CMD):	56.85
	Recycled water - Flushing (CMD):	62.65
	Recycled water - Gardening (CMD):	3.0
	Swimming pool make up (Cum):	0.0
	Total Water Requirement (CMD) :	122.5
	Fire fighting - Underground water tank(CMD):	150.0
	Fire fighting - Overhead water tank(CMD):	20.0
	Excess treated water	44.6

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Wet season:	**Source of water**	Pune Municipal Corporation
	Fresh water (CMD):	56.85
	Recycled water - Flushing (CMD):	62.65
	Recycled water - Gardening (CMD):	0.0
	Swimming pool make up (Cum):	0.0
	Total Water Requirement (CMD) :	119.5
	Fire fighting - Underground water tank(CMD):	150.0
	Fire fighting - Overhead water tank(CMD):	20.0
	Excess treated water	47.6
Details of Swimming pool (If any)	NIL	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	6M BGL
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	3 Nos
	Size of recharge pits :	1.3m dia x 2.5m depth
	Budgetary allocation (Capital cost) :	Rs. 5.40 Lacs
	Budgetary allocation (O & M cost) :	Rs. 0.16 Lacs/Annum
	Details of UGT tanks if any :	UGT Capacity- 198.74 Cum Fire UGT Capacity- 150 Cum Total UGT Capacity- 348.74 Cum

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35.Storm water drainage	**Natural water drainage pattern:**	East to West
	Quantity of storm water:	3.68 Cum/Mim
	Size of SWD:	450 mm
Sewage and Waste water	**Sewage generation in KLD:**	110.25
	STP technology:	MBBR
	Capacity of STP (CMD):	115 KLD
	Location & area of the STP:	Shown On Plan
	Budgetary allocation (Capital cost):	Rs. 34.50 Lacs
	Budgetary allocation (O & M cost):	Rs. 6.80 Lacs/Annum

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	4 Kg/Day
	Disposal of the construction waste debris:	Handed over to Authorized Agency
Waste generation in the operation Phase:	**Dry waste:**	250.6 Kg/Day
	Wet waste:	125.3 Kg/Day
	Hazardous waste:	Negligible
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	10 Kg/Day
	Others if any:	E- Waste 2506 Kg/Year
Mode of Disposal of waste:	**Dry waste:**	Shall be handed over top Authorized Agency
	Wet waste:	In- Situ Composting
	Hazardous waste:	If Generated, shall be handed over to Authorized Agency
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	In-Situ Composting
	Others if any:	Handed over to Authorized Agency
Area requirement:	**Location(s):**	Shown on Plan
	Area for the storage of waste & other material:	39 Sqm
	Area for machinery:	Considered in Above Area
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 3.75 Lacs
	O & M cost:	Rs. 0.5 Lacs/Annum

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)

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1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

Amount of effluent generation (CMD):	Not applicable
Capacity of the ETP:	Not applicable
Amount of treated effluent recycled :	Not applicable
Amount of water send to the CETP:	Not applicable
Membership of CETP (if require):	Not applicable
Note on ETP technology to be used	Not applicable
Disposal of the ETP sludge	Not applicable

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable

41.Source of Fuel	Not applicable
42.Mode of Transportation of fuel to site	Not applicable

43.Green Belt Development	**Total RG area :**	--
	No of trees to be cut :	10 Nos
	Number of trees to be planted :	Existing Trees- 14 Nos Trees to be cut- 10 Nos Trees to be retained- 4 Nos Plantation required as per rule- 56 Nos Total Plantation proposed including compensatory Plantation- 72 Nos
	List of proposed native trees :	List Given Below
	Timeline for completion of plantation :	Before Completion of the Project

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Albizia lebbeck	Shirish	3	Shady tree, yellowish green fragrant flowers
2	Azadiracta indica	Neem	2	Evergreen tree, fast growing
3	Saraca asoka	Sita Ashok	2	Shady tree with red-yellow flowers

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4	Anthocephallus cadamba	Kadamb	2	Shady, large tree, ball shaped flowers
5	Psidium guajava	Peru	3	Medium size , fruit bearing tree
6	Nyctanthes arbor-tristis	Parijatak	3	This Small tree has highly fragrant flowers those attract Bees and Butterflies, Fruits attract Birds.
7	Ochna obtusata	Kanak Champa	3	Native, this shrub has yellow fragrant flowers, Host plant for Butterflies.
8	Murraya paniculatum	Kunti	2	Native to Western Ghats, this shrub has fragrant white flowers and dense foliage. It is a host plant for Butterflies.
9	Manilkara zapota	Chikoo	2	This small tree attracts Birds and Bees. Edible Fruit.
10	Citrus limon	Lemon	4	This Shrub is used in everyday Cooking and acts as a host plant for Butterflies.
11	Bauhinia racemosa	Apta	2	Native to Pune, this Shrub has a Religious importance
12	Mimusops elengi	Bakul	2	Native, Evergreen Foliage and Flowering tree has dense branching, hence good for Wind screening. Flowers are deeply fragrant and attracts birds and Bees.
13	Pongamia pinnata	Karanj	2	Native to Pune, this Deciduous White Flowering tree . Attracts Birds and Arboreal Mammals.
14	Mangifera indica	Mango	3	Tall, fruit bearing tree
15	Syzygium cumini	Jambhul	2	Dense ornamental, fruit bearing tree
16	Lagerstroemia reginae	Tamhan	2	This Purple Flowering plant is the State flower of Maharashtra.
17	Cassia fistula	Bahava	2	This Flowering and Deciduous tree has beautiful Yellow chandeliers in Summers. Good perching site for Birds.
18	Erythrina variegata	Pangara	2	Native to Western Maharashtra, this Reddish-Orange Flowering and Deciduous tree attracts lot of Birds for the Nectar.
19	Terminalia catapa	Badam	2	Drought tolerant.
20	Terminalia arjuna	Arjuna	2	Large evergreen tree.
21	Bauhinia purpurea	Kanchan	2	Exotic tropical tree that blooms over a long period of time.
22	Michelia champaca	Son chapha	3	Large evergreen tree.
23	Plumeria alba	Plumeria alba	2	Tree with elongated leaves, large and strongly perfumed white flowers with a yellow center. Ornamental plant.
24	Couroupita guianensis	Kailash pati	2	Deciduous tree. Flowering & Fruit Bearing. Medicinal properties.

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25	Khaya anthotheca	Mahagony	2	Large, fast-growing, semi-deciduous tree with a dense crown.
26	Butea monosperma	Palas	2	Medium-sized dry season-deciduous tree.
27	Ficus glomerate	Cluster fig	2	Deciduous tree. Medicinal Properties.
28	Phyllanthus emblica	Indian goose berry	4	Small to medium sized deciduous tree. Ayurvedic importance.
29	Dalbergia latifolia	Indian rosewood	2	Single-stemmed deciduous tree with a dome shaped crown of lush green foliage.
30	Cordia dichotoma	Indian Cherry	4	Flowering & fruiting Tree.
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	NA	NA	NA

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	75 KW
	DG set as Power back-up during construction phase	30 KVA
	During Operation phase (Connected load):	1670 KW
	During Operation phase (Demand load):	1119 KW
	Transformer:	630 KVA- 2 Nos
	DG set as Power back-up during operation phase:	500 KVA- 3 Nos
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Solar PV
Transformer Saving
Street Light With Timer
LED in Parking
LED in Common Areas

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %

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1	Transformer Saving, Street light with timer, LED in Parking, LED in Common Areas, Solar PV	6%

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 13.0 Lacs
	O & M cost:	Rs. 2.0 Lacs/Annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water for Construction & Labour	Water Requirement	1.5
2	Site Sanitation & Safety	Health & Safety	1.2
3	Environmental Monitoring	Pollution	1.8
4	Disinfection	Health & Safety	1.0
5	Health Check-up	Health & Safety	1.0

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Rain Water Harvesting	RWH Pits	5.4	0.16
2	Sewage Treatment Plant	Waste Water Management	34.5	6.8
3	Organic Waste Composter	Solid Waste Management	3.75	0.5
4	Tree Plantation	Landscape Development	0.75	0.25
5	Energy Saving	Energy Conservation	13.0	2.0
6	Environmental Monitoring	Pollution Control	0.00	1.8

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

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	Nos. of the junction to the main road & design of confluence:	1
Parking details:	**Number and area of basement:**	3 Nos- 8913.87 Sqm
	Number and area of podia:	NIL
	Total Parking area:	4294 Sqm
	Area per car:	12.5 Sqm
	Area per car:	12.5 Sqm
	Number of 2-Wheelers as approved by competent authority:	561 Nos
	Number of 4-Wheelers as approved by competent authority:	225 Sqm
	Public Transport:	NIL
	Width of all Internal roads (m):	6 M
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8(a)
	Court cases pending if any	Na
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

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SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	Satisfactory.
Water Budget	Satisfactory.
Waste Water Treatment	Satisfactory.
Drainage pattern of the project	Satisfactory.

Ground water parameters	Satisfactory.
Solid Waste Management	Satisfactory.
Air Quality & Noise Level issues	Satisfactory.
Energy Management	Satisfactory.
Traffic circulation system and risk assessment	Satisfactory.
Landscape Plan	Satisfactory.
Disaster management system and risk assessment	Satisfactory.
Socioeconomic impact assessment	Satisfactory.
Environmental Management Plan	Satisfactory.
Any other issues related to environmental sustainability	Satisfactory.

Brief information of the project by SEAC

PP submitted their application for prior Environmental clearance for total plot area of 4490.62 m2, FSI area of 11135.72 m2, Non FSI area of 19781.45 m2 and total BUA of 30917.17 m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B2.

DECISION OF SEAC

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During discussion following points emerged:

1. PP to submit CFO NOC.

2. PP to submit undertaking regarding provision of RG area as per DC rules.

*SEAC decided to **recommend** the proposal for prior environmental Clearance, subject to PP complying with the above condition.*

Specific Conditions by SEAC:

1) PP to submit CFO NOC.
2) PP to submit undertaking regarding provision of RG area as per DC rules.

FINAL RECOMMENDATION

SEAC-III have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions

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88 SEAC-3 Day 03

SEAC Meeting number: 88 **Meeting Date** May 30, 2019

Subject: Environment Clearance for Expansion of Proposed Residential & Commercial project "7 Plumeria Drive" at S. no. 7,8/1A, 8/1B, 8/2 (P), 8/3 (P), 8/4,8/5, 8/6, 8/7(P), 8/8A+ 8/9B+ 8/8B+ 9A+ 8/9C+ 8/10/1+ 8/10/2+8/10/3+8/11 & 6/2+3+4+6+7+8+9+10, Punawale, Pune by M/s. B A Consulting

Is a Violation Case: No

1.Name of Project	Expansion of Proposed Residential & Commercial project "7 Plumeria Drive" at S. no. 7,8/1A, 8/1B, 8/2 (P), 8/3 (P), 8/4,8/5, 8/6, 8/7(P), 8/8A+ 8/9B+ 8/8B+ 9A+ 8/9C+ 8/10/1+ 8/10/2+8/10/3+8/11 & 6/2+3+4+6+7+8+9+10, Punawale, Pune by M/s. B A Consulting
2.Type of institution	Private
3.Name of Project Proponent	Mr. Sachin Bhandari
4.Name of Consultant	Ms. Sayali Jagtap- Approved EIA Coordinator
5.Type of project	Residential & Commercial
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	EC letter received no. SEAC 2212/CR 251/TC-II dated 14th December, 2015.
8.Location of the project	S. no. 7,8/1A, 8/1B, 8/2 (P), 8/3 (P), 8/4,8/5, 8/6, 8/7(P), 8/8A+ 8/9B+ 8/8B+ 9A+ 8/9C+ 8/10/1+ 8/10/2+8/10/3+8/11 & 6/2+ 3+4+ 6+7+ 8+9+10, Punawale, Pune.
9.Taluka	Mulshi
10.Village	Punawale
Correspondence Name:	Mr. Mahesh Waghmale
Room Number:	-
Floor:	-
Building Name:	-
Road/Street Name:	S. no. 84/2, Baner road, Near sakal nagar, Aundh, Pune.
Locality:	Aundh
City:	Pune
11.Area of the project	Pimpri Chinchwad Municipal Corporation (PCMC)
12.IOD/IOA/Concession/Plan Approval Number	Received
	IOD/IOA/Concession/Plan Approval Number: B.P./ENV/PUNAWALE/04/2019 dated 06.03.2019
	Approved Built-up Area: 145692.94
13.Note on the initiated work (If applicable)	Total constructed area as per earlier EC received is 68372.59 Sq.m
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	64546.32 sq. m
16.Deductions	29844.92 sq. m
17.Net Plot area	34701.40 sq. m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 75812.25 SQ.M
	b) Non FSI area (sq. m.): 69880.69 SQ.M
	c) Total BUA area (sq. m.): 145692.94
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 75812.25 SQ.M
	Approved Non FSI area (sq. m.): 69880.69 SQ.M
	Date of Approval: 06-03-2019
19.Total ground coverage (m2)	17081.05 sq. m
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	49.22 %
21.Estimated cost of the project	120000000

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22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building A	Parking + 21 floors	67.66 m
2	Building B	Parking + 21 floors	67.66 m
3	Building C	Parking + 21 floors	67.25 m
4	Building D	Parking + 21 floors	67.66 m
5	Building E	Parking + 21 floors	67.25 m
6	Building J (Parking building)	2 Parking floors	6.84 m
7	Building F	Parking + 21 floors	67.66 m
8	Building G	Parking + 21 floors	67.25 m
9	Building H	Parking + 21 floors	67.66 m
10	Building I	Parking + 21 floors	67.81 m
11	EWS Building	Parking + 11 floors	36.75 m
12	Building K (Parking building)	2 Parking floors	6.65 m
13	Amenity Building (Commercial)	Basement + Lower ground + Upper ground + 4 floors	16.75 m
14	Building L (Commercial)	Lower Ground + Upper Ground+2 floors	8.52 m
15	Club houses (2 no's)	Ground + 1 floor	9 m & 8.30 m

23.Number of tenants and shops	Residential : 909 flats Amenity Building: 24 shops, 46 halls / offices (Area : 2628.49 sq. M) Commercial building: 18 shops & 9 offices (Area : 612.67 sq. M)
24.Number of expected residents / users	Residential : 4545 no's Commercial (Amenity + Commercial bldg) : 1526 no's
25.Tenant density per hectare	250 /Ha
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Existing 18 m DP road.
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.00 m
29.Existing structure (s) if any	As per earlier EC received the construction done which is : Bldg A (up to 10 floor), Bldg B(up to 15 floor), Bldg C, D, E, EWS (completed), Club house, J bldg podium, UGT (2 no's), STP (2 no's), Transformer, OWC.
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

Dry season:	**Source of water**	PCMC
	Fresh water (CMD):	366.50
	Recycled water - Flushing (CMD):	198
	Recycled water - Gardening (CMD):	84.66
	Swimming pool make up (Cum):	20
	Total Water Requirement (CMD) :	669.16
	Fire fighting - Underground water tank(CMD):	1200
	Fire fighting - Overhead water tank(CMD):	30 KLD(Residential + Commercial)
	Excess treated water	299.56
Wet season:	**Source of water**	PCMC
	Fresh water (CMD):	366.50
	Recycled water - Flushing (CMD):	198
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	20
	Total Water Requirement (CMD) :	584.50
	Fire fighting - Underground water tank(CMD):	1200
	Fire fighting - Overhead water tank(CMD):	30 KLD(Residential + Commercial)
	Excess treated water	384.22
Details of Swimming pool (If any)	• Dimension of Swimming Pool: Swimming pool : 17.80 X 8.51 X [(1.20+0.90)/2] , Baby Pool : 12.38 X 4.05 X [(0.45+0.60)/2] , Reflecting Pool :6.90 X 5.10 X 0.60, Bubbler Pool : 38.75 sq. m X 0.60 • Total water Requirement in KLD : 230 CUM • Water requirement for make up in KLD: 20 CUM • Capital Cost: Rs. 34,50,000 /- • O & M cost: - Rs. 3,45,000 /-	

33.Details of Total water consumed

Particulars	Consumption (CMD)	Loss (CMD)	Effluent (CMD)

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Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	10-30 m
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	11 no’s
	Size of recharge pits :	2.75 x 2.75 x 2.25 M
	Budgetary allocation (Capital cost) :	Rs. 11,00,000 /-
	Budgetary allocation (O & M cost) :	Rs. 1, 50,000 /-
	Details of UGT tanks if any :	Domestic UG tank Capacity (cum) : 635.5 Cum Flushing tank Capacity(cum) : 198.5 Cum Fire UG tank Capacity (cum) : 1200 Cum
35.Storm water drainage	**Natural water drainage pattern:**	As per contour
	Quantity of storm water:	34.80 Cum/Min
	Size of SWD:	900mm dia pipe 1 no.
Sewage and Waste water	**Sewage generation in KLD:**	612.87 KLD
	STP technology:	MBBR technology
	Capacity of STP (CMD):	STP 1 (Residential) – 561 KLD , STP 2 (EWS bldg) – 27 KLD, STP3 (Amenity + Commercial Bldg)- 27 KLD
	Location & area of the STP:	Areas : STP1 - 215 sq. m , STP2 - 25 sq. m , STP 3 - 25 sq. m
	Budgetary allocation (Capital cost):	Rs. 90,00,000 /-
	Budgetary allocation (O & M cost):	Rs. 10,00,000 /-

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Total waste : 50 kg/day(Wet waste – 30 kg/day , Dry waste – 20 kg/day)
	Disposal of the construction waste debris:	The construction waste will be used within the site for levelling purpose and base course preparation of internal approach roads
Waste generation in the operation Phase:	**Dry waste:**	1061.6 kg/day
	Wet waste:	1439.8 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	45 Kg/day
	Others if any:	E-waste : 10.4 kg/day

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Mode of Disposal of waste:	**Dry waste:**	To authorized vendor SWACH
	Wet waste:	Treatment of OWC
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be used as a manure
	Others if any:	E-waste To authorized vendor SWACH
Area requirement:	**Location(s):**	Shown in plan
	Area for the storage of waste & other material:	OWC 1 (For residential) : 142 sq. M , OWC 2(Amenity & comm.) : 21 sq. M , OWC 3(Comm.) : 18 sq. m
	Area for machinery:	Considered in above
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 14,50,000 /-
	O & M cost:	Rs. 2,60,000 /-

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

Amount of effluent generation (CMD):	Not applicable
Capacity of the ETP:	Not applicable
Amount of treated effluent recycled :	Not applicable
Amount of water send to the CETP:	Not applicable
Membership of CETP (if require):	Not applicable
Note on ETP technology to be used	Not applicable
Disposal of the ETP sludge	Not applicable

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable

41.Source of Fuel	Not applicable
42.Mode of Transportation of fuel to site	Not applicable

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43.Green Belt Development	**Total RG area :**	RG area required: 4084.05 sq. m (10 %) RG area on podium : 5010 sq. m
	No of trees to be cut :	0
	Number of trees to be planted :	444
	List of proposed native trees :	Provided below
	Timeline for completion of plantation :	Up to completion of project

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Manikara zapota	Chikoo	26	Tropical fruit tree & bird attracting tree
2	Michelia champaca	Champa	26	Evergreen timber plant, ornamental
3	Mimu sopeselengi	Bakul	26	Evergreen tree, timber yielding and medicinal plant
4	Ficus benjamina	Weeping fig	26	Evergreen & bird attracting tree
5	Cassia fistula	Golden shower	26	Drought tolerant, ornamental & medicinal plant
6	Butea monosperma	Flame tree	26	Used in pesticide & dye preparation,
7	Cassia grandis	Pink shower	26	Drought tolerant, ornamental & medicinal plant
8	Saraca indica	Sitaashok	26	Evergreen medicinal plant
9	Roystonearegia	Royal palm	26	Nitrogen fixer, ornamental plant
10	Syzygium cumini	Jambhul	26	Fruit tree & bird attracting
11	Neolamarkia cadamba	Kadamba tree	26	Tropical fruit tree & bird attracting tree
12	Mangifera indica	Mango tree	26	Evergreen & bird attracting tree
13	Pongamiapinnata	karanj	26	Karanj is an important ayurvedic medicine
14	Phyllanthus officinalis	Awala	26	Evergreen medicinal and fruit plant
15	Psidiumguajava	Peru	26	Fruit tree
16	AzadirachtaIndica	Neem	27	Traditional medicinal Plant
17	Albizialebbeck	Shirish	27	Evergreen timber plant, ornamental
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	Durantaerecta	0.30	12.5
2	Duranta repens	0.30	12.5
3	Oleander pink	0.30	12.5

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4	Oleander red	0.30	12.5
5	Oleander white	0.30	12.5
6	Tecoma castanifolia	0.30	12.5
7	Tabernaemontana coronatia	0.30	12.5
8	Durantaerecta	0.30	12.5
9	Tabernaemontana corymbosa variegated	0.30	12.5
10	Plumbago auriculata	0.30	12.5
11	Cassia biflora	0.30	12.5
12	Bouigainvellea glabra	0.30	12.5
13	Allamanda schotty compacta	0.30	12.5
14	Lagestromia indica	0.30	12.5
15	Hamelia patens	0.30	12.5
16	Tecoma stanse	0.30	12.5
17	Acalypha wikesiana	0.30	12.5
18	Cortaderia selloana	0.30	12.5
19	Dianella australiana	0.30	12.5
20	Tagetes erecta	0.30	12.5
21	Tecoma capensis	0.30	12.5
22	Galphimia glauca	0.30	12.5
23	Revenia spectabilis	0.30	12.5

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	45 KW
	DG set as Power back-up during construction phase	62.5 KVA
	During Operation phase (Connected load):	6424 KW , 8030 KVA
	During Operation phase (Demand load):	3145 KW , 39341 KVA
	Transformer:	6 x 630 KVA
	DG set as Power back-up during operation phase:	250 KVA & 200 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

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1. Use of LED lights in Parking area, lift-lobby and stair-case
2. Using Solar system in Common Area Lighting & Street/ Landscape lights with LED lamps.
3. V3F drive is proposed for all lifts
4. Recommend to attain power factor of the installation near unity

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	LED Lamp & Fitting For Common (Parking, Floor Lobbies & Stair Case) + Landscape Area Lighting + Area Lighting (Street Light) + Solar Hot Water	20 %

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 2,05,00,000 /-
	O & M cost:	Rs. 10,00,000 /-

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air	Erosion control – dust suppression measures and barricading	Rs. 1,06,000 /-
2	Land	Site Sanitation	Rs. 26,500 /-
3	Health & safety	Site Safety	Rs.88,000 /-
4	Environment management	Environmental Monitoring	Rs. 1,20,000/-
5	Health & safety	Disinfection and Health Check-ups	Rs. 45,000 /-

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	3 no's of STP	Rs. 90,00,000 /-	Rs. 10,00,000 /-
2	Rain Water Harvesting	11 no's	Rs. 11,00,000 /-	Rs. 1,50,000 /-
3	Solid Waste Management	3 no's of OWC	Rs. 14,50,000 /-	Rs. 2,60,000 /-
4	Green Belt Development	444 no's of trees	Rs. 62,65,197 /-	Rs. 5,11,068 /-
5	Energy details	Solar hot water +Solar PV panels	Rs. 2,05,00,000 /-	Rs. 10,00,000 /-
6	Swimming pool	-	Rs. 34,50,000 /-	Rs. 3,45,000 /-
7	Environmental Monitoring	EMP costing	MoEFCC approved laboratory	Rs. 8,90,000 /-

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

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Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Existing 18 m DP road.
Parking details:	**Number and area of basement:**	No
	Number and area of podia:	2 no's of podiums, Area : 7988.8 sq. m
	Total Parking area:	21777.28 sq. M
	Area per car:	12.5 sq. M as per DC rule
	Area per car:	12.5 sq. M as per DC rule
	Number of 2-Wheelers as approved by competent authority:	Scooters : 2016 , Cycles : 1884
	Number of 4-Wheelers as approved by competent authority:	619
	Public Transport:	Pune city buses
	Width of all Internal roads (m):	6.00 m
	CRZ/ RRZ clearance obtain, if any:	No
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	None within 10 km
	Category as per schedule of EIA Notification sheet	B2
	Court cases pending if any	No
	Other Relevant Informations	NA

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	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-
Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

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PP submitted their application for prior Environmental clearance for total plot area of 64546.32 m2, FSI area of 75812.25 m2, Non FSI area of 69880.69 m2 and total BUA of 145692.94 m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B2.

DECISION OF SEAC

The Committee noted that the PP has received previous EC vide EC letter no. SEAC 2212/CR 251/TC-II dated 14th December, 2015 and Total constructed area as per earlier EC received is 68372.59 m2. However, the PP failed to justify that the work was carried out as per the building configuration approved in previous EC. The Committee decided that the previous records available with the Environment Department shall be verified with the actual work (building configuration) carried out on site. The PP is also directed to submit supporting documents.

PP requested for time to submit the information sought; after deliberations committee asked PP to ***comply with*** *the observations and submit information to the committee for further appraisal by SEAC.*

Specific Conditions by SEAC:

FINAL RECOMMENDATION

SEAC-III decided to defer the proposal.Kindly find SEAC decision above.

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88 SEAC-3 Day 04

SEAC Meeting number: 88 **Meeting Date** May 31, 2019

Subject: Environment Clearance for Environment Clearance for " Red Earth " Proposed Residential project At Gat No 307 (P), 308(P), 309(P), 310 AT Urawade, Taluka - Mulshi, Dist. - Pune, Maharashtra , By M/s. Prarambha Realtors.

Is a Violation Case: No

1.Name of Project	" Red Earth "
2.Type of institution	Private
3.Name of Project Proponent	Mr. Rahul Arunkumar Pandit
4.Name of Consultant	Goldfinch Engineering System Private Limited. Plot No. A-288, Road No. 16 Z, Opp. Agriculture Office Bus-stop, Thane Industrial Area, MIDC (Wagle Estate), Thane (W) – 400604., Maharashtra, India. PH: 91-22-25801529/21/46 Accreditation No : NABET/EIA/1518/RA0066
5.Type of project	Residential Project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Gat No 307 (P), 308(P), 309(P), 310 AT Urawade, Taluka - Mulshi, Dist. - Pune, Maharashtra
9.Taluka	Mulshi
10.Village	Urawade
Correspondence Name:	Mr. Dipak Murlidhar Jawale
Room Number:	101
Floor:	1st
Building Name:	Vijaydurg
Road/Street Name:	Prabhat Road
Locality:	Erandwane
City:	Pune
11.Area of the project	Pune Metropolitan Region Development Authority (PMRDA)
12.IOD/IOA/Concession/Plan Approval Number	Pune Metropolitan Region Development Authority (PMRDA)
	IOD/IOA/Concession/Plan Approval Number: IOD/IOA/Concession/Plan Approval Number : BMU-C.R.NO.1046/16/17&Dt. 09.04.2017
	Approved Built-up Area: 39115.74
13.Note on the initiated work (If applicable)	Yes , 19892.45 sqm Completed as per previous sanction
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	15353.00 sq.mt.
16.Deductions	2743.56 sq.mt.
17.Net Plot area	12,609.44 sq.mt.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 18683.42 sq.mt.
	b) Non FSI area (sq. m.): 20432.32 sq.mt.
	c) Total BUA area (sq. m.): 39115.74
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 18556.43 sq.mt.
	Approved Non FSI area (sq. m.): 20432.32 sq.mt.
	Date of Approval: 09-04-2017
19.Total ground coverage (m2)	4,128.66 sq.mt.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	26.89 %
21.Estimated cost of the project	674430752

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22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A Type	LP+UP+P+12	37.44 m
2	B Type	LP+UP+P+12	37.44 m
3	C Type	LP+UP+12	37.44 m
4	D Type	LP+UP+12	37.44 m
5	Row House	P+GR/ Stilt+1	9.03 m

23.Number of tenants and shops	Tenanment : 367 Nos.
24.Number of expected residents / users	Residential = 1835 Nos.
25.Tenant density per hectare	231/ha
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Nearest fire station distance 12.5 km (MIDC Ultra Modern Fir Station)
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	NO
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

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Dry season:	**Source of water**	Grampanchayat Or Tanker
	Fresh water (CMD):	165.00
	Recycled water - Flushing (CMD):	83.00
	Recycled water - Gardening (CMD):	28.00
	Swimming pool make up (Cum):	2.00
	Total Water Requirement (CMD) :	276.00
	Fire fighting - Underground water tank(CMD):	250.00
	Fire fighting - Overhead water tank(CMD):	20.00 Each Building
	Excess treated water	114.00
Wet season:	**Source of water**	Grampanchayat Or Tanker
	Fresh water (CMD):	165.00
	Recycled water - Flushing (CMD):	83.00
	Recycled water - Gardening (CMD):	0.00
	Swimming pool make up (Cum):	2.00
	Total Water Requirement (CMD) :	248.00
	Fire fighting - Underground water tank(CMD):	250.00
	Fire fighting - Overhead water tank(CMD):	20.00 Each Building
	Excess treated water	142.00

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Details of Swimming pool (If any)	Dimension of Swimming Pool : Main Pool : 12.60 mtrs x 6.50 mtrs x 1.2 mtrs = 98.00 cub mtrs. Jacuzzi Pool : 4.45 mtrs x 3.30 mtrs x 1.0 mtrs = 15.00 cub mtrs. Balancing Tank- 3.0 mtrs x 3.0 mtrs x 1.2 mtrs = 10.80 cub mtrs. Total Water Requirement in KLD : 125.00 cub Mtrs (125 KL) Water requirement for make up in KLD : Less than 2.00 KLD. Details of Plant & Machinery used for treatment of Swimming pool water : Plant & Machinery: This system will have Quartz Sand Filter to trap all debris and also Ozone based / TCCA based Dosing System to kill bacteria & algae present in the water. This enables water crystal clear and also avoids breeding of mosquitoes in water. Details of quality: This swimming pool has a latest Equipments for water treatment like Totally Anticorrosive Filter with Multiport Valve, Plastic Body Pump with Strainer, Chemical Dosing System,, Ozone system for efficient filtration and to control , kill Algae and bacteria present in the water. This pool also has Many other Pool Basin Equipments like Inlet Nozzles, Drain Suction Nozzles, Summers/ overflow Grating for efficient water circulation of treated water in the pool and as well take contaminated water to filtration and Chemical dosing system for trapping debris and kill algae and bacteria. All other pool Equipments like - Pool SS Ladders, Under Water Lights with Junction boxes and complete set of Pool Cleaning are also non corrosive types to help maintain quality of water. Frequency of Monitoring : The entire Filtration system will be run daily as per manufacturer's instructions and details of monitoring. (Usually min. 6 Hrs everyday) and also the pool water will be chemically treated every day to maintain the water quality at above level. Capital Cost : 5.00 to 6.00 Lacs O & M cost : 12,000/- per month

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Post monsoon : 4.50 meter , Pre monsoon : 5.90 meter
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	5 Nos
	Size of recharge pits :	2 m x 2 m x 2 m Depth 60 meter
	Budgetary allocation (Capital cost) :	2.25 Lacs
	Budgetary allocation (O & M cost) :	0.2 Lacs
	Details of UGT tanks if any :	Domestic Capacity (Lit) : 142162 Lit. Flushing Tank Capacity (Lit) : 123109 Lit. Fire fighting Tank Capacity (lit) :250000 Lit.
35.Storm water drainage	**Natural water drainage pattern:**	To Nalla
	Quantity of storm water:	857.58
	Size of SWD:	600mm
Sewage and Waste water	**Sewage generation in KLD:**	223 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	225
	Location & area of the STP:	As per drawing
	Budgetary allocation (Capital cost):	48.00 lacs
	Budgetary allocation (O & M cost):	9.15 lacs
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Excavation of Soil = 9687 CuM Excavation of Soil = 7925 CuM All excavated material will be use for plinth filling & for road
	Disposal of the construction waste debris:	Construction Waste debris will be use for plinth & road filling = 11692 CuM
Waste generation in the operation Phase:	**Dry waste:**	367 kg
	Wet waste:	551 kg
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	47.77 Kg
	Others if any:	NA

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Mode of Disposal of waste:	**Dry waste:**	Dry waste will be sent for recycling to Authorised Vendor
	Wet waste:	Wet waste will be converting to composting for by OWC
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	STP sludge sent to SWM site for converting in to compost
	Others if any:	NA
Area requirement:	**Location(s):**	As per plan
	Area for the storage of waste & other material:	12 SqM
	Area for machinery:	40 SqM
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	16.75 Lakhs
	O & M cost:	3.73 Lakhs

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

Amount of effluent generation (CMD):	Not applicable
Capacity of the ETP:	Not applicable
Amount of treated effluent recycled :	Not applicable
Amount of water send to the CETP:	Not applicable
Membership of CETP (if require):	Not applicable
Note on ETP technology to be used	Not applicable
Disposal of the ETP sludge	Not applicable

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable

41.Source of Fuel	Authorised Vendor
42.Mode of Transportation of fuel to site	By Road

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43.Green Belt Development	**Total RG area :**	1483.46 Sqm
	No of trees to be cut :	NA
	Number of trees to be planted :	190 Nos
	List of proposed native trees :	List Mention Below
	Timeline for completion of plantation :	1 Year before project completion.

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Manikara zapota	Chikoo	7	Tropical fruit tree & bird attracting tree
2	Michelia champaca	Champa	23	Evergreen timber plant, ornamental,
3	Mimusopeselengi	Bakul	9	Evergreen tree, timber yielding and medicinal plant
4	Ficus benjamina	Weeping fig	7	Evergreen & bird attracting tree
5	Cassia fistula	Golden shower	20	Drought tolerant, ornamental & medicinal plant
6	Butea monosperma	Flame tree	18	Used in pesticide & dye preparation,
7	Cassia grandis	Pink shower	10	Drought tolerant, ornamental & medicinal plant
8	Saraca Indica	Sita Ashok	15	Nitrogen fixer, ornamental plant
9	Roystonea regia	Royal palm	46	A large and attractive palm
10	Erythrina Subrosa	Pangara	15	fruit tree & bird attracting
11	Neolamarkia Cadamba	Kadamba tree	8	Tropical fruit tree & bird attracting tree
12	Mangifera indica	Mango tree	12	Evergreen & bird attracting tree
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	Durantaerecta	0.30	26.58
2	Durantarepens	0.30	26.58
3	Nerium oleander	0.30	26.58
4	Nerium oleander	0.30	26.58
5	Nerium oleander	0.30	26.58
6	Tecomacastanifolia	0.30	26.58
7	Tabernaemontanacoronatia	0.30	26.58
8	Tabernaemontanadivaricata	0.30	26.58
9	Tabernaemontanacorymbosavariegated	0.30	26.58
10	Plumbagoauriculata	0.30	26.58
11	Cassia biflora	0.30	26.58
12	Bouigainvelleaglabra	0.30	26.58

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13	Allamandaschotty compacta	0.30	26.58
14	Lagestromiaindica	0.30	26.58
15	Hamelia patens	0.30	26.58
16	Tecomastanse	0.30	26.58
17	Acalyphawikesiana	0.30	26.58
18	Cortaderiaselloana	0.30	26.58
19	Dianellaaustraliana	0.30	26.58
20	Tageteserecta	0.30	26.58
21	Tecomacapensis	0.30	26.58
22	Galphimiaglauca	0.30	26.58
23	Reveniaspectabilis	0.30	26.58

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	30 KW
	DG set as Power back-up during construction phase	30 KVA
	During Operation phase (Connected load):	1286KVA
	During Operation phase (Demand load):	515KVA
	Transformer:	2 X 630KVA
	DG set as Power back-up during operation phase:	160 kva
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	No

48.Energy saving by non-conventional method:

1 SOLAR PV SYSTEM: -13KW=138690 KWH/YEAR
2 SOLAR HOT WATER:115290 KWH/YR
3 ENERGY CONSERVATION METHOD=29375 KWH/YEAR

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	283355KWH/YEAR	25 %

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	19.33 Lacs
	O & M cost:	1.84 Lacs

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51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water	Dust Suppression	0.7
2	Site Sanitation, Health Check Up & Safety	Health & Safety	1.0
3	Environmental Monitoring	Air, Water, Noise Soil	0.4

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air, water, Noise, Soil	Post Project Environment Monitoring	0	0.125
2	Water	Rainwater Harvesting	2.25	0.20
3	Wastewater	Sewage Treatment Plant	48.00	9.15
4	Municipal Solid waste	Solid waste Management	16.75	3.73
5	Plantation	Landscaping	17.42	0.10
6	Energy	Energy Savings	19.33	1.84

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	NO

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Parking details:	**Number and area of basement:**	1 Nos
	Number and area of podia:	NO
	Total Parking area:	4632.80 Sqm, (For Cycle 614 Nos X 0.70= 429.8 sqm)
	Area per car:	30 Sqm (Covered) & 25 Sqm (Open)
	Area per car:	30 Sqm (Covered) & 25 Sqm (Open)
	Number of 2-Wheelers as approved by competent authority:	614Nos
	Number of 4-Wheelers as approved by competent authority:	60 Nos (Covered) 47Nos (Open)
	Public Transport:	Available near to site
	Width of all Internal roads (m):	9 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NO
	Category as per schedule of EIA Notification sheet	B2
	Court cases pending if any	NO
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	Satisfactory.
Water Budget	Satisfactory.
Waste Water Treatment	Satisfactory.
Drainage pattern of the project	Satisfactory.
Ground water parameters	Satisfactory.
Solid Waste Management	Satisfactory.

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Air Quality & Noise Level issues	Satisfactory.
Energy Management	Satisfactory.
Traffic circulation system and risk assessment	Satisfactory.
Landscape Plan	Satisfactory.
Disaster management system and risk assessment	Satisfactory.
Socioeconomic impact assessment	Satisfactory.
Environmental Management Plan	Satisfactory.
Any other issues related to environmental sustainability	Satisfactory.

Brief information of the project by SEAC

PP submitted their application for prior Environmental clearance for total plot area of 15353 m2, FSI area of 18683.42 m2, Non FSI area of 20432.32 m2 and total BUA of 39115.74 m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B2.

DECISION OF SEAC

The PP has satisfactorily complied with the points raised in 86th SEAC-3 meeting.

*SEAC decided to **recommend** the proposal for prior environmental Clearance.*

Specific Conditions by SEAC:

1) -

FINAL RECOMMENDATION

SEAC-III have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions

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88 SEAC-3 Day 04

SEAC Meeting number: 88 **Meeting Date** May 31, 2019

Subject: Environment Clearance for Application for proposed expansion of Residential and Commercial Project "Paranjape Abhiruchi Parisar"

Is a Violation Case: No

1.Name of Project	"Paranjape Abhiruchi Parisar"
2.Type of institution	Private
3.Name of Project Proponent	Paranjape Schemes (Construction) Limited
4.Name of Consultant	Mahabal Enviro Engineers Pvt. Ltd., Thane, Maharashtra
5.Type of project	Housing Project- Residential and Commercial Project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in existing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes, We have received Environment Clearance from State Environment Impact Assessment Authority, Maharashtra vide no. SEIAA-EC-0000000270 Dated 04th May 2018)
8.Location of the project	Survey No. 24/1 (part) + 25, at village Dhayari Taluka-Haveli, District- Pune
9.Taluka	Haveli
10.Village	Dhayari
Correspondence Name:	Paranjape Schemes (Construction) Ltd.
Room Number:	-
Floor:	-
Building Name:	Blue Ridge
Road/Street Name:	Near Cognizant
Locality:	Rajiv Gandhi Infotech Park-Phase I
City:	Hinjawadi, Pune-411057
11.Area of the project	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Sanction Plan received from Pune Municipal Corporation vide CC/0162/17 Dated 24/04/2017
	IOD/IOA/Concession/Plan Approval Number: Sanction Plan received from Pune Municipal Corporation vide CC/0162/17 Dated 24/04/2017
	Approved Built-up Area: 145387
13.Note on the initiated work (If applicable)	Construction work in in progress as per earlier Environment Clearance
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Sanction Plan received from Pune Municipal Corporation vide CC/0162/17 Dated 24/04/2017
15.Total Plot Area (sq. m.)	1,01,243 m2
16.Deductions	29,360 m2
17.Net Plot area	71,882 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 1,36,650 m2
	b) Non FSI area (sq. m.): 1,88,279 m2
	c) Total BUA area (sq. m.): 324929
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 93, 675 m2
	Approved Non FSI area (sq. m.): 51,712 m2
	Date of Approval: 24-04-2017
19.Total ground coverage (m2)	Residential building plinth area is 14,539 m2 (20%) & Ground coverage is 50% (Including parking area)
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	50%
21.Estimated cost of the project	6230000000

22.Number of buildings & its configuration

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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Tower 1 – Wing 1A,1B,1C	LP+UP+Stilt+14 Floors	49.53
2	Tower 2 – Wing 2A, 2B	LP+UP+15 Floors	49.50
3	Tower 3 – Wing 3A,3B	LP+UP+Stilt+15 Floors	49.95
4	Tower 4- Wing 4A,4B,4C	LP+UP+Stilt+15 Floors	49.95
5	Tower 5 – Wing 5A,5B,5C	LP+UP+Stilt+15 Floors	49.95
6	Tower 6 –Wing 6A,6B,6C	LP+UP+Stilt+15 Floors	49.95
7	Tower 7 – Wing 7A,7B	LP+UP+15 Floors	49.5
8	Tower 8 – Wing A	LP+UP+13 Floors	44.9
9	Tower 9 – Wing B	LP+UP+14 Floors	47.80
10	Tower 10 – Wing C	LP+UP+14 Floors	47.80
11	MHADA-1 Wing A	P+11 Floors	34.95
12	MHADA-1 Wing B	P+11 Floors	34.95
13	MHADA-2	P+11 Floors	35.25
14	Club House -1	G+1 Floors	10.65
15	Club House -2	G+1 Floors	10.65
16	Club House -3	G+1 Floors	10.65

23.Number of tenants and shops	2,632 nos. of Tenements 38 Nos. of Shops
24.Number of expected residents / users	Total Population- 13,410 nos. (Residential – 13,160 nos. Commercial – 250 Nos.)
25.Tenant density per hectare	350/Ha.
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	9m,12m,18m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	Existing constructed buildings as per environment clearance
30.Details of the demolition with disposal (If applicable)	Not Applicable

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

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Dry season:	**Source of water**	Pune Municipal Corporation (PMC)
	Fresh water (CMD):	1,203 m3
	Recycled water - Flushing (CMD):	593 m3
	Recycled water - Gardening (CMD):	45 m3
	Swimming pool make up (Cum):	2 m3
	Total Water Requirement (CMD) :	1,796 m3
	Fire fighting - Underground water tank(CMD):	1,575 m3
	Fire fighting - Overhead water tank(CMD):	20 m3 each wing
	Excess treated water	904 m3
Wet season:	**Source of water**	Pune Municipal Corporation (PMC)
	Fresh water (CMD):	1,203 m3
	Recycled water - Flushing (CMD):	593 m3
	Recycled water - Gardening (CMD):	23 m3
	Swimming pool make up (Cum):	2 m3
	Total Water Requirement (CMD) :	1,796 m3
	Fire fighting - Underground water tank(CMD):	1,575 m3
	Fire fighting - Overhead water tank(CMD):	20 m3 each wing
	Excess treated water	926 m3
Details of Swimming pool (If any)	Swimming pool: 2 nos. (Main pool and Kids Pool) Area: 26 m x 8 m x 1.2 m depth and 6.30 m x 8.09 m x 1.2 m depth Total water requirement for the makeup: 2,000 lit/day Area of the pool: 310 m2	

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33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	10-15 meter below ground level
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	25 Nos.
	Size of recharge pits :	1.5 m X 1.5 m X 2.5 m Depth
	Budgetary allocation (Capital cost) :	Rs. 25 Lakh
	Budgetary allocation (O & M cost) :	Rs. 1 Lakh/Year
	Details of UGT tanks if any :	1. Domestic -1,786 m3 2. Flushing – 597 m3 3. Fire Fighting – 1,575 m3
35.Storm water drainage	**Natural water drainage pattern:**	By gravity
	Quantity of storm water:	3m3/sec
	Size of SWD:	1200 mm x 700 mm
Sewage and Waste water	**Sewage generation in KLD:**	1,616 m3
	STP technology:	MBBR
	Capacity of STP (CMD):	1 No. – 900 m3/day (3 x 300 m3/day); 1 No. -510 m3/day (2 x 255 m3/day) ;1 No. – 210 m3/day
	Location & area of the STP:	Location On ground
	Budgetary allocation (Capital cost):	Rs. 180 Lakh
	Budgetary allocation (O & M cost):	Rs. 10 Lakh/year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	7000 m3
	Disposal of the construction waste debris:	Top soil will be used for landscaping. The construction debris will be utilized at site for Road Paving and plinth filling
Waste generation in the operation Phase:	**Dry waste:**	2647 kg/day
	Wet waste:	3970 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	16 kg/day
	Others if any:	NA

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Mode of Disposal of waste:	**Dry waste:**	Dry garbage will be segregated and will be handed over to recycler
	Wet waste:	Wet waste will be composted and used as organic manure for landscaping
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Dry sludge will be used as manure for landscaping
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	Stilt floor
	Area for the storage of waste & other material:	233m2
	Area for machinery:	60 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 52 Lakh
	O & M cost:	Rs. 5 Lakh/ year

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable
41.Source of Fuel		Not applicable		
42.Mode of Transportation of fuel to site		Not applicable		

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43.Green Belt Development	**Total RG area :**	9010 m2
	No of trees to be cut :	Not Applicable
	Number of trees to be planted :	2,086 Nos.
	List of proposed native trees :	Provided
	Timeline for completion of plantation :	6 months after completion of project.

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azardiracta indica	Neem	160	Large, shady, evergreen tree having medicinal properties
2	Bahunia pupurea	Kanchan	172	Evergreen tree, Fast growing, Ornamental, flowering tree
3	Cassia fistula	Bahava	110	Medium sized deciduous tree, Beautiful yellow flowers and Butterfly host plant.
4	Caryota urens	Fishtail palm	376	Evergreen palm. Medicinal and Ornamental plant
5	Erythrina indica	Pangara	174	Medium sized deciduous tree. Bright scarlet flowers.
6	Lagestromia flosreginae	Tamhan	163	State flower tree of Maharashtra, Medium sized tree, has beautiful purple flowers
7	Mimisops elengii	Bakul	112	Shady tree bearing white fragrant flowers
8	Michelia champaca	Sonchafa	67	Medium sized evergreen and shady tree having fragrant flowers
9	Milingtonia hortensis	Indian cork tree	141	Tall deciduous tree having medicinal properties.
10	Mangifera indica	Mango	67	Large evergreen fruit bearing tree.
11	Murraya paniculata	Kunti	156	Small hardy tree bearing fragrant flowering with medicinal properties
12	Plumeria alba	Chafa	227	Small rounded deciduous tree with fragrant flowers
13	Plumeria alba	Chafa	227	Small rounded deciduous tree with fragrant flowers
14	Saraca asoca	Sita Ashok	66	Evergreen flowering tree.
15	Terminalia mantaly	Umbrella tree	43	Evergreen ornamental tree
16	Delonix regia	Gulmohar	52	Deciduous flowering tree
17	Total	-	2086	-
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	Not Applicable	Not Applicable	Not Applicable

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47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	100 kVA
	DG set as Power back-up during construction phase	1 X 125 kVA
	During Operation phase (Connected load):	10,282 kW
	During Operation phase (Demand load):	6,855 kW
	Transformer:	9 nos. x 630 kVA & 1 no. x 315 kVA
	DG set as Power back-up during operation phase:	3 no. x 250 kVA , 2 nos. x 160 kVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Solar water heating system

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar water heating system	100 %
2	Overall energy saving	6.26 %

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 80 Lakh
	O & M cost:	Rs. 8 Lakh/year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water for dust suppression	15
2	Socio- Economic Environment	Site sanitation, Toilets, STP, safe drinking water	20
3	-	Disinfection at site	5

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4	-	Health check-up for workers, first aid kit	7
5	-	Safety net	5
6	Environment management	For Air, Noise, Water Analysis	3
7	-	Site fencing & noise barrier	2
8	-	Traffic management	2
9	-	Storm water management	5
10	-	Vehicle maintenance, washing area, tyre cleaning	3
11	-	Tree plantation & water utilization	5
12	Training and awareness	Safety personal protective equipment & Training programs	5
13	Total	-	77

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage treatment plant	3 Nos of STP having capacity 1690 m3/day	180	10
2	Storm Water Management	-	15	1
3	Rain Water Harvesting	25 Nos. of recharge pits	25	1
4	Land Environment (Solid Waste Management)	-	52	5
5	Landscape development	-	15	2
6	Environmental Monitoring	MoEF Approved Lab	-	5
7	Energy Conservation	-	80	8
8	Fire Fighting System	-	20	2
9	Total	-	387	34

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

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No Information Available		
53.Traffic Management		
	Nos. of the junction to the main road & design of confluence:	2 No.
Parking details:	**Number and area of basement:**	Not Applicable
	Number and area of podia:	2 Nos. of Podium – 33,179 m2 area
	Total Parking area:	81,830 m2
	Area per car:	30 m2 for stilt/podium parking
	Area per car:	30 m2 for stilt/podium parking
	Number of 2-Wheelers as approved by competent authority:	5,603 Nos.
	Number of 4-Wheelers as approved by competent authority:	2,357 Nos.
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	8(b) B1
	Court cases pending if any	Not Applicable
	Other Relevant Informations	This project has received Environment Clearance from Environment Department, GoM vide no. SEAC-III/CR 131/TC-3 Dated 28th January 2016 and amendment in environment clearance vide SEIAA-EC-0000000279 Dated 04th May 2018. The construction work is in progress as per received Environment Clearance.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	20-11-2017
SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS		
Environmental Impacts of the project	-	

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Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-
Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

PP submitted their application for prior Environmental clearance for total plot area of 1,01,243 m2, FSI area of 1,36,650 m2, Non FSI area of 1,88,279 m2 and total BUA of 3,24,929 m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B1.

DECISION OF SEAC

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During discussion following points emerged:

1. In CER, PP has proposed activity pertaining to provision of energy saving appliances like LEDs. PP to delete the same. Also, PP to mention number of plants to be planned and details of OWC machines and how much waste will be converted per day. PP to resubmit CER accordingly.

2. PP to incorporate disaster management committee during construction and after construction and also attach lightening arrester plan in disaster management plan.

3. PP to submit details of fire tender movement drive way 6 m wide and 1,5 m for services. PP to submit cross sections at four different places.

4. Parking layout plan at all levels shall be revised to bigger scale clearly indicating by arrows the entry / exit of cars at all levels. Minimum drive way width not less than 6 m and slope not steeper than 1:10.

5. PP to submit parking statement showing total number of parking required and proposed as per DCR with area per car as per norms.

6. PP to submit debris management plan including (a) debris required for refilling, (b) contour plan, (c) details of site where excess debris will be disposed, capacity of the site and NOC of plot owner. PP shall also ensure that debris disposed on other plot shall not be disposed on another plot. If to be disposed on another plot, the same shall be carried out as per prevailing environmental laws.

7. PP to submit master layout superimposing all environmental parameters.

8. PP to submit details of STP and OWC.

9. PP to submit environmental monitoring matrix as per prevailing norms.

10. PP to submit indemnity bond.

11. PP to submit UGT and recharge pit sections.

12. PP to submit following NOCs : (a) water supply, (b) drainage, (c) CFO, (d) Garden

13. PP to submit survival report of existing 939 trees and undertaking for transplantation of 399 trees. PP to revise plantation plan including local native fruit bearing trees.

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PP requested for time to submit the information sought; after deliberations committee asked PP to ***comply with*** *the observations and submit information to the committee for further discussion and consideration of SEAC.*

Specific Conditions by SEAC:

FINAL RECOMMENDATION

SEAC-III decided to defer the proposal.Kindly find SEAC decision above.

88 SEAC-3 Day 04

SEAC Meeting number: 88 **Meeting Date** May 31, 2019

Subject: Environment Clearance for Residential Project "Akshar Altorios" at Sr. No. 172/1+2+3+4+5/3, 172/6+7+8/2, 174/5,174/6, Village Hadapsar, Taluka: Haveli, District: Pune, Maharashtra by Mr. Arethiya Kanjinhai Dharamshi.

Is a Violation Case: No

1.Name of Project	"Akshar Altorios"
2.Type of institution	Private
3.Name of Project Proponent	Mr. Arethiya Kanjinhai Dharamshi, Director
4.Name of Consultant	Ultra-Tech
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	We had completed construction for Building A,B C & club house. We have completed 14826.63 m2 area. Being Construction Area less than 20,000 m2 the Environment Clearance was not applicable.
8.Location of the project	Sr. No. 172/1+2+3+4+5/3, 172/6+7+8/2, 174/5,174/6
9.Taluka	Haveli
10.Village	--
Correspondence Name:	Office No. 225, Big Splash, Plot No. 78 &79, Sector 17, Vashi, Navi Mumbai-400705
Room Number:	office No. 225
Floor:	Floor 2nd
Building Name:	Big Splash
Road/Street Name:	Sector 17, Vashi, Navi Mumbai-400705
Locality:	Mumbai
City:	Mumbai
11.Area of the project	PMC
12.IOD/IOA/Concession/Plan Approval Number	Approved Layout Plan
	IOD/IOA/Concession/Plan Approval Number: No. PRH/NASR/65/2013
	Approved Built-up Area: 15470.83
13.Note on the initiated work (If applicable)	Work has been initiated. We had completed construction for Building A,B C & club house. We have completed 14826.63 m2 area. Being Construction Area less than 20,000 m2 the Environment Clearance was not applicable. No Work initiated for proposed D building and Amenity building.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Approved Layout Plan vide no. PRH/NASR/65/2013 dated 24/6/2013.
15.Total Plot Area (sq. m.)	13550.0
16.Deductions	2352.98
17.Net Plot area	10077.32
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 12943.94
	b) Non FSI area (sq. m.): 15404.77
	c) Total BUA area (sq. m.): 28348.71
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 8365.75 Sq. m
	Approved Non FSI area (sq. m.): 7105.08 Sq. m
	Date of Approval: 24-06-2013
19.Total ground coverage (m2)	2122.48
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	15.66 %
21.Estimated cost of the project	716000000

22.Number of buildings & its configuration

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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A	P+12	37.05
2	B	LP+UP+12	37.05
3	C	LP+UP+10	31.35
4	D	LP+UP+12	37.35
5	Amenity Building	P+03	14.60
6	Club House	G+01	7.45

23.Number of tenants and shops	195 Tenements + Multipurpose hall
24.Number of expected residents / users	Residential :975, Commercial :283 Total: 1258
25.Tenant density per hectare	150.46
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	18 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	Yes, We had completed construction for Building A,B C & club house. We have completed 14826.63 m2 area.
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

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Dry season:	**Source of water**	Grampanchayat /PMC
	Fresh water (CMD):	89 m3/day
	Recycled water - Flushing (CMD):	33 m3/day
	Recycled water - Gardening (CMD):	6 m3/day
	Swimming pool make up (Cum):	7 m3/day
	Total Water Requirement (CMD) :	135 m3/day
	Fire fighting - Underground water tank(CMD):	250 m3/day
	Fire fighting - Overhead water tank(CMD):	5 FOR A, B & D BUILDING, 25 FOR C BUILDING AS PER FIRE NOC
	Excess treated water	74 m3/day
Wet season:	**Source of water**	Grampanchayat /PMC
	Fresh water (CMD):	89 m3/day
	Recycled water - Flushing (CMD):	33 m3/day
	Recycled water - Gardening (CMD):	0 m3/day
	Swimming pool make up (Cum):	7 m3/day
	Total Water Requirement (CMD) :	129 m3/day
	Fire fighting - Underground water tank(CMD):	250 m3/day
	Fire fighting - Overhead water tank(CMD):	5 FOR A, B & D BUILDING, 25 FOR C BUILDING AS PER FIRE NOC
	Excess treated water	80 m3/day
Details of Swimming pool (If any)	1 No. -Main Pool Size: 8m x 16 m x 1.2 m depth, Area of swimming pool –131 m2	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Fresh water requirement	NA	89	89	NA	9	9	NA	80	80
Domestic	NA	33	33	NA	0	0	NA	33	33
Gardening	NA	6	6	NA	6	6	NA	0	0

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	1.5-4m
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	6 Nos.
	Size of recharge pits :	1.9 m DIA X 2.0 m DEPTH
	Budgetary allocation (Capital cost) :	Rs. 6.00 Lakhs
	Budgetary allocation (O & M cost) :	RS. 0.3 Lakhs/Annum
	Details of UGT tanks if any :	Domestic UG tank Capacity (cum) :180 Flushing UG tank Capacity(cum): 39.2 Fire UG tank Capacity (cum): 250
35.Storm water drainage	**Natural water drainage pattern:**	N to S
	Quantity of storm water:	1154.4 cum/hr.
	Size of SWD:	450 mm dia
Sewage and Waste water	**Sewage generation in KLD:**	119 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	1 No. 150 KLD
	Location & area of the STP:	Near Amenity Building 120 m2
	Budgetary allocation (Capital cost):	Rs. 30.00 Lakhs
	Budgetary allocation (O & M cost):	Rs. 3 Lakhs/Annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	15 kg/day
	Disposal of the construction waste debris:	used for back filling and reused
Waste generation in the operation Phase:	**Dry waste:**	234 kg/day
	Wet waste:	319 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	20 kg/day
	Others if any:	NA

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Mode of Disposal of waste:	**Dry waste:**	Handed over to Authorized Agency
	Wet waste:	treated in Organic waste Converter
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	used as manure after treatment in OWC.
	Others if any:	NA
Area requirement:	**Location(s):**	Near amenity building
	Area for the storage of waste & other material:	54 m2
	Area for machinery:	54 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 4.00 Lakhs
	O & M cost:	Rs. 0.4 Lakhs/Annum

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	1	HSD	2	5	0.075	350 degree C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable
41.Source of Fuel		Authorized Dealer		
42.Mode of Transportation of fuel to site		By Road		

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43.Green Belt Development	**Total RG area :**	1569.78 Sq. m
	No of trees to be cut :	NA
	Number of trees to be planted :	158
	List of proposed native trees :	158
	Timeline for completion of plantation :	1 year

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Manikarazapota	Chikoo	10	Tropical fruit tree & bird attracting tree
2	Micheliachampaca	Champa	20	Evergreen timber plant, ornamental
3	Mimusopeselengi	Bakul	10	Evergreen tree, timber yielding and medicinal plant
4	Ficusbenjamina	Weeping fig	16	Evergreen & bird attracting tree
5	Cassia fistula	Golden shower	15	Drought tolerant, ornamental & medicinal plant
6	Buteamonosperma	Flame tree	12	Used in pesticide & dye preparation
7	Cassia grandis	Pink shower	14	Drought tolerant, ornamental & medicinal plant
8	Saracaindica	Sitaashok	10	Evergreen medicinal plant
9	Roystonearegia	Royal palm	12	Nitrogen fixer, ornamental plant
10	Syzygiumcumini	Jambhul	10	fruit tree & bird attracting
11	Neolamarkiacadamba	Kadamba	15	Tropical fruit tree & bird attracting tree
12	Mangiferaindica	Mango tree	14	Evergreen & bird attracting tree
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	NA	NA	NA

47.Energy

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Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	As per requirement
	DG set as Power back-up during construction phase	60 KW
	During Operation phase (Connected load):	1427 KW
	During Operation phase (Demand load):	657 KW
	Transformer:	630 KVA- 1 NO. & 315 KVA -1 No.
	DG set as Power back-up during operation phase:	160 KVA -2 Nos.
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

1.Energy efficient led lamps which give approx. 30% more light output for the same watts consumed and therefore require less nos. Of fixtures and corresponding lower point wiring costs.
2. All cables will be derated to avoid heating during use. This also indirectly reduces losses and improves reliability. To achieve the same we have considered current carrying capacity of all the cables laid through ground/air whichever is minimum.
3.30Ltrs. solar hot water per flat is considered. Total 51 nos. solar hot water panels are considered.
4.Total 20 nos. solar panels, each 0.35 kwp = Total 7 kwp is proposed.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Saving due to LED lamp	4.14 %
2	Saving Due to Electronic Blast	3.4 %
3	Saving due to Timer	12.69 %
4	Saving due to high efficient AC , lifts,pumps/motors etc	14.26 %
5	Saving due to solar energy 1% of Demand load	0.36 %
6	Total savings	35 %

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
STP-1 No.	STP provided	STP provided
OWC-2 Nos.	1 OWC Provided	1 OWC Proposed
DG set-2 Nos.	DG set-2 Nos. provided	DG set-2 Nos.-Provided

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 20 Lakhs
	O & M cost:	Rs. 2 Lakhs/Annum

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51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air	Water For Dust Suppression , Air & Noise Monitoring	1.56
2	Water	Tanker Water For Construction, water monitoring	2.04
3	Land	Site Sanitation- Mobile toilets	5.44
4	Biological	Gardening Set Up and top soil preservation	1.5
5	Socio- Economic Environment	Disinfection- Pest Control, First Aid Facilities,Health Check Up, Creches For Children, Personal Protective Equipment , CFL Lamp for hutment	3.27

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	1 no STP provided	30.00	3.00
2	Rain Water Harvesting	6 nos. pit provided	6.00	0.30
3	Solid Waste Management	1 no OWC Provide and 1 proposed	4.00	0.40
4	Green Belt Development	RG provided	15.00	0.50
5	Energy	Energy	20.00	2.00
6	Swimming Pool	1 No.	20.00	2.00
7	Environmental Monitoring	Environmental Monitoring	00	16.95

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

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	Nos. of the junction to the main road & design of confluence:	one
Parking details:	**Number and area of basement:**	1 No. 2191.89 m2
	Number and area of podia:	NA
	Total Parking area:	4436.80 Sq. m (3240.0 Sq. m + 816.0 Sq. m+ 380.80 Sq. m)
	Area per car:	Open – 25 m2, Covered – 30 m2
	Area per car:	Open – 25 m2, Covered – 30 m2
	Number of 2-Wheelers as approved by competent authority:	Scooter – 272 Bi-Cycle - 272
	Number of 4-Wheelers as approved by competent authority:	108
	Public Transport:	NA
	Width of all Internal roads (m):	9 m wide
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8a (B2)
	Court cases pending if any	No
	Other Relevant Informations	Work hs been initiated. We had completed construction for Building A,B C & club house. We have completed 14826.63 m2 area. Being Construction Area less than 20,000 m2 the Environment Clearance was not applicable. No Work initiated for proposed D building and Amenity building.
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	Satisfactory.
Water Budget	Satisfactory.

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Waste Water Treatment	Satisfactory.
Drainage pattern of the project	Satisfactory.
Ground water parameters	Satisfactory.
Solid Waste Management	Satisfactory.
Air Quality & Noise Level issues	Satisfactory.
Energy Management	Satisfactory.
Traffic circulation system and risk assessment	Satisfactory.
Landscape Plan	Satisfactory.
Disaster management system and risk assessment	Satisfactory.
Socioeconomic impact assessment	Satisfactory.
Environmental Management Plan	Satisfactory.
Any other issues related to environmental sustainability	Satisfactory.

Brief information of the project by SEAC

PP submitted their application for prior Environmental clearance for total plot area of 13550 m2, FSI area of 12943.94 m2, Non FSI area of 15404.77 m2 and total BUA of 28348.71m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B2.

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DECISION OF SEAC

The PP has satisfactorily complied with the points raised in 67th SEAC-3 meeting.

*SEAC decided to **recommend** the proposal for prior environmental Clearance.*

Specific Conditions by SEAC:

1) -

FINAL RECOMMENDATION

SEAC-III have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions

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SEAC Meeting number: 88 **Meeting Date** May 31, 2019

Subject: Environment Clearance for Building Construction Project

Is a Violation Case: Yes

1.Name of Project	50 Greens & 108 Green Heights
2.Type of institution	Private
3.Name of Project Proponent	Mr. Bhaven Bhaskarbhai Amen
4.Name of Consultant	Mr. Rajesh Shrivastava
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	Not applicable
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Gat No. 41, Beed Bypass, Aurangabad
9.Taluka	Aurangabad
10.Village	Satara
Correspondence Name:	Mr. Bhaven Bhaskarbhai Amen
Room Number:	-
Floor:	-
Building Name:	Ruchika Arcade
Road/Street Name:	Opp Khadkeshwar Mandir
Locality:	Khadekashwar
City:	Aurangabad
11.Area of the project	Corporation Area
12.IOD/IOA/Concession/Plan Approval Number	Aurangabad Municipal Corporation
	IOD/IOA/Concession/Plan Approval Number: 993/2010-2011
	Approved Built-up Area: 45995.26
13.Note on the initiated work (If applicable)	Construction Initiated for Buildings & Bunglows as per sanction plan. Notice u/s -5 of EIA Notification 2006 issued.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	31713 Sqm
16.Deductions	Nil
17.Net Plot area	31713 Sqm
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 29882.20
	b) Non FSI area (sq. m.): 18142
	c) Total BUA area (sq. m.): 48024.20
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 29882.20
	Approved Non FSI area (sq. m.): 17894.60
	Date of Approval: 16-12-2010
19.Total ground coverage (m2)	9095
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	28.68 %
21.Estimated cost of the project	491700000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)

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1	Building 1	P+7	27
2	Building 2	P+7	27
3	Building 3	P+7	27
4	Building 4	P+7	27
5	Bunglows (50)	G+1	7
6	Club House	B+G+1	6.75

23.Number of tenants and shops	No. of Tenements- 158 No. of Shops- 0
24.Number of expected residents / users	Residential Users- 790 Nos Commercial Users- 0 Nos
25.Tenant density per hectare	50 Tenement / hector
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	18 M wide
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 M
29.Existing structure (s) if any	Yes
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

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Dry season:	**Source of water**	Aurangabad Municipal Corporation
	Fresh water (CMD):	76.68
	Recycled water - Flushing (CMD):	35.55
	Recycled water - Gardening (CMD):	19.05
	Swimming pool make up (Cum):	5.58
	Total Water Requirement (CMD) :	131.28
	Fire fighting - Underground water tank(CMD):	100
	Fire fighting - Overhead water tank(CMD):	-
	Excess treated water	63.21
Wet season:	**Source of water**	Aurangabad Municipal Corporation
	Fresh water (CMD):	76.68
	Recycled water - Flushing (CMD):	35.55
	Recycled water - Gardening (CMD):	0.0
	Swimming pool make up (Cum):	5.58
	Total Water Requirement (CMD) :	112.23
	Fire fighting - Underground water tank(CMD):	100
	Fire fighting - Overhead water tank(CMD):	-
	Excess treated water	82.26
Details of Swimming pool (If any)	Swimming pool = 15m x 6.2m x 1.2m	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	13M
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	Collected in raw water tank
	Quantity of recharge pits:	6 Nos
	Size of recharge pits :	2m x 2m x 3m
	Budgetary allocation (Capital cost) :	Rs. 3.90 Lacs
	Budgetary allocation (O & M cost) :	Rs. 0.16 Lac/Annum
	Details of UGT tanks if any :	Domestic UG Tank Capacity = 107 Cum Flushing UG Tank Capacity = 28 Cum Fire UG Tank Capacity = 100 Cum
35.Storm water drainage	**Natural water drainage pattern:**	North to south
	Quantity of storm water:	15856.5 Cum
	Size of SWD:	450 mm to 600 mm
Sewage and Waste water	**Sewage generation in KLD:**	112.23 Cum
	STP technology:	MBBR
	Capacity of STP (CMD):	1 No. of 120 KLD
	Location & area of the STP:	Shown on plan
	Budgetary allocation (Capital cost):	Rs.16 Lacs
	Budgetary allocation (O & M cost):	Rs.1.76 Lacs/ Annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	2.5 Kg/day
	Disposal of the construction waste debris:	Handed over to authorized agency
Waste generation in the operation Phase:	**Dry waste:**	Rs. 158 Kg/day
	Wet waste:	Rs. 247.52 kg/day
	Hazardous waste:	Nil
	Biomedical waste (If applicable):	Nil
	STP Sludge (Dry sludge):	10.62
	Others if any:	Na

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Mode of Disposal of waste:	**Dry waste:**	Handed over to authorized agency
	Wet waste:	In-situ composting
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	In- situ Composting
	Others if any:	NA
Area requirement:	**Location(s):**	Shown on Plan
	Area for the storage of waste & other material:	28 Sqm
	Area for machinery:	Considered in above area.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 5.22 Lacs
	O & M cost:	Rs. 1 Lacs / Annum

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable
41.Source of Fuel		Not applicable		
42.Mode of Transportation of fuel to site		Not applicable		

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43.Green Belt Development	**Total RG area :**	3175 Sqm
	No of trees to be cut :	Nil
	Number of trees to be planted :	190 Nos
	List of proposed native trees :	Listed below
	Timeline for completion of plantation :	Before completion of the project

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Nyctanthes arbor-tristis	Parijatak	18	This Small tree has highly fragrant flowers those attract Bees and Butterflies, Fruits attract Birds.
2	Ochna obtusata	Kanak Champa	18	Native, this shrub has yellow fragrant flowers, Host plant for Butterflies.
3	Murraya paniculatum	Kamini/Kunti	18	Native to Western Ghats, this shrub has fragrant white flowers and dense foliage. It is a host plant for Butterflies.
4	Manilkara zapota	Chickoo	16	This small tree attracts Birds and Bees. Edible Fruit.
5	Citrus limon	Lemon	18	This Shrub is used in everyday Cooking and acts as a host plant for Butterflies.
6	Bauhinia racemosa	Apta	18	This Shrub is used in everyday Cooking and acts as a host plant for Butterflies.
7	Mimusops elengi	Bakul	18	Native, Evergreen Foliage and Flowering tree has dense branching, hence good for Wind screening. Flowers are deeply fragrant and attracts birds and Bees.
8	Pongamia pinnata	Karanj	18	Native to Pune, this Deciduous White Flowering tree . Attracts Birds and Arboreal Mammals.
9	Lagerstroemia reginae	Tamhan	18	This Purple Flowering plant is the State flower of Maharashtra.
10	Cassia fistula	Bahava	16	This Flowering and Deciduous tree has beautiful Yellow chandeliers in Summers. Good perching site for Birds.
11	Erythrina variegata	Pangara	14	This Flowering and Deciduous tree has beautiful Yellow chandeliers in Summers. Good perching site for Birds.
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

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Serial Number	Name	C/C Distance	Area m2
1	NA	NA	NA

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	60 KW
	DG set as Power back-up during construction phase	30KVA
	During Operation phase (Connected load):	2327.02 KW
	During Operation phase (Demand load):	981.18 KVA
	Transformer:	630 KVA- 2 Nos
	DG set as Power back-up during operation phase:	125 KVA- 1 No.
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Common area lighting such as parking, stairways, passages etc shall be provided with LED bulbs
• LED for entire Drive way and internal roads and pathways
• Solar Water heating system shall be provided for entire scheme as per norms
• Energy efficient pumps.
• Timer for Staircase lighting, Lift Lobby, Parking area and street lights.
• Energy saving devices for passenger lifts.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar water heater, Solar street light & PV Generation	18 %

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.36.90 Lacs
	O & M cost:	Rs.0.75 Lacs/Annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)

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1	Water for construction & Labour	Water Requirement	1.60
2	Site Sanitation & Safety	Health & Safety	1.60
3	Environmental Monitoring	Pollution Monitoring & control	1.80
4	Disinfection	Health & Safety	0.50
5	Health Check up	Health & Safety	0.50

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Rain Water Harvesting	RWH Pits	3.90	0.16
2	Sewage Treatment Plant	Waste water treatment	16.00	1.76
3	Organic Waste Composting	Solid waste management	5.22	1
4	Tree Plantation	Landscape development	15.00	1.15
5	Energy saving	Energy conservation	36.90	0.75
6	Environment Monitoring	Pollution control	0.00	1.80

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1 Nos

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Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	9985.6
	Area per car:	12.5 Sqm
	Area per car:	12.5 Sqm
	Number of 2-Wheelers as approved by competent authority:	316 nos
	Number of 4-Wheelers as approved by competent authority:	316 Nos
	Public Transport:	NA
	Width of all Internal roads (m):	9 M
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8(a)
	Court cases pending if any	No
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

PP remained **absent**. The proposal was **deferred.**

DECISION OF SEAC

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PP remained **absent**. The proposal was **deferred.**

Specific Conditions by SEAC:

FINAL RECOMMENDATION

Kindly find SEIAA decision above.

SEAC-AGENDA-000000273

88 SEAC-3 Day 04

SEAC Meeting number: 88 **Meeting Date** May 31, 2019

Subject: Environment Clearance for proposed "Hill Station" at Villages- Mulshi (Khurd), Warak, Vegre & Lawarde; Taluka- Mulshi; District-Pune; State – Maharashtra by Aqualand (India) Ltd.

Is a Violation Case: No

1.Name of Project	Aqualand (India) Ltd
2.Type of institution	Private
3.Name of Project Proponent	Mr. R. P. Tyagi, Aqualand (India) Ltd
4.Name of Consultant	Dr. D. A. Patil, Mahabal Enviro Engg. Pvt. Ltd.
5.Type of project	"Hill Station" accordance with the "Special Regulations for Development of Townships in Hill Stations" issued by Urban Development Department under Govt. of Maharashtra [No. TPS 1896/1213/CR- 123/96/UD-13, dtd. 26th Nov. 1996]
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Proposed project is located at Villages- Mulshi (Khurd), Warak, Vegre & Lawarde; Taluka- Mulshi; District-Pune; State – Maharashtra. (Detailed Sr. Nos. are given in Point No. 54 (v))
9.Taluka	Mulshi
10.Village	Mulshi (Khurd), Warak, Vegre & Lawarde
Correspondence Name:	Mr. R. P. Tyagi
Room Number:	Top Floor
Floor:	Top Floor
Building Name:	Times Tower
Road/Street Name:	Kamla City, Senapati Bapat Road
Locality:	Lower Parel (West)
City:	Mumbai
11.Area of the project	From Rural area & within jurisdiction of Pune Metropolitan Regional Development Authority (PMRDA)
12.IOD/IOA/Concession/Plan Approval Number	Letter of Intent from Urban Development department, GoM vide No. TPS 1897/517/UD-13 dated 28/3/2003 declaring villages Vegre and Lawarde as suitable for development of hill station. Notifications bearing number (i) Notification No. TPS 1897/517/UD-13 dated 18/1/2003 declaring entire area from villages Vegre and Lawarde as suitable for hill station development , (ii) Notification No TPS 1814/51/CR -64/2014/UD-13 dated 13th May 2016 declaring entire area from Village Mulshi (Khu.) & Warak for
	IOD/IOA/Concession/Plan Approval Number: (i) 63IA(ii)/DI/Land/Permission/353/2006/B24354 dated 27/9/2007 allowing Aqualand to purchase 1633.43 Ha and 384.16 Ha, totaling 2017.59 Ha of land respectively from villages Vegre and Lawarde. & 220 Ha as per order No DI/Permission /53/94/D-6633. (ii) 63IA(ii)/DI/Land/Permission/421(07)/2008/B-37588 dated 30/9/2008 allowing Aqualand to purchase 331.942 Ha and 527.359 Ha of land respectively from villages Mulshi Khurd and Warak.
	Approved Built-up Area: 3044977
13.Note on the initiated work (If applicable)	No work started
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	3,09,58,402.50 m2
16.Deductions	27,07,342.65 m2
17.Net Plot area	2,82,51,059.85 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 45,59,807 m2
	b) Non FSI area (sq. m.): 33,46,989 m2
	c) Total BUA area (sq. m.): 7906796

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18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 17,56,022 m2
	Approved Non FSI area (sq. m.): 12,88,955 m2
	Date of Approval: 09-12-2015
19.Total ground coverage (m2)	1891268 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	6.7
21.Estimated cost of the project	3000000000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Residential (6,093 Bldgs.)	G + 1, G + 2	9
2	Commercial (32 Bldgs.)	Ground+2	12
3	Educational (17 Bldgs.)	Ground+2	12
4	Health Care (11Bldgs.)	Ground+2	12
5	Cultural (25 Bldgs.)	Ground+2	12
6	Hotels (Below 3 Star) (18 Bldgs.)	Ground+3	12
7	Hotels (Above 3 Star) (8 Bldgs.)	Ground+4	16
8	Recreational (29 Bldgs.)	Ground	6
9	Service Quarter (565 Bldgs.)	Stilt+4	16
10	Amenity (18 Bldgs.)	-	-

23.Number of tenants and shops	Residential & staff Quarters Tenants: 22,625 Nos. No of Shops/Commercial Buildings : 32 Nos
24.Number of expected residents / users	30,5278 Nos.
25.Tenant density per hectare	108/hectare
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	9 m wide
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Minimum 9 m
29.Existing structure (s) if any	None
30.Details of the demolition with disposal (If applicable)	Not Applicable

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)

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1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

Dry season:	**Source of water**	Water From Temghar Dam /Ground Water
	Fresh water (CMD):	26 MLD
	Recycled water - Flushing (CMD):	11 MLD
	Recycled water - Gardening (CMD):	10 MLD
	Swimming pool make up (Cum):	Nil
	Total Water Requirement (CMD) :	37 MLD
	Fire fighting - Underground water tank(CMD):	2000 KL
	Fire fighting - Overhead water tank(CMD):	-
	Excess treated water	Nil
Wet season:	**Source of water**	RWH (Incremental Runoff) + Ground Water + Temghar
	Fresh water (CMD):	26 MLD
	Recycled water - Flushing (CMD):	11 MLD
	Recycled water - Gardening (CMD):	Nil
	Swimming pool make up (Cum):	Nil
	Total Water Requirement (CMD) :	37
	Fire fighting - Underground water tank(CMD):	2000 KL
	Fire fighting - Overhead water tank(CMD):	-
	Excess treated water	10 MLD to Artificial Reservoir
Details of Swimming pool (If any)	Nil	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	25 m - 30 m 1st aquifer lvl
	Size and no of RWH tank(s) and Quantity:	(i) RWH Pond 1- Area: 65527, Quantity: 1933039 m3. (ii) Dyke 2- Area: 207415, Quantity: 4459423 m3. (iii) Dyke 3-Area: 30300, Quantity: 560550 m3. (iv) Dyke 4-Area: 29500, Quantity: 309750 m3.
	Location of the RWH tank(s):	Ground
	Quantity of recharge pits:	Nil
	Size of recharge pits :	Nil
	Budgetary allocation (Capital cost) :	Rs. 81.5 Cr
	Budgetary allocation (O & M cost) :	Rs. 40.8 Cr
	Details of UGT tanks if any :	Location: Underground
35.Storm water drainage	**Natural water drainage pattern:**	The land is undulating and Natural drain will be retain for SWD.
	Quantity of storm water:	46.08 MLD
	Size of SWD:	Natural drain will be retain for SWD & Storm water drain along road are of sizes 0.75 m X 0.75 m, 0.90 m x 0.75 m, 0.9 m x 0.9 m, 1.2 m x 0.9 m, along with cross drain, culverts etc & other detail design for building is as per NBC2016 norms.
Sewage and Waste water	**Sewage generation in KLD:**	31.86 MLD
	STP technology:	MBBR technology
	Capacity of STP (CMD):	10 STP's of total 33.82 MLD capacity (STP 1: 3.6 MLD, STP 2: 0.76 MLD, STP 3: 3 MLD, STP 4: 7.2 MLD, STP 5: 1.1 MLD, STP 6: 4.6 MLD, STP 7: 4 MLD, STP 8: 8 MLD, STP 9: 1.12 MLD & STP 10: 0.44 MLD)
	Location & area of the STP:	On Ground with total area 18,067 m2 (STP 1: 1,120 m2, STP 2: 945 m2, STP 3: 960 m2, STP 4: 5796 m2, STP 5: 1,764 m2, STP 6: 1,296 m2, STP 7: 1,168 m2, STP 8: 2,624 m2, STP 9: 1,764 m2 & STP 10: 630 m2)
	Budgetary allocation (Capital cost):	Rs.18.8 Cr
	Budgetary allocation (O & M cost):	Rs. 0.9 Cr
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction debris: 2.4 tonne/day & Quantity of top soil to be preserved: 4,77,017 m3
	Disposal of the construction waste debris:	Inert Land fill / Land Leveling
Waste generation in the operation Phase:	**Dry waste:**	72,259 kg/day
	Wet waste:	57,900 kg/day
	Hazardous waste:	Used/waste Oil
	Biomedical waste (If applicable):	206 kg/day
	STP Sludge (Dry sludge):	356 kg/day
	Others if any:	Plastic waste: 1,000 kg/day & E waste: 1,300 kg/day

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Mode of Disposal of waste:	**Dry waste:**	Dry waste will be handed over to authorized vendor
	Wet waste:	Wet waste will be composted by using NISARGRUNA BIOGAS PLANT
	Hazardous waste:	Hazardous waste will be segregated from the collected municipal solid waste and stored at respective sub-phase drop down centre. For waste oil a separate HDPE barrel will be kept at drop down point and timely sent to Authorized Agency Hazardous waste will be handed over to the "Swach Cooperative"– MPCB Authorized Agency
	Biomedical waste (If applicable):	Biomedical Waste will be handle, store, transport and disposed by "Life Secure" MPCB Authorized Agency as per the Biomedical (Management and Handling) Rules, 2016.
	STP Sludge (Dry sludge):	On Site Composting / Green Zone Development
	Others if any:	Plastic Waste Compactor Unit will be provided for plastic waste. Compacted plastic then will be handed over to the Swach Cooperative MPCB Authorized agency. E-waste will be segregated from the collected municipal solid waste and stored at respective sub-phase E-waste drop down centre. E waste will be handed over to the "Swach Cooperative" – MPCB Authorized Agency
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	Landfill area provided: 46,500 m2
	Area for machinery:	Biogas Plant capacity: 66 MT & area provided 5900 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 19.34 Cr
	O & M cost:	Rs. 2.58 Cr/year

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable
41.Source of Fuel		Not applicable		
42.Mode of Transportation of fuel to site		Not applicable		

43.Green Belt Development	**Total RG area :**	17, 37,473 Sq. m.
	No of trees to be cut :	81,755 Nos.
	Number of trees to be planted :	11, 39,870 Nos.
	List of proposed native trees :	As below
	Timeline for completion of plantation :	6-7 years

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Actinodaphne hookerii	Pisa	15,000	Evergreen tree, has medicinal properties
2	Aegle marmelos	Bel	25,000	Evergreen tree, has medicinal properties
3	Albizia procera	Kinhai	15,000	medium-sized shady tree
4	Artocarpus heterophyllus	Jackfruit	42,000	Fruit tree attracting birds
5	Azadirachta indica	Neem	55,000	Hardy evergreen tree, has medicinal properties
6	Bauhinia variegata	Camels Foot Tree	22,000	It is a small to medium-sized tree and popular ornamental tree.
7	Bombax ceiba	Katesawar	13,000	It is widely planted in parks and on roadsides there because of its beautiful red flowers which bloom in March/April.
8	Bridelia retusa	Asana	16,000	Hardy evergreen tree, has medicinal properties
9	Butea monosperma	Palas	50,000	Hardy evergreen tree, has medicinal properties
10	Careya arborea	Kumbha	18,000	Hardy evergreen tree, has medicinal properties
11	Caryota urens	Bherali Mad	12,000	Caryota urens is cultivated as an ornamental tree, and planted in gardensand parks in tropical and sub-tropical climates. It is also used as an interior and houseplant when smaller.
12	Cassia fistula	Bahava/Amlatas	27,000	The golden shower tree is a medium-sized tree , ornamental plant

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13	Catunaregam spinosa	Gela	11,000	Catunaregam spinosa is a spiny, deciduous shrub or small tree. The rind and fruit have useful emetic, diaphoretic and antispasmodic properties
14	Cordia dichotoma	Bhokar	55,000	The immature fruits are pickled and are also used as a vegetable fodder.
15	Dalbergia latifolia	Shisam	45,000	Sheesham is usually dried before being used in furniture manufacturing, a process commonly known as seasoning
16	Dalbergia sissoo	Shisoo	35,000	The bark is used in traditional medicine in India, to treat diarrhoea, indigestion and leprosy, and as a vermifuge
17	Dendrocalamus strictus	Bamboo	25,000	The stems are used for a wide range of purposes - scaffolding, bridges, poles, agricultural implements and other large bamboo implements
18	Emblica officinalis	Awala	20,000	Hardy evergreen tree, has medicinal properties
19	Erythrina indica	Pangara/Coral Tree	17,000	Medium sized deciduous tree. Bright scarlet flowers.
20	Erythrina stricta	Pangara	12,000	Medium sized deciduous tree. Bright scarlet flowers.
21	Ficus amplissima	Pipar	51,000	shady tree
22	Ficus arnottiana	Payar	20,000	shady tree
23	Ficus benghalensis	Banyan	50,000	shady tree
24	Ficus racemosa	Umbar	40,000	Hardy evergreen tree, has medicinal properties
25	Ficus religiosa	Pipal	65,000	shady tree
26	Firmiana colorata	Kaushi	12,000	medium-sized shady tree
27	Gmelina arborea	Shivan	13,000	medium-sized shady tree
28	Grewia tiliifolia	Dhaman	15,000	shady tree
29	Heterophragma quadriloculare	Waras	17,000	Medium sized deciduous tree, Beautiful white flowers and Butterfly host plant
30	Lagerstroemia microcarpa	Nana	12,000	Medium sized deciduous tree, Beautiful white flowers and Butterfly host plant
31	Macaranga peltata	Chandava	20,000	large shady tree
32	Madhuca latifolia	Mahua	12,000	Hardy evergreen tree, has medicinal properties
33	Mangifera indica	Mango	70,000	Fruit tree attracting birds
34	Memecylon umbellatum	Anjani	9,000	Medium sized deciduous tree, Beautiful blue flowers and Butterfly host plant
35	Mesua ferrea	Nag Chafa	40,000	medium-sized shady tree
36	Mimosops elengi	Bakul	20,000	Hardy evergreen tree, has medicinal properties

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37	Neolamarckia cadamba	Kadamb	15,000	Deciduous tree, large foliage & beautiful tree
38	Pongamia pinnata	Karanj	12,000	Shady tree
39	Sapindus laurifolius	Ritha	19,000	Hardy evergreen tree, has medicinal properties
40	Schleichera oleosa	Kusumb	15,000	Hardy evergreen tree, has medicinal properties
41	Terminalia arjuna	Arjun	15,000	Hardy evergreen tree, has medicinal properties
42	Terminalia bellirica	Beheda	8,000	Hardy evergreen tree, has medicinal properties
43	Terminalia chebula	Hirda	9,000	Hardy evergreen tree, has medicinal properties
44	Terminalia paniculata	Kimjal	9,000	shady tree
45	Trema orientalis	Kharal	11,000	shady tree
46	Wrightia tinctoria	Kala Kuda	18,000	shady tree
47	Wrightia tinctoria	Kala Kuda	18,000	shady tree
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	-	-	-

47.Energy

Power requirement:	**Source of power supply :**	The TATA power company Ltd.
	During Construction Phase: (Demand Load)	6 MVA
	DG set as Power back-up during construction phase	6 MVA
	During Operation phase (Connected load):	400 MVA
	During Operation phase (Demand load):	264 MVA
	Transformer:	15 x 25 MVA
	DG set as Power back-up during operation phase:	64 x 1000 kVA, 7 x 750 kVA, 15 x 630 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	HT line is passing along surrounding major road & not through plot.

48.Energy saving by non-conventional method:

Solar pV panels of 11.15 MVA capacity
Solar water heater system for Residential Bldgs, Hotels etc.

49.Detail calculations & % of saving:

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Serial Number	Energy Conservation Measures	Saving %
1	Total Energy saving	20%

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 50 Cr
	O & M cost:	Rs. 2.5 Cr/year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Debris/Top Soil management	-	250
2	Toilets for labour + drinking water + first aid arrangement	-	195
3	Environmental monitoring	-	180

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	Continuous O & M	1880	90
2	Rain Water Harvesting	During rainy season (Cleaning)	8150	820
3	Solid waste Management	Continuous O & M	3024	406
4	Bio Medical Waste Management	Continuous O & M	350	106
5	Landscape	Daily	6120	600
6	Energy Saving Features + Solar Panels	Weekly	5000	250

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

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53.Traffic Management		
	Nos. of the junction to the main road & design of confluence:	2 Nos.
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	Area of podium: 7,13,883 m2
	Total Parking area:	6,39,889 m2
	Area per car:	12.5
	Area per car:	12.5
	Number of 2-Wheelers as approved by competent authority:	55,865 Nos.
	Number of 4-Wheelers as approved by competent authority:	38,470 Nos.
	Public Transport:	Eco-Friendly, CNG based vehicles are encouraged in the project area.
	Width of all Internal roads (m):	9 m

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-
Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-

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Environmental Management Plan	--
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

PP submitted their application for prior Environmental clearance for “Hill Station” accordance with the “Special Regulations for Development of Townships in Hill Stations” issued by Urban Development Department under Govt. of Maharashtra [No. TPS 1896/ 1213/ CR- 123/96/UD-13, dtd. 26th Nov. 1996] for total plot area of 3,09,58,402.50 m2, FSI area of 45,59,807 m2, Non FSI area of 33,46,989 m2 and total BUA of 7906796 m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(b)B1.

DECISION OF SEAC

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During discussion following points emerged:

1. In CER, PP has proposed to spend Rs. 4.67 Cr during period from 2020 to 2027. PP to submit CER in prescribed format. PP to incorporate activities like provision of electric crematorium to nearby villages, solar energy to ZP schools etc.

2. PP to revise disaster management plan by incorporating lightening arresters and budget for disaster management plan.

3. PP to update traffic impact assessment study report incorporating 2019 year data. PP to add details on the assumptions made for traffic growth. PP to submit plan for junctions, roads etc. with scaled diagram.

4. PP to submit fire tender movement and parking plan.

5. PP to submit details of bio medical waste management.

6. PP to submit detailed energy saving calculations.

PP requested for time to submit the information sought; after deliberations committee asked PP to ***comply with*** *the observations and submit information to the committee for further discussion and consideration of SEAC. It was also decided that in next meeting, PP will present on chapters viz.. Noise, Environmental Management Plan and CER.*

???????

Specific Conditions by SEAC:

FINAL RECOMMENDATION

SEAC-III decided to defer the proposal.Kindly find SEAC decision above.

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88 SEAC-3 Day 04

SEAC Meeting number: 88 **Meeting Date** May 31, 2019

Subject: Environment Clearance for "Affordable Housing in Partnership-Madhuvan 1" located at Survey No. 78 Mohmadwadi, Tal- Haveli, Dist- Pune, State-Maharashtra

Is a Violation Case: No

1.Name of Project	MADHUVAN 1
2.Type of institution	Private
3.Name of Project Proponent	M/s. Magarpatta City Development Company Pvt. Ltd. & Sable Construction Company
4.Name of Consultant	NABET Accredited Environmental Consultant : Ecofootforward Environmental Consultancy & Engineers Pvt. Ltd., D/318, Neelkanth Business Park, Ramdev Nagar, Vidyavihar (W), Mumbai-400086 www.ecofootforward.com Tel: 022-25144129, NABET Certificate no: NABET/EIA/1720/IA0028
5.Type of project	Building Construction 8 (a)
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	S. No. 78, Mohmadwadi, Pune
9.Taluka	Haveli
10.Village	Mohmadwadi
Correspondence Name:	Mr. Gangadhar M. Walse
Room Number:	13
Floor:	-
Building Name:	Magaspace
Road/Street Name:	Solapur Bazar Road
Locality:	Off East Street
City:	Pune - 411001
11.Area of the project	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 33078.56
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	23800 sq. m.
16.Deductions	10563.27 sq. m.
17.Net Plot area	13236.73 sq. m.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 33078.56
	b) Non FSI area (sq. m.): 10829.66
	c) Total BUA area (sq. m.): 43908.22
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** NA
	Approved Non FSI area (sq. m.): NA
	Date of Approval: 01-01-1900
19.Total ground coverage (m2)	2565.30
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	19.38
21.Estimated cost of the project	896400000

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22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building A to E, Number of Buildings-5	Stilt Parking +14	43.95
2	Building F, Number of Building-1	Stilt Parking +12	38.15

23.Number of tenants and shops	Tenants: 973
24.Number of expected residents / users	4865
25.Tenant density per hectare	2044
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	30 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	7.5 m
29.Existing structure (s) if any	NA
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

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Dry season:	**Source of water**	Pune Municipal Corporation (PMC)
	Fresh water (CMD):	437.85
	Recycled water - Flushing (CMD):	218.93
	Recycled water - Gardening (CMD):	9.30
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	666.12
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	120 (20 CMD x 6 bldgs)
	Excess treated water	333.27 CMD
Wet season:	**Source of water**	Pune Municipal Corporation (PMC)
	Fresh water (CMD):	437.85
	Recycled water - Flushing (CMD):	218.93
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	656.78
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	120 (20 CMD x 6 bldgs)
	Excess treated water	342.62 CMD
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	Not applicable	656.78	656.78	Not applicable	65.68	65.68	Not applicable	591.10	591.10

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	About 12-15 meter
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	6
	Size of recharge pits :	2.75m X 1m X 1.5m
	Budgetary allocation (Capital cost) :	2.40 lakh
	Budgetary allocation (O & M cost) :	0.36 lakh/year
	Details of UGT tanks if any :	NA
35.Storm water drainage	**Natural water drainage pattern:**	West to East
	Quantity of storm water:	0.14 m3/sec
	Size of SWD:	200 mm to 450 mm dia RCC Hume pipes
Sewage and Waste water	**Sewage generation in KLD:**	591.10
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	Number of STP - 1, Capacity of STP - 620 KLD
	Location & area of the STP:	Location: Near Building C at the corner of Amenity Space Area : 328 sq.m
	Budgetary allocation (Capital cost):	118 lakh
	Budgetary allocation (O & M cost):	39 lakh/year

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Concrete Waste: 213 cum
	Disposal of the construction waste debris:	Will be reused for ground filling and leveling at construction site
Waste generation in the operation Phase:	**Dry waste:**	973 kg/day
	Wet waste:	1460 kg/day
	Hazardous waste:	As per generation
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	59 kg/day
	Others if any:	NA

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Mode of Disposal of waste:	**Dry waste:**	Authorized MPCB recycler
	Wet waste:	Organic Waste Converter (OWC)
	Hazardous waste:	Authorized service provider
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as manure in landscaping
	Others if any:	NA
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	15 m2
	Area for machinery:	2 m × 1.5 m × 1.5 m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	15 lakh
	O & M cost:	1.5 lakh/year

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	DG Waste oil	Schedule IV, Item No. 20	Litres/ 500 hr	Not applicable	17	17	Used Oil will be handled by authorized service provider

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	1 × 160 kVA	HSD - 37 Litres/hr	1	13	0.1	350

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	NA	37 Litres/hr	37 Litres/hr
41.Source of Fuel		Local supplier		
42.Mode of Transportation of fuel to site		Local supplier		

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43.Green Belt Development	**Total RG area :**	1557.28 m2
	No of trees to be cut :	0
	Number of trees to be planted :	177
	List of proposed native trees :	177
	Timeline for completion of plantation :	Till the completion of project

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Calophyllum inophyllum	Undi	3	Good foliage. Beautiful flowers, attract honeybees.
2	Ficus microcarpa	Nandruk	3	Good for shade. It is larval host for butterflies. Attracts birds while fruiting.
3	Ficus religiosa	Pimpal	1	Fast growing, good for shade. It is larval host for butterflies. Attracts lot of birds while fruiting.
4	Albizia lebbeck	Shirish	1	Very good for shade, suitable for roadside plantation. Beautiful yellowish pods.
5	Schleichera oleosa	Kusum	3	Beautiful tree with large shady crown. Young foliage is conspicuous with reddish leaves. It is larval host for butterflies Centaur oakblue, common hedge blue, monkey puzzle
6	Albizia procera	Albizia procera	3	Fast growing native tree. Fragrant flowers
7	Gmelina arborea	Gamhar/ Shivan	3	Good for plantation for restoration. Beautiful yellow flowers.
8	Heterophragma quadriloculare	Waras	3	Tree looks beautiful with bunches of white flowers.
9	Lagerstroemia thorelli & speciosa	Tamhan	5	Flowering tree with beautiful violet flowers, Butterfly larval host plant.
10	Melia dubia	Limbara	2	Tall straight growing tree, fresh foliage in summer
11	Michelia champaca	Son Chapha/ champa	12	Fragrant yellow flowers. Fast growing tree. Sunbirds frequently visit the tree.
12	Mitragyna parvifolia	Kalam	7	It is larval host for butterfly commander. Good shady tree.
13	Pongamia pinnata	Honge Tree, Pongam Tree	7	Shady tree with beautiful pink flowers. Seeds are used in biofuel. Important riparian tree.
14	Pterospermum acerifolium	Muchkund	3	Fragrant large flowers, sunbirds frequently seen. Beuatidul foliage.
15	Terminalia arjuna	Arjun Tree	7	Medicinal tree with whitish bark. Important riparian tree. Good foliage and flowers.

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16	Mimusops elengi	Bakul	7	Evergreen tree with beautiful fragrant flowers. Good for shade.
17	Saraca asoca	Sita Ashok	7	Good shady tree with attractive red-yellow flowers. Medicinal tree. It is larval host for butterfly like common cerulean.
18	Holarrhena antidysenterica	Pandhara kuda	18	Shrub with beautiful white fragrant flowers. Medicinal.
19	Woodfordia fruticosa	Dhayati	18	Shrub with beautiful red flowers. Flower attracts many birds (Sunbirds, flowerpeckers). Medicinal.
20	Wrightia tinctoria	Kala kuda	18	Fragrant white flowers. Medicinal tree.
21	Anogeisus latifolia	Dhawda	2	Huge tree with whitish bark. Attracts insects while flowering. Planted for restoration.
22	Azadirachta indica	Neem Tree	2	Fast growing, medicinal tree. Religiously important tree.
23	Baringtonia acutangula	Indian oak	2	Good foliage, beautiful red hanging flowers. Planted for shade and beautification.
24	Bauhinia purpurea	Kanchan	2	Fast growing tree with beautiful pink-purple flowers. Bird and butterfly attractant.
25	Bombax ceiba	Indian silk cotton tree	2	Tree with Good foliage and beautiful red flowers. Flowers are full with nectar which attracts many species of birds.
26	Butea monosperma	Palas	2	Beautiful scarlet flowers, attract many birds. Used in afforestation of saline and waterlogged regions.
27	Cassia fistula	Golden Shower/ Amaltas	5	Fast growing tree. Beautiful yellow hanging flowers. Larval host for butterflies like common emigrant, etc. Fruits are medicinal.
28	Crataeva adansonii	-	2	Tree with good shady foliage and beautiful flowers. It is larval host for butterfly great orange tip, chocolate albatross.
29	Dalbergia sissoo	Sisoo	5	Fast growing tree. Larval host for butterfly Black Rajah.
30	Dillenia indica	Mota karmal	2	Showy big leaves. Fruits are sour,food value
31	Erythrina stricta	Pangara	2	Fast growing. Beautiful red flowers. Attracts lot of birds during flowering
32	Ficus bengalensis	Wad	1	Larval host for butterflies like common Indian crow. Fruiting trees attract lot of birds. Ecologically important tree species. Medicinal.
33	Holoptelea integrifolia	Indian Elm	2	Good shade tree for summer. Pods are edible.

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34	Putranjiva roxburghii	Putranjiva, Lucky Bean Tree	10	Fast growing tree with drooping branches. Medicinal. Provides roosting place foe birds like sparrows.
35	Thespesia populnea	Indian Tulip Tree/ Bhendi	5	Fast growing, beautiful yellow-brown flowers. It is larval host for butterfly chestnut streaked sailer.
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	NA	NA	NA

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	50 kW
	DG set as Power back-up during construction phase	50 kW
	During Operation phase (Connected load):	2185 kW
	During Operation phase (Demand load):	1,660 kW
	Transformer:	3 × 630 kVA
	DG set as Power back-up during operation phase:	1 × 160 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Energy Saving:
1. Internal Lighting: 216 kW
2. Water Heating: 34 kW
3. Common Area Lighting: 12 kW
4. External / Landscape Area Lighting: 136 kW
5. Parking (Basement + Stilt) Area Lighting: 34 kW
6. Plumbing, Fire, Equipment & Ventilation: 29 kW
7. Lifts & Escalators: 9 kW

Total Percentage Saving: 22.08 %

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Internal Lighting	10.14
2	Water Heating	1.60
3	Common Area Lighting	0.56

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4	External / Landscape Area Lighting	6.38
5	Parking (Basement + Stilt) Area Lighting	1.60
6	Plumbing, Fire, Equipment & Ventilation	1.36
7	Lifts & Escalators	0.42

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Sewage	Not applicable	Sewage treatment plant – 620 CMD capacity
Biodegradable Waste	Not applicable	Organic Waste Converter (OWC)

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	133 lakhs
	O & M cost:	40.5 lakhs/year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Mobile toilets	No. 10 of units for (M& F) workers	2.00
2	Domestic Solid waste	Biodegradable waste	15.00
3	Fugitive emissions	Dust Control measures like site barricading, water sprinkling and dust suppression curtains	10.00
4	Worker health and safety contingencies	PPE, fire safety equipment	5.00
5	Environment Monitoring	Ambient Air, Water, Noise, Soil	11.59

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	Civil and Equipment Cost along with Operation and Maintenance Cost	118	39
2	Rain water harvesting	Ground Water Recharge	2.40	0.36
3	Environmental Monitoring	Ambient Air, Water, Noise, Soil	-	7.44
4	Energy saving System	Solar Hot water Heater & PV System	88.5	0.89
5	Gardening	Green Belt Development	18.68	2
6	Solid Waste	Solid Waste Management	15	1.5
7	Disaster Management	Emergency response and contingency	136.48	27.3

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

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Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	3466.70 m2
	Area per car:	-
	Area per car:	-
	Number of 2-Wheelers as approved by competent authority:	Scooters – 1019 Bicycles - 2041
	Number of 4-Wheelers as approved by competent authority:	-
	Public Transport:	-
	Width of all Internal roads (m):	Min. 7.5 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8 (a) B2
	Court cases pending if any	NA
	Other Relevant Informations	NA

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	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	21-02-2019

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-
Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

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Brief information of the project by SEAC

PP submitted their application for prior Environmental clearance for total plot area of 23800 m2, FSI area of 33078.56 m2, Non FSI area of 10829.66 m2 and total BUA of 43908.22 m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B2.

DECISION OF SEAC

During discussion, the PP informed that he has submitted 5 more applications for grant of prior environmental clearance vide SEIAA-STATEMENT numbers - 3156, 3159, 3164, 3166 and 3168, on contagious plot adjacent to plot under reference of this proposal. It was also observed that the total built up area of all six proposals exceeds 1,50,000 m2.

The Committee decided that PP shall refer model TOR available on the web site of MoEF&CC and carry out environmental impact assessment studies considering total area of all aforesaid plots and submit a common report.

PP requested for time to submit the information sought; after deliberations committee asked PP to ***comply with*** *the observations and submit information to the committee for further discussion and consideration of SEAC.*

Specific Conditions by SEAC:

FINAL RECOMMENDATION

SEAC-III decided to defer the proposal.Kindly find SEAC decision above.

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88 SEAC-3 Day 04

SEAC Meeting number: 88 **Meeting Date** May 31, 2019

Subject: Environment Clearance for "Affordable Housing in Partnership-Madhuvan 2" located at Survey No.77 Mohmadwadi, Tal- Haveli, Dist- Pune, State- Maharashtra

Is a Violation Case: No

1.Name of Project	MADHUVAN 2
2.Type of institution	Private
3.Name of Project Proponent	M/s. Magarpatta City Development Company Pvt. Ltd. & Sable Construction Company
4.Name of Consultant	NABET Accredited Environmental Consultant : Ecofootforward Environmental Consultancy & Engineers Pvt. Ltd., D/318, Neelkanth Business Park, Ramdev Nagar, Vidyavihar (W), Mumbai-400086 www.ecofootforward.com Tel: 022-25144129, NABET Certificate no: NABET/EIA/1720/IA0028
5.Type of project	Building Construction 8 (a)
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	S. No. 77, Mohmadwadi, Pune
9.Taluka	Haveli
10.Village	Mohmadwadi
Correspondence Name:	Mr. Gangadhar M. Walse
Room Number:	13
Floor:	-
Building Name:	Magaspace
Road/Street Name:	Solapur Bazar Road
Locality:	Off East Street
City:	Pune - 411001
11.Area of the project	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 37617.02
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	18500.00
16.Deductions	3189.24
17.Net Plot area	15310.76
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 37617.02
	b) Non FSI area (sq. m.): 12282.00
	c) Total BUA area (sq. m.): 49899.00
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** NA
	Approved Non FSI area (sq. m.): NA
	Date of Approval: 01-01-1900
19.Total ground coverage (m2)	2858.30
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	18.66
21.Estimated cost of the project	832500000

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22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building A to G, Number of Buildings-7	Stilt Parking+14	43.95

23.Number of tenants and shops	Tenants: 1106
24.Number of expected residents / users	5530
25.Tenant density per hectare	2989
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	30 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	6-9 m
29.Existing structure (s) if any	NA
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

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Dry season:	**Source of water**	Pune Municipal Corporation (PMC)
	Fresh water (CMD):	497.70
	Recycled water - Flushing (CMD):	248.85
	Recycled water - Gardening (CMD):	10.81
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	757.36
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	140 m3 (20 m3 x 7 bldgs)
	Excess treated water	378.64 m3
Wet season:	**Source of water**	Pune Municipal Corporation (PMC)
	Fresh water (CMD):	497.70
	Recycled water - Flushing (CMD):	248.85
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	746.55
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	140 m3 (20 m3 x 7 bldgs)
	Excess treated water	389.45 m3
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	Not applicable	746.55	746.55	Not applicable	74.65	74.65	Not applicable	671.90	671.90

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	About 12-15 meter
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	5
	Size of recharge pits :	2.75 m X 1m X 1.5m
	Budgetary allocation (Capital cost) :	2.0 lakh
	Budgetary allocation (O & M cost) :	0.3 lakh/year
	Details of UGT tanks if any :	NA
35.Storm water drainage	**Natural water drainage pattern:**	West to East
	Quantity of storm water:	0.16 m3/sec
	Size of SWD:	200 mm to 450 mm RCC Hume Pipe
Sewage and Waste water	**Sewage generation in KLD:**	672
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	705
	Location & area of the STP:	Near Building B at the corner of Amenity Space Area : 400 sq.m
	Budgetary allocation (Capital cost):	134 lakh
	Budgetary allocation (O & M cost):	44 lakhs/year

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Concrete Waste: 243 cum
	Disposal of the construction waste debris:	Will be reused for ground filling and leveling at construction site
Waste generation in the operation Phase:	**Dry waste:**	1106 kg/day
	Wet waste:	1659 kg/day
	Hazardous waste:	As per generation
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	67 kg/day
	Others if any:	NA

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Mode of Disposal of waste:	**Dry waste:**	Authorized MPCB recycler
	Wet waste:	Organic Waste Converter (OWC)
	Hazardous waste:	Authorized service provider
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as manure in landscaping
	Others if any:	NA
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	18 m2
	Area for machinery:	2 m × 1.5 m × 1.5 m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	15 lakh
	O & M cost:	1.5 lakh/year

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	DG Waste oil	Schedule IV, Item No. 20	Litres/ 500 hr	Not applicable	20	20	Used Oil will be handled by authorized service provider

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	1× 180 KVA	HSD - 48 Liters/H	1	13	0.125	400 degree celcius

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	NA	48 Liters/H	48 Liters/H
41.Source of Fuel		Local supplier		
42.Mode of Transportation of fuel to site		Local supplier		

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43.Green Belt Development	**Total RG area :**	1,801.26
	No of trees to be cut :	3
	Number of trees to be planted :	203
	List of proposed native trees :	203
	Timeline for completion of plantation :	Till the Project Completion

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Calophyllum inophyllum	Undi	3	Good foliage. Beautiful flowers, attract honeybees.
2	Ficus microcarpa	Nandruk	3	Good for shade. It is larval host for butterflies. Attracts birds while fruiting.
3	Ficus religiosa	Pimpal	1	Fast growing, good for shade. It is larval host for butterflies. Attracts lot of birds while fruiting.
4	Albizia lebbeck	Shirish	1	Very good for shade, suitable for roadside plantation. Beautiful yellowish pods.
5	Schleichera oleosa	Kusum	4	Beautiful tree with large shady crown. Young foliage is conspicuous with reddish leaves. It is larval host for butterflies Centaur oakblue, common hedge blue, monkey puzzle
6	Albizia procera	Pandhra siris	4	Fast growing native tree. Fragrant flowers.
7	Gmelina arborea	Gamhar/ Shivan	6	Good for plantation for restoration. Beautiful yellow flowers.
8	Heterophragma quadriloculare	Waras	6	Tree looks beautiful with bunches of white flowers.
9	Lagerstroemia thorelli & speciosa	Tamhan	7	Flowering tree with beautiful violet flowers, Butterfly larval host plant.
10	Melia dubia	Limbara	3	Tall straight growing tree, fresh foliage in summer
11	Michelia champaca	Son Chapha/ champa	14	Fragrant yellow flowers. Fast growing tree. Sunbirds frequently visit the tree.
12	Mitragyna parvifolia	Kalam	7	It is larval host for butterfly commander. Good shady tree.
13	Pongamia pinnata	Honge Tree, Pongam Tree	7	Shady tree with beautiful pink flowers. Seeds are used in biofuel. Important riparian tree.
14	Terminalia arjuna	Arjun Tree	7	Medicinal tree with whitish bark. Important riparian tree. Good foliage and flowers.
15	Mimusops elengi	Bakul	7	Evergreen tree with beautiful fragrant flowers. Good for shade.

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16	Saraca asoca	Sita Ashok	7	Good shady tree with attractive red-yellow flowers. Medicinal tree. It is larval host for butterfly like common cerulean.
17	Holarrhena antidysenterica	Pandhara kuda	27	Shrub with beautiful white fragrant flowers. Medicinal.
18	Woodfordia fruticosa	Dhayati	20	Shrub with beautiful red flowers. Flower attracts many birds (Sunbirds, flowerpeckers). Medicinal.
19	Wrightia tinctoria	Kala kuda	20	Fragrant white flowers. Medicinal tree.
20	Anogeisus latifolia	Dhawda	2	Huge tree with whitish bark. Attracts insects while flowering. Planted for restoration.
21	Azadirachta indica	Neem Tree	2	Fast growing, medicinal tree. Religiously important tree.
22	Baringtonia acutangula	Indian oak	2	Good foliage, beautiful red hanging flowers. Planted for shade and beautification.
23	Bauhinia purpurea	Kanchan	2	Fast growing tree with beautiful pink-purple flowers. Bird and butterfly attractant.
24	Bombax ceiba	Indian silk cotton tree	2	Tree with Good foliaage and beuatiful red flowers. Flowers are full with nectar which attracts many species of birds.
25	Butea monosperma	Palas	2	Beautiful scarlet flowers, attract many birds. Used in afforestation of saline and waterlogged regions.
26	Cassia fistula	Golden Shower/ Amaltas	5	Fast growing tree. Beautiful yellow hanging flowers. Larval host for butterflies like common emigrant, etc. Fruits are medicinal.
27	Crataeva adansonii	-	2	Tree with good shady foliage and beautiful flowers. It is larval host for butterfly great orange tip, chocolate albatross.
28	Dalbergia sissoo	Sisoo	5	Fast growing tree. Larval host for butterfly Black Rajah
29	Dillenia indica	Mota karmal	2	Showy big leaves. Fruits are sour,food value
30	Erythrina stricta	Pangara	2	Fast growing. Beautiful red flowers. Attracts lot of birds during flowering.
31	Ficus bengalensis	Wad	1	Larval host for butterflies like common Indian crow. Fruiting trees attract lot of birds. Ecologically important tree species. Medicinal.
32	Holoptelea integrifolia	Indian Elm	5	Good shade tree for summer. Pods are edible.
33	Putranjiva roxburghii	Putranjiva, Lucky Bean Tree	10	Fast growing tree with drooping branches. Medicinal. Provides roosting place foe birds like sparrows.

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34	Thespesia populnea	Indian Tulip Tree/ Bhendi	5	Fast growing, beautiful yellow-brown flowers. It is larval host for butterfly chestnut streaked sailer.
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	NA	NA	NA

47.Energy

Power requirement:	**Source of power supply :**	Maharashtra State Electricity Distribution Co. Ltd. (MSEDCL)
	During Construction Phase: (Demand Load)	50 kW
	DG set as Power back-up during construction phase	50 kW
	During Operation phase (Connected load):	2484 kW
	During Operation phase (Demand load):	1890 kW
	Transformer:	3 x 630 kVA
	DG set as Power back-up during operation phase:	1 × 180 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Energy Saving:
1. Internal Lighting: 283 kW
2. Water Heating: 23 kW
3. Common Area Lighting: 23 kW
4. External / Landscape Area Lighting: 122 kW
5. Parking (Basement + Stilt) Area Lighting: 54 kW
6. Plumbing, Fire, Equipment & Ventilation: 25 kW
7. Lifts & Escalators: 11 kW
Total Saving: 22.24 %

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Internal Lighting	11.64
2	Water Heating	0.95
3	Common Area Lighting	0.95
4	External / Landscape Area Lighting	5.02
5	Parking (Basement + Stilt) Area Lighting	2.22
6	Plumbing, Fire, Equipment & Ventilation	1.03

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7	Lifts & Escalators	0.45

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Sewage	NA	Sewage treatment plant – 705 CMD capacity
Biodegradable Waste	NA	Organic Waste Converter

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	149 lakhs
	O & M cost:	45.5 lakhs/year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Mobile toilets with/ without STP	No. of 10 units for (M& F) workers	2.00
2	Domestic Solid waste	Biodegradable waste	15.00
3	Fugitive emissions	Dust Control measures like water sprinkling and dust suppression curtains	10.00
4	Worker health and safety contingencies	PPE, Acoustic enclosures, fire safety equipment	5.00
5	Environment Monitoring	Ambient Air, Water, Noise, Soil	11.59

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	Civil and Equipment Cost along with Operation and Maintenance Cost	134	44
2	Rain water harvesting	Ground Water Recharge	2.0	0.30
3	Environmental Monitoring	Ambient Air, Water, Noise, Soil	-	7.44
4	Energy saving System	Solar Hot water Heater	101	1.00
5	Gardening	Green Belt Development	21.16	2.16
6	Solid Waste	Solid Waste Management	15	1.5
7	Disaster Management	Emergency response and contingency	148.90	29.78

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

SEAC-AGENDA-0000000273

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	3948.10 sq. m.
	Area per car:	-
	Area per car:	-
	Number of 2-Wheelers as approved by competent authority:	Scooters – 1161, Bicycles - 2323
	Number of 4-Wheelers as approved by competent authority:	-
	Public Transport:	-
	Width of all Internal roads (m):	Min. 7.5 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8 (a)
	Court cases pending if any	NA
	Other Relevant Informations	NA

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	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	22-02-2019

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-
Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

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Brief information of the project by SEAC

PP submitted their application for prior Environmental clearance for total plot area of 18500.00 m2, FSI area of 37617.02 m2, Non FSI area of 12282.00 m2 and total BUA of 49899.00 m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B2.

DECISION OF SEAC

During discussion, the PP informed that he has submitted 5 more applications for grant of prior environmental clearance vide SEIAA-STATEMENT numbers - 3150, 3159, 3164, 3166 and 3168, on contagious plot adjacent to plot under reference of this proposal. It was also observed that the total built up area of all six proposals exceeds 1,50,000 m2.

The Committee decided that PP shall refer model TOR available on the web site of MoEF&CC and carry out environmental impact assessment studies considering total area of all aforesaid plots and submit a common report.

PP requested for time to submit the information sought; after deliberations committee asked PP to ***comply with*** *the observations and submit information to the committee for further discussion and consideration of SEAC.*

Specific Conditions by SEAC:

FINAL RECOMMENDATION

SEAC-III decided to defer the proposal.Kindly find SEAC decision above.

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88 SEAC-3 Day 04

SEAC Meeting number: 88 **Meeting Date** May 31, 2019

Subject: Environment Clearance for "Affordable Housing in Partnership-Madhuvan 3" located at Survey no. 76(part), Plot No. 76A Mohmadwadi, Tal- Haveli, Dist- Pune, State-Maharashtra

Is a Violation Case: No

1.Name of Project	MADHUVAN 3
2.Type of institution	Private
3.Name of Project Proponent	M/s. Magarpatta City Development Company Pvt. Ltd. & Sable Construction Company
4.Name of Consultant	NABET Accredited Environmental Consultant : Ecofootforward Environmental Consultancy & Engineers Pvt. Ltd., D/318, Neelkanth Business Park, Ramdev Nagar, Vidyavihar (W), Mumbai-400086 www.ecofootforward.com Tel: 022-25144129, NABET Certificate no: NABET/EIA/1720/IA0028
5.Type of project	Building Construction 8 (a)
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Survey no. 76(part) Plot No. 76A, Mohmadwadi, Pune
9.Taluka	Haveli
10.Village	Mohmadwadi
Correspondence Name:	Mr. Gangadhar M. Walse
Room Number:	13
Floor:	-
Building Name:	Magaspace
Road/Street Name:	Solapur Bazar Road
Locality:	Off East Street
City:	Pune - 411001
11.Area of the project	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	-
	IOD/IOA/Concession/Plan Approval Number: -
	Approved Built-up Area: 26656.26
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	18,100.00
16.Deductions	7,411.38
17.Net Plot area	10688.62
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 26656.26
	b) Non FSI area (sq. m.): 8939.01
	c) Total BUA area (sq. m.): 35595.27
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** NA
	Approved Non FSI area (sq. m.): NA
	Date of Approval: 01-01-1900
19.Total ground coverage (m2)	2137.75
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	20
21.Estimated cost of the project	700700000

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22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building A to B, Number of Buildings-2	Stilt Parking+12	38.15
2	Building C to E, Number of Buildings-3	Stilt Parking+14	43.95

23.Number of tenants and shops	Tenants: 784
24.Number of expected residents / users	3920
25.Tenant density per hectare	2165
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	30 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	7.5 m
29.Existing structure (s) if any	NA
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

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Dry season:	**Source of water**	Pune Municipal Corporation (PMC)
	Fresh water (CMD):	352.80
	Recycled water - Flushing (CMD):	176.40
	Recycled water - Gardening (CMD):	7.54
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	536.74
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	100 m3 (20 m3 x 5 bldgs)
	Excess treated water	268.53
Wet season:	**Source of water**	Pune Municipal Corporation (PMC)
	Fresh water (CMD):	352.80
	Recycled water - Flushing (CMD):	176.40
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	529.20
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	100 m3 (20 m3 x 5 bldgs)
	Excess treated water	276.07
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	Not applicable	529.2	529.2	Not applicable	52.9	52.9	Not applicable	476.3	476.3

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	About 12-15 meter
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	5
	Size of recharge pits :	2.75 m X 1m X 1.5m
	Budgetary allocation (Capital cost) :	2.0 lakh
	Budgetary allocation (O & M cost) :	0.3 lakh/year
	Details of UGT tanks if any :	NA
35.Storm water drainage	**Natural water drainage pattern:**	West to East
	Quantity of storm water:	0.11 m3/sec
	Size of SWD:	200 mm to 400 mm diameter RCC Hume pipe
Sewage and Waste water	**Sewage generation in KLD:**	476
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	500
	Location & area of the STP:	Near Building A at the right top corner of plot, Area : 275 sq.m
	Budgetary allocation (Capital cost):	95.26 lakh
	Budgetary allocation (O & M cost):	31.29 lakhs/year

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Concrete Waste: 172 cum
	Disposal of the construction waste debris:	Will be reused for ground filling and leveling at construction site
Waste generation in the operation Phase:	**Dry waste:**	784 kg/day
	Wet waste:	1176 kg/day
	Hazardous waste:	As per generation
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	34 kg/day
	Others if any:	NA

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Mode of Disposal of waste:	**Dry waste:**	Authorized MPCB recycler
	Wet waste:	Organic Waste Converter (OWC)
	Hazardous waste:	Authorized service provider
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as manure in landscaping
	Others if any:	NA
Area requirement:	**Location(s):**	Near Bottom corner of building C
	Area for the storage of waste & other material:	18 m2
	Area for machinery:	2 m × 1.5 m × 1.5 m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	15 lakh
	O & M cost:	1.5 lakh/year

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	DG Waste oil	Schedule IV, Item No. 20	Litres/ 500 hr	Not applicable	15	15	Used Oil will be handled by authorized service provider

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	1 × 125 KVA	28 Liters/Hour	1	13	100	300 degree celcius

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	NA	28 Liters/Hour	28 Liters/Hour
41.Source of Fuel		Local supplier		
42.Mode of Transportation of fuel to site		Local supplier		

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43.Green Belt Development	**Total RG area :**	1257.48 sq. m.
	No of trees to be cut :	3
	Number of trees to be planted :	143
	List of proposed native trees :	143
	Timeline for completion of plantation :	Till the project completion

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Calophyllum inophyllum	Undi	2	Good foliage. Beautiful flowers, attract honeybees.
2	Ficus microcarpa	Nandruk	3	Good for shade. It is larval host for butterflies. Attracts birds while fruiting.
3	Ficus religiosa	Pimpal	1	Fast growing, good for shade. It is larval host for butterflies. Attracts lot of birds while fruiting.
4	Albizia lebbeck	Shirish	1	Very good for shade, suitable for roadside plantation. Beautiful yellowish pods.
5	Schleichera oleosa	Kusum	3	Beautiful tree with large shady crown. Young foliage is conspicuous with reddish leaves. It is larval host for butterflies Centaur oakblue, common hedge blue, monkey puzzle
6	Albizia procera	Pandhra siris	2	Fast growing native tree. Fragrant flowers.
7	Heterophragma quadriloculare	Waras	8	Tree looks beautiful with bunches of white flowers.
8	Lagerstroemia thorelli & speciosa	Tamhan	8	Flowering tree with beautiful violet flowers, Butterfly larval host plant.
9	Melia dubia	Limbara	3	Tall straight growing tree, fresh foliage in summer
10	Michelia champaca	Son Chapha/ champa	14	Fragrant yellow flowers. Fast growing tree. Sunbirds frequently visit the tree.
11	Mitragyna parvifolia	Kalam	7	It is larval host for butterfly commander. Good shady tree.
12	Pongamia pinnata	Honge Tree, Pongam Tree	7	Shady tree with beautiful pink flowers. Seeds are used in biofuel. Important riparian tree.
13	Pterospermum acerifolium	Muchkund	4	Fragrant large flowers, sunbirds frequently seen. Beautiful foliage.
14	Terminalia arjuna	Arjun Tree	9	Medicinal tree with whitish bark. Important riparian tree. Good foliage and flowers.
15	Mimusops elengi	Bakul	9	Evergreen tree with beautiful fragrant flowers. Good for shade.

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16	Saraca asoca	Sita Ashok	9	Good shady tree with attractive red-yellow flowers. Medicinal tree. It is larval host for butterfly like common cerulean.
17	Holarrhena antidysenterica	Pandhara kuda	8	Shrub with beautiful white fragrant flowers. Medicinal.
18	Woodfordia fruticosa	Dhayati	7	Shrub with beautiful red flowers. Flower attracts many birds (Sunbirds, flowerpeckers). Medicinal.
19	Wrightia tinctoria	Kala kuda	7	Fragrant white flowers. Medicinal tree.
20	Anogeisus latifolia	Dhawda	1	Huge tree with whitish bark. Attracts insects while flowering. Planted for restoration.
21	Azadirachta indica	Neem Tree	1	Fast growing, medicinal tree. Religiously important tree.
22	Baringtonia acutangula	Indian oak	1	Good foliage, beautiful red hanging flowers. Planted for shade and beautification.
23	Bauhinia purpurea	Kanchan	2	Fast growing tree with beautiful pink-purple flowers. Bird and butterfly attractant.
24	Bombax ceiba	Indian silk cotton tree	2	Tree with Good foliaage and beuatiful red flowers. Flowers are full with nectar which attracts many species of birds.
25	Butea monosperma	Palas	1	Beautiful scarlet flowers, attract many birds. Used in afforestation of saline and waterlogged regions.
26	Cassia fistula	Golden Shower/ Amaltas	5	Fast growing tree. Beautiful yellow hanging flowers. Larval host for butterflies like common emigrant, etc. Fruits are medicinal.
27	Crataeva adansonii	-	1	Tree with good shady foliage and beautiful flowers. It is larval host for butterfly great orange tip, chocolate albatross.
28	Dalbergia sissoo	Sisoo	1	Fast growing tree. Larval host for butterfly Black Rajah.
29	Holoptelea integrifolia	Indian Elm	5	Good shade tree for summer. Pods are edible
30	Putranjiva roxburghii	Putranjiva, Lucky Bean Tree	6	Fast growing tree with drooping branches. Medicinal. Provides roosting place foe birds like sparrows.
31	Thespesia populnea	Indian Tulip Tree/ Bhendi	5	Fast growing, beautiful yellow-brown flowers. It is larval host for butterfly chestnut streaked sailer.
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	NA	NA	NA

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47.Energy

Power requirement:	**Source of power supply :**	Maharashtra State Electricity Distribution Co. Ltd. (MSEDCL)
	During Construction Phase: (Demand Load)	50 kW
	DG set as Power back-up during construction phase	50 kW
	During Operation phase (Connected load):	1760 kW
	During Operation phase (Demand load):	1341 kW
	Transformer:	3 × 500 kVA
	DG set as Power back-up during operation phase:	1 ×125 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Energy Saving:
1. Internal Lighting: 186 kW
2. Water Heating: 16 kW
3. Common Area Lighting: 14 kW
4. External / Landscape Area Lighting: 113 kW
5. Parking (Basement + Stilt) Area Lighting: 35 kW
6. Plumbing, Fire, Equipment & Ventilation: 15 kW
7. Lifts & Escalators: 7 kW

Total Saving: 22.35 %

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Internal Lighting	10.77
2	Water Heating	0.93
3	Common Area Lighting	0.81
4	External / Landscape Area Lighting	6.54
5	Parking (Basement + Stilt) Area Lighting	2.03
6	Plumbing, Fire, Equipment & Ventilation	0.87
7	Lifts & Escalators	0.41

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Sewage	NA	Sewage treatment plant – 500 CMD capacity
Biodegradable Waste	NA	Organic Waste Converter

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Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	110.26 lakh
	O & M cost:	32 lakh/year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Mobile toilets with/ without STP	No. 10 of units for (M& F) workers	2.00
2	Domestic Solid waste	Biodegradable waste	15.00
3	Fugitive emissions	Dust Control measures like water sprinkling and dust suppression curtains	10.00
4	Worker health and safety contingencies	PPE, Acoustic enclosures, fire safety equipment	5.00
5	Environment Monitoring	Ambient Air, Water, Noise, Soil	11.59

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	Civil and Equipment Cost along with Operation and Maintenance Cost	95.26	31.29
2	Rain water harvesting	Ground Water Recharge	2.0	0.30
3	Environmental Monitoring	Ambient Air, Water, Noise, Soil	-	7.44
4	Energy saving System	Solar Hot water Heater	71.34	0.71
5	Gardening	Green Belt Development	15.09	1.5
6	Solid Waste	Solid Waste Management	15	1.5
7	Disaster Management	Emergency response and contingency	124.06	24.81

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

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53.Traffic Management		
	Nos. of the junction to the main road & design of confluence:	1
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	2798.20 m2
	Area per car:	-
	Area per car:	-
	Number of 2-Wheelers as approved by competent authority:	Scooters – 823, Bicycles - 1646
	Number of 4-Wheelers as approved by competent authority:	-
	Public Transport:	-
	Width of all Internal roads (m):	Min. 7.5 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8 (a)
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	25-02-2019

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SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-

Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-
Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

PP submitted their application for prior Environmental clearance for total plot area of 18,100.00 m2, FSI area of 26656.26 m2, Non FSI area of 8939.01 m2 and total BUA of 35595.27 m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B2.

DECISION OF SEAC

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During discussion, the PP informed that he has submitted 5 more applications for grant of prior environmental clearance vide SEIAA-STATEMENT numbers - 3150, 3156, 3164, 3166 and 3168, on contagious plot adjacent to plot under reference of this proposal. It was also observed that the total built up area of all six proposals exceeds 1,50,000 m2.

The Committee decided that PP shall refer model TOR available on the web site of MoEF&CC and carry out environmental impact assessment studies considering total area of all aforesaid plots and submit a common report.

PP requested for time to submit the information sought; after deliberations committee asked PP to ***comply with*** *the observations and submit information to the committee for further discussion and consideration of SEAC.*

Specific Conditions by SEAC:

FINAL RECOMMENDATION

SEAC-III decided to defer the proposal.Kindly find SEAC decision above.

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88 SEAC-3 Day 04

SEAC Meeting number: 88 **Meeting Date** May 31, 2019

Subject: Environment Clearance for "Affordable Housing in Partnership-Madhuvan 4, Survey No. 76(part), Plot No. 76B, Mohmadwadi, Tal- Haveli, Dist- Pune, State - Maharashtra

Is a Violation Case: No

1.Name of Project	MADHUVAN 4
2.Type of institution	Private
3.Name of Project Proponent	M/s. Magarpatta City Development Company Pvt. Ltd. & Sable Construction Company
4.Name of Consultant	NABET Accredited Environmental Consultant : Ecofootforward Environmental Consultancy & Engineers Pvt. Ltd., D/318, Neelkanth Business Park, Ramdev Nagar, Vidyavihar (W), Mumbai-400086 www.ecofootforward.com Tel: 022-25144129, NABET Certificate no: NABET/EIA/1720/IA0028
5.Type of project	Building Construction 8 (a)
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Survey No. 76(part), Plot No. 76B - Madhuvan 4, Mohmadwadi, Pune
9.Taluka	Haveli
10.Village	Mohmadwadi
Correspondence Name:	Mr. Gangadhar M. Walse
Room Number:	13
Floor:	-
Building Name:	Magaspace
Road/Street Name:	Solapur Bazar Road.
Locality:	Off East Street
City:	Pune - 411001
11.Area of the project	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	-
	IOD/IOA/Concession/Plan Approval Number: -
	Approved Built-up Area: 32670.90
13.Note on the initiated work (If applicable)	-
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	-
15.Total Plot Area (sq. m.)	20000.00
16.Deductions	6871.20
17.Net Plot area	13128.80
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 32670.90
	b) Non FSI area (sq. m.): 10765.45
	c) Total BUA area (sq. m.): 43436.35
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** NA
	Approved Non FSI area (sq. m.): NA
	Date of Approval: 01-01-1900
19.Total ground coverage (m2)	2565.30
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	19.61
21.Estimated cost of the project	789100000

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22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building A, Number of Building: 1	Stilt Parking +11	35.25 m
2	Building B to F, Number of Building: 5	Stilt Parking +14	43.95 m

23.Number of tenants and shops	Total Tenants: 961
24.Number of expected residents / users	4805
25.Tenant density per hectare	2529
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	30 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	6-9 m
29.Existing structure (s) if any	NA
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

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Dry season:	**Source of water**	Pune Municipal Corporation (PMC)
	Fresh water (CMD):	432.45
	Recycled water - Flushing (CMD):	216.23
	Recycled water - Gardening (CMD):	7.69
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	656.37
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	120 m3 (20 m3 x 6 bldgs)
	Excess treated water	330.70
Wet season:	**Source of water**	Pune Municipal Corporation (PMC)
	Fresh water (CMD):	432.45
	Recycled water - Flushing (CMD):	216.23
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	648.68
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	120 m3 (20 m3 x 6 bldgs)
	Excess treated water	338.40
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	Not applicable	648.68	648.68	Not applicable	64.86	64.86	Not applicable	583.80	583.80

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	About 12-15 meter
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	5
	Size of recharge pits :	2.75 m X 1m X 1.5 m
	Budgetary allocation (Capital cost) :	2.00 lakh
	Budgetary allocation (O & M cost) :	0.30 lakh/year
	Details of UGT tanks if any :	NA
35.Storm water drainage	**Natural water drainage pattern:**	West to East
	Quantity of storm water:	0.14 m3/sec
	Size of SWD:	200 mm to 400 mm dia RCC Hume pipe
Sewage and Waste water	**Sewage generation in KLD:**	584
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	1 STP of Capacity - 613 KLD
	Location & area of the STP:	Near Building A at the right top corner of plot Area : 325 sq.m
	Budgetary allocation (Capital cost):	116.76 lakh
	Budgetary allocation (O & M cost):	38.36 lakh/year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	211 cum
	Disposal of the construction waste debris:	Will be reused for ground filling and leveling at construction site
Waste generation in the operation Phase:	**Dry waste:**	961 kg/day
	Wet waste:	1442 kg/day
	Hazardous waste:	As per generation
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	58 kg/day
	Others if any:	NA

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Mode of Disposal of waste:	**Dry waste:**	Authorized MPCB recycler
	Wet waste:	Organic Waste Converter (OWC)
	Hazardous waste:	Authorized service provider
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as manure in landscaping
	Others if any:	NA
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	18 m2
	Area for machinery:	2 m × 1.5 m × 1.5 m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	15 lakh
	O & M cost:	1.5 lakh/year

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	DG Waste oil	Schedule IV, Item No. 20	Litres/ 500 hr	Not applicable	17	17	Used Oil will be handled by authorized service provider

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	1 x 160 kVA	HSD, 37 Liters/Hr	1	13	0.1	350 degree celcius

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	Not applicable	37 Liters /Hr	37 Liters /Hr
41.Source of Fuel		Local supplier		
42.Mode of Transportation of fuel to site		Local supplier		

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43.Green Belt Development	**Total RG area :**	1632.80 sq. m.
	No of trees to be cut :	9
	Number of trees to be planted :	192
	List of proposed native trees :	192
	Timeline for completion of plantation :	Till Project Completion

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Calophyllum inophyllum	Undi	3	Good foliage. Beautiful flowers, attract honeybees.
2	Ficus microcarpa	Nandruk	3	Good for shade. It is larval host for butterflies. Attracts birds while fruiting.
3	Ficus religiosa	Pimpal	1	Fast growing, good for shade. It is larval host for butterflies. Attracts lot of birds while fruiting
4	Albizia lebbeck	Shirish	1	Very good for shade, suitable for roadside plantation. Beautiful yellowish pods.
5	Schleichera oleosa	Kusum	3	Beautiful tree with large shady crown. Young foliage is conspicuous with reddish leaves. It is larval host for butterflies Centaur oakblue, common hedge blue, monkey puzzle
6	Albizia procera	Pandhra siris	3	Fast growing native tree. Fragrant flowers.
7	Gmelina arborea	Gamhar/ Shivan	3	Good for plantation for restoration. Beautiful yellow flowers
8	Heterophragma quadriloculare	Waras	3	Tree looks beautiful with bunches of white flowers.
9	Lagerstroemia thorelli & speciosa	Tamhan	5	Flowering tree with beautiful violet flowers, Butterfly larval host plant.
10	Melia dubia	Limbara	3	Tall straight growing tree, fresh foliage in summer
11	Michelia champaca	Son Chapha/ champa	10	Fragrant yellow flowers. Fast growing tree. Sunbirds frequently visit the tree.
12	Mitragyna parvifolia	Kalam	5	It is larval host for butterfly commander. Good shady tree.
13	Pongamia pinnata	Honge Tree, Pongam Tree	2	Shady tree with beautiful pink flowers. Seeds are used in biofuel. Important riparian tree.
14	Pterospermum acerifolium	Muchkund	4	Fragrant large flowers, sunbirds frequently seen. Beuatidul foliage.
15	Terminalia arjuna	Arjun Tree	7	Medicinal tree with whitish bark. Important riparian tree. Good foliage and flowers.

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16	Mimusops elengi	Bakul	9	Evergreen tree with beautiful fragrant flowers. Good for shade.
17	Saraca asoca	Sita Ashok	7	Good shady tree with attractive red-yellow flowers. Medicinal tree. It is larval host for butterfly like common cerulean.
18	Holarrhena antidysenterica	Pandhara kuda	18	Shrub with beautiful white fragrant flowers. Medicinal.
19	Woodfordia fruticosa	Dhayati	18	Shrub with beautiful red flowers. Flower attracts many birds (Sunbirds, flowerpeckers). Medicinal.
20	Wrightia tinctoria	Kala kuda	18	Fragrant white flowers. Medicinal tree.
21	Anogeisus latifolia	Dhawda	2	Huge tree with whitish bark. Attracts insects while flowering. Planted for restoration.
22	Azadirachta indica	Neem Tree	5	Fast growing, medicinal tree. Religiously important tree.
23	Baringtonia acutangula	Indian oak	5	Good foliage, beautiful red hanging flowers. Planted for shade and beautification.
24	Bauhinia purpurea	Kanchan	5	Fast growing tree with beautiful pink-purple flowers. Bird and butterfly attractant.
25	Bombax ceiba	Indian silk cotton tree	2	Tree with Good foliaage and beuatiful red flowers. Flowers are full with nectar which attracts many species of birds.
26	Butea monosperma	Palas	5	Beautiful scarlet flowers, attract many birds. Used in afforestation of saline and waterlogged regions.
27	Cassia fistula	Golden Shower/ Amaltas	5	Fast growing tree. Beautiful yellow hanging flowers. Larval host for butterflies like common emigrant, etc. Fruits are medicinal.
28	Crataeva adansonii	-	5	Tree with good shady foliage and beautiful flowers. It is larval host for butterfly great orange tip, chocolate albatross.
29	Dalbergia sissoo	Sisoo	5	Fast growing tree. Larval host for butterfly Black Rajah.
30	Dillenia indica	Mota karmal	2	Showy big leaves. Fruits are sour, food value
31	Erythrina stricta	Pangara	5	Fast growing. Beautiful red flowers. Attracts lot of birds during flowering.
32	Holoptelea integrifolia	Indian Elm	5	Good shade tree for summer. Pods are edible.
33	Putranjiva roxburghii	Putranjiva, Lucky Bean Tree	10	Fast growing tree with drooping branches. Medicinal. Provides roosting place foe birds like sparrows.
34	Thespesia populnea	Indian Tulip Tree/ Bhendi	5	Fast growing, beautiful yellow-brown flowers. It is larval host for butterfly chestnut streaked sailer.

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45.Total quantity of plants on ground	

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	NA	NA	NA

47.Energy

Power requirement:	**Source of power supply :**	Maharashtra State Electricity Distribution Co. Ltd. (MSEDCL)
	During Construction Phase: (Demand Load)	50 kW
	DG set as Power back-up during construction phase	50 kW
	During Operation phase (Connected load):	2158 kW
	During Operation phase (Demand load):	1641 kW
	Transformer:	3 x 630 kVA
	DG set as Power back-up during operation phase:	160 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Energy Saving:
1. Internal Lighting: 214 kW
2. Water Heating: 26 kW
3. Common Area Lighting: 14 kW
4. External / Landscape Area Lighting: 92 kW
5. Parking (Basement + Stilt) Area Lighting: 25 kW
6. Plumbing, Fire, Equipment & Ventilation: 28 kW
7. Lifts & Escalators: 9 kW

Total Energy Saving: 19.93 %

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Internal Lighting	10.44
2	Water Heating	1.27
3	Common Area Lighting	0.68
4	External / Landscape Area Lighting	4.49
5	Parking (Basement + Stilt) Area Lighting	1.22
6	Plumbing, Fire, Equipment & Ventilation	1.37
7	Lifts & Escalators	0.44

50.Details of pollution control Systems

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Source	Existing pollution control system	Proposed to be installed
Sewage	Not applicable	Sewage treatment plant – 584 CMD capacity
Biodegradable Waste	Not applicable	Organic Waste Converter (OWC)

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	131.76 lakh
	O & M cost:	39.86 lakh/year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Mobile toilets with/ without STP	No. 10 of units for (M& F) workers	2.00
2	Domestic Solid waste	Biodegradable waste	15.00
3	Fugitive emissions	Dust Control measures like water sprinkling and dust suppression curtains	10.00
4	Worker health and safety contingencies	PPE, Acoustic enclosures, fire safety equipment	5.00
5	Environment Monitoring	Ambient Air, Water, Noise, Soil	11.59

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	Civil and Equipment Cost along with Operation and Maintenance Cost	116.76	38.36
2	Rain water harvesting	Ground Water Recharge	2.00	0.30
3	Environmental Monitoring	Ambient Air, Water, Noise, Soil	-	7.44
4	Energy saving System	Solar Hot water Heater	87.45	0.87
5	Gardening	Green Belt Development	18.46	1.85
6	Solid Waste	Solid Waste Management	15	1.5
7	Disaster Management	Emergency response and contingency	136.48	27.30

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation

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Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	3430.60
	Area per car:	-
	Area per car:	-
	Number of 2-Wheelers as approved by competent authority:	Scooters – 1009, Cycles - 2018
	Number of 4-Wheelers as approved by competent authority:	-
	Public Transport:	-
	Width of all Internal roads (m):	Min. 7.5 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8 (a)
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	26-02-2019

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

SEAC-AGENDA-0000000273

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-
Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

PP submitted their application for prior Environmental clearance for total plot area of 20000.00 m2, FSI area of 32670.90 m2, Non FSI area of 10765.45 m2 and total BUA of 43436.35 m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B2.

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DECISION OF SEAC

During discussion, the PP informed that he has submitted 5 more applications for grant of prior environmental clearance vide SEIAA-STATEMENT numbers - 3150, 3156, 3159, 3166 and 3168, on contagious plot adjacent to plot under reference of this proposal. It was also observed that the total built up area of all six proposals exceeds 1,50,000 m2.

The Committee decided that PP shall refer model TOR available on the web site of MoEF&CC and carry out environmental impact assessment studies considering total area of all aforesaid plots and submit a common report.

PP requested for time to submit the information sought; after deliberations committee asked PP to ***comply with*** *the observations and submit information to the committee for further discussion and consideration of SEAC.*

Specific Conditions by SEAC:

FINAL RECOMMENDATION

SEAC-III decided to defer the proposal.Kindly find SEAC decision above.

SEAC-AGENDA-0000000273

88 SEAC-3 Day 04

SEAC Meeting number: 88 **Meeting Date** May 31, 2019

Subject: Environment Clearance for "Affordable Housing in Partnership - Madhuvan 5- Survey No. 76(part), Plot No. 76C Mohmadwadi, Tal- Haveli, Dist- Pune, State - Maharashtra

Is a Violation Case: No

1.Name of Project	MADHUVAN 5
2.Type of institution	Private
3.Name of Project Proponent	M/s. Magarpatta City Development Company Pvt. Ltd. & Sable Construction Company
4.Name of Consultant	NABET Accredited Environmental Consultant : Ecofootforward Environmental Consultancy & Engineers Pvt. Ltd., D/318, Neelkanth Business Park, Ramdev Nagar, Vidyavihar (W), Mumbai-400086 www.ecofootforward.com Tel: 022-25144129, NABET Certificate no: NABET/EIA/1720/IA0028
5.Type of project	Building Construction 8 (a)
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Survey No. 76(part), Plot No. 76C - Madhuvan 5, Mohmadwadi, Pune
9.Taluka	Haveli
10.Village	Mohmadwadi
Correspondence Name:	Mr. Gangadhar M. Walse
Room Number:	13
Floor:	-
Building Name:	Magaspace
Road/Street Name:	Solapur Bazar Road
Locality:	Off East Street
City:	Pune - 411001
11.Area of the project	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	-
	IOD/IOA/Concession/Plan Approval Number: -
	Approved Built-up Area: 22164.26
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	-
15.Total Plot Area (sq. m.)	12500.00
16.Deductions	3624.31
17.Net Plot area	8875.69
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 22164.26
	b) Non FSI area (sq. m.): 7321.31
	c) Total BUA area (sq. m.): 29485.57
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** NA
	Approved Non FSI area (sq. m.): NA
	Date of Approval: 01-01-1900
19.Total ground coverage (m2)	1710.20
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	19.26
21.Estimated cost of the project	526100000

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22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building A to C, Number of Building: 3	Stilt Parking+14	43.95
2	Building D, Number of Building: 1	Stilt Parking+13	41.05

23.Number of tenants and shops	Total Tenants: 652
24.Number of expected residents / users	3260
25.Tenant density per hectare	260.8
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	30 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	6-9 m
29.Existing structure (s) if any	NA
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

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Dry season:	**Source of water**	Pune Municipal Corporation (PMC)
	Fresh water (CMD):	293.40
	Recycled water - Flushing (CMD):	146.70
	Recycled water - Gardening (CMD):	6.27
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	446.37
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	80 m3 (20 m3 x 4 bldgs)
	Excess treated water	223.32
Wet season:	**Source of water**	Pune Municipal Corporation (PMC)
	Fresh water (CMD):	293.40
	Recycled water - Flushing (CMD):	146.70
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	440.10
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	80 m3 (20 m3 x 4 bldgs)
	Excess treated water	229.59
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	Not applicable	440.10	440.10	Not applicable	44.01	44.01	Not applicable	396.09	396.09

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	About 12-15 meter
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	5
	Size of recharge pits :	2.75 m X 1m X 1.5 m
	Budgetary allocation (Capital cost) :	2 lakh/year
	Budgetary allocation (O & M cost) :	0.30 lakh
	Details of UGT tanks if any :	NA
35.Storm water drainage	**Natural water drainage pattern:**	West to East
	Quantity of storm water:	0.10 m3/sec
	Size of SWD:	200 mm to 400 mm dia RCC Hume pipes
Sewage and Waste water	**Sewage generation in KLD:**	396
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	1 STP of Capacity-416 KLD
	Location & area of the STP:	Near Building A at the right top corner of plot Area : 230 sq.m
	Budgetary allocation (Capital cost):	79.22 lakh
	Budgetary allocation (O & M cost):	26.02 lakh/year

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	143 cum
	Disposal of the construction waste debris:	Will be reused for ground filling and leveling at construction site
Waste generation in the operation Phase:	**Dry waste:**	652 kg/day
	Wet waste:	978 kg/day
	Hazardous waste:	As per generation
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	0.32 kg/day
	Others if any:	NA

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Mode of Disposal of waste:	**Dry waste:**	Authorized MPCB recycler
	Wet waste:	Organic Waste Converter (OWC)
	Hazardous waste:	Authorized service provider
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as manure in landscaping
	Others if any:	NA
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	20 m2
	Area for machinery:	2 m × 1.5 m × 1.5 m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	15 lakh
	O & M cost:	1.5 lakh/year

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	DG Waste oil	Schedule IV, Item No. 20	Litres/ 500 hr	Not applicable	15	15	Used Oil will be handled by authorized service provider

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	1 × 100 kVA	HSD – 24 Litres/hr	1	13	0.1	300 degree celcius

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	Not applicable	24 Litres/hr	24 Litres/hr
41.Source of Fuel		Local supplier		
42.Mode of Transportation of fuel to site		Local supplier		

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43.Green Belt Development	**Total RG area :**	1044.20 sq. m.
	No of trees to be cut :	0
	Number of trees to be planted :	116
	List of proposed native trees :	116
	Timeline for completion of plantation :	Till the Project Completion

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Calophyllum inophyllum	Undi	2	Good foliage. Beautiful flowers, attract honeybees.
2	Ficus microcarpa	Nandruk	2	Good for shade. It is larval host for butterflies. Attracts birds while fruiting.
3	Ficus religiosa	Pimpal	1	Fast growing, good for shade. It is larval host for butterflies. Attracts lot of birds while fruiting.
4	Albizia lebbeck	Shirish	1	Very good for shade, suitable for roadside plantation. Beautiful yellowish pods.
5	Schleichera oleosa	Kusum	1	Beautiful tree with large shady crown. Young foliage is conspicuous with reddish leaves. It is larval host for butterflies Centaur oakblue, common hedge blue, monkey puzzle
6	Albizia procera	Pandhra siris	1	Fast growing native tree. Fragrant flowers.
7	Gmelina arborea	Gamhar/ Shivan	3	Good for plantation for restoration. Beautiful yellow flowers.
8	Heterophragma quadriloculare	Waras	3	Tree looks beautiful with bunches of white flowers.
9	Lagerstroemia thorelli & speciosa	Tamhan	4	Flowering tree with beautiful violet flowers, Butterfly larval host plant.
10	Melia dubia	Limbara	2	Tall straight growing tree, fresh foliage in summer
11	Michelia champaca	Son Chapha/ champa	5	Fragrant yellow flowers. Fast growing tree. Sunbirds frequently visit the tree.
12	Mitragyna parvifolia	Kalam	5	It is larval host for butterfly commander. Good shady tree.
13	Pongamia pinnata	Honge Tree, Pongam Tree	4	Shady tree with beautiful pink flowers. Seeds are used in biofuel. Important riparian tree.
14	Terminalia arjuna	Arjun Tree	5	Medicinal tree with whitish bark. Important riparian tree. Good foliage and flowers.
15	Mimusops elengi	Bakul	5	Evergreen tree with beautiful fragrant flowers. Good for shade.

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16	Saraca asoca	Sita Ashok	5	Good shady tree with attractive red-yellow flowers. Medicinal tree. It is larval host for butterfly like common cerulean.
17	Holarrhena antidysenterica	Pandhara kuda	13	Shrub with beautiful white fragrant flowers. Medicinal.
18	Woodfordia fruticosa	Dhayati	12	Shrub with beautiful red flowers. Flower attracts many birds (Sunbirds, flowerpeckers). Medicinal.
19	Wrightia tinctoria	Kala kuda	10	Fragrant white flowers. Medicinal tree.
20	Anogeisus latifolia	Dhawda	1	Huge tree with whitish bark. Attracts insects while flowering. Planted for restoration.
21	Azadirachta indica	Neem Tree	1	Fast growing, medicinal tree. Religiously important tree.
22	Bauhinia purpurea	Kanchan	2	Fast growing tree with beautiful pink-purple flowers. Bird and butterfly attractant.
23	Cassia fistula	Golden Shower/ Amaltas	4	Fast growing tree. Beautiful yellow hanging flowers. Larval host for butterflies like common emigrant, etc. Fruits are medicinal.
24	Crataeva adansonii	-	3	Tree with good shady foliage and beautiful flowers. It is larval host for butterfly great orange tip, chocolate albatross.
25	Dalbergia sissoo	Sisoo	3	Fast growing tree. Larval host for butterfly Black Rajah.
26	Dillenia indica	Mota karmal	2	Showy big leaves. Fruits are sour,food value
27	Erythrina stricta	Pangara	4	Fast growing. Beautiful red flowers. Attracts lot of birds during flowering
28	Holoptelea integrifolia	Indian Elm	4	Good shade tree for summer. Pods are edible.
29	Putranjiva roxburghii	Putranjiva, Lucky Bean Tree	5	Fast growing tree with drooping branches. Medicinal. Provides roosting place foe birds like sparrows.
30	Thespesia populnea	Indian Tulip Tree/ Bhendi	3	Fast growing, beautiful yellow-brown flowers. It is larval host for butterfly chestnut streaked sailer.
45.Total quantity of plants on ground				

SEAC-AGENDA-0000000273

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	NA	NA	NA

47.Energy

Power requirement:	**Source of power supply :**	Maharashtra State Electricity Distribution Co. Ltd. (MSEDCL)
	During Construction Phase: (Demand Load)	50 kW
	DG set as Power back-up during construction phase	50 kW
	During Operation phase (Connected load):	1464 kW
	During Operation phase (Demand load):	1112 kW
	Transformer:	2 × 630 kVA
	DG set as Power back-up during operation phase:	1 × 100 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Energy Saving:
1. Internal Lighting: 145 kW
2. Water Heating: 14 kW
3. Common Area Lighting: 14 kW
4. External / Landscape Area Lighting: 87 kW
5. Parking (Basement + Stilt) Area Lighting: 31 kW
6. Plumbing, Fire, Equipment & Ventilation: 19 kW
7. Lifts & Escalators: 6 kW

Total Saving: 22.15 %

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Internal Lighting	10.15
2	Water Heating	0.98
3	Common Area Lighting	0.98
4	External / Landscape Area Lighting	6.09
5	Parking (Basement + Stilt) Area Lighting	2.17
6	Plumbing, Fire, Equipment & Ventilation	1.33
7	Lifts & Escalators	0.42

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Sewage	Not applicable	Sewage treatment plant – 416 CMD
Biodegradable Waste	Not applicable	Organic Waste Converter (OWC)

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	94.22 lakh
	O & M cost:	27.72 lakh/year

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51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Mobile toilets with/ without STP	No. 10 of units for (M& F) workers	2.00
2	Domestic Solid waste	Biodegradable waste	15.00
3	Fugitive emissions	Dust Control measures like water sprinkling and dust suppression curtains	10.00
4	Worker health and safety contingencies	PPE, Acoustic enclosures, fire safety equipment	5.00
5	Environment Monitoring	Ambient Air, Water, Noise, Soil	11.59

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	Civil and Equipment Cost along with Operation and Maintenance Cost	79.22	26.02
2	Rain water harvesting	Ground Water Recharge	2.00	0.30
3	Environmental Monitoring	Ambient Air, Water, Noise, Soil	-	7.44
4	Energy saving System	Solar Hot water Heater	59.33	0.59
5	Gardening	Green Belt Development	12.53	1.3
6	Solid Waste	Solid Waste Management	15	1.5
7	Disaster Management	Emergency response and contingency	111.65	22.33

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

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	Nos. of the junction to the main road & design of confluence:	1
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	2328.30 m2
	Area per car:	-
	Area per car:	-
	Number of 2-Wheelers as approved by competent authority:	Scooters – 685, Cycles - 1369
	Number of 4-Wheelers as approved by competent authority:	-
	Public Transport:	-
	Width of all Internal roads (m):	Min. 7.5 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8 (a)
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	27-02-2019

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SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	--

Ground water parameters	-
Solid Waste Management	-
Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

PP submitted their application for prior Environmental clearance for total plot area of 12500.00 m2, FSI area of 22164.26 m2, Non FSI area of 7321.31 m2 and total BUA of 29485.57 m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B2.

DECISION OF SEAC

SEAC-AGENDA-0000000273

During discussion, the PP informed that he has submitted 5 more applications for grant of prior environmental clearance vide SEIAA-STATEMENT numbers - 3150, 3156, 3159, 3164 and 3168, on contagious plot adjacent to plot under reference of this proposal. It was also observed that the total built up area of all six proposals exceeds 1,50,000 m2.

The Committee decided that PP shall refer model TOR available on the web site of MoEF&CC and carry out environmental impact assessment studies considering total area of all aforesaid plots and submit a common report.

PP requested for time to submit the information sought; after deliberations committee asked PP to ***comply with*** *the observations and submit information to the committee for further discussion and consideration of SEAC.*

Specific Conditions by SEAC:

FINAL RECOMMENDATION

SEAC-III decided to defer the proposal.Kindly find SEAC decision above.

SEAC-AGENDA-0000000273

88 SEAC-3 Day 04

SEAC Meeting number: 88 **Meeting Date** May 31, 2019

Subject: Environment Clearance for "Affordable Housing in Partnership- Survey No. 76(part), Plot No. 76D, Madhuvan 6, Mohmadwadi, Tal- Haveli, Dist- Pune, State - Maharashtra

Is a Violation Case: No

1.Name of Project	MADHUVAN 6
2.Type of institution	Private
3.Name of Project Proponent	M/s. Magarpatta City Development Company Pvt. Ltd. & Sable Construction Company
4.Name of Consultant	NABET Accredited Environmental Consultant : Ecofootforward Environmental Consultancy & Engineers Pvt. Ltd., D/318, Neelkanth Business Park, Ramdev Nagar, Vidyavihar (W), Mumbai-400086 www.ecofootforward.com Tel: 022-25144129, NABET Certificate no: NABET/EIA/1720/IA0028
5.Type of project	Building Construction 8 (a)
6.New project/expansion in existing project/modernization/diversification in existing project	Not applicable
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Survey No. 76(part), Plot No. 76D - Madhuvan 6, Mohmadwadi, Pune
9.Taluka	Haveli
10.Village	Mohmadwadi
Correspondence Name:	Mr. Gangadhar M. Walse
Room Number:	13
Floor:	-
Building Name:	Magaspace
Road/Street Name:	Solapur Bazar Road
Locality:	Off East Street
City:	Pune- 411001
11.Area of the project	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	-
	IOD/IOA/Concession/Plan Approval Number: -
	Approved Built-up Area: 18804.24
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	-
15.Total Plot Area (sq. m.)	10300.00
16.Deductions	2737.55
17.Net Plot area	7562.45
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 18804.24
	b) Non FSI area (sq. m.): 6566.76
	c) Total BUA area (sq. m.): 25371.00
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** NA
	Approved Non FSI area (sq. m.): NA
	Date of Approval: 01-01-1900
19.Total ground coverage (m2)	1441.10
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	19.05
21.Estimated cost of the project	442800000

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22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building A to D, Number of Building: 4	Stilt Parking+14	43.95 m

23.Number of tenants and shops	Total Tenants: 552
24.Number of expected residents / users	3320
25.Tenant density per hectare	322.33
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	30 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	6-9 m
29.Existing structure (s) if any	NA
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

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Dry season:	**Source of water**	Pune Municipal Corporation (PMC)
	Fresh water (CMD):	248.40
	Recycled water - Flushing (CMD):	124.20
	Recycled water - Gardening (CMD):	4.45
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	377.04
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	80 m3 (20 m3 x 4 bldgs)
	Excess treated water	189.92
Wet season:	**Source of water**	Pune Municipal Corporation (PMC)
	Fresh water (CMD):	248.40
	Recycled water - Flushing (CMD):	124.20
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	372.60
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	80 m3 (20 m3 x 4 bldgs)
	Excess treated water	194.37
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	Not applicable	372.60	372.60	Not applicable	37.26	37.26	Not applicable	335.34	335.34

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	About 12-15 meter
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	5
	Size of recharge pits :	2.75 m X 1m X 1.5 m
	Budgetary allocation (Capital cost) :	2 lakh
	Budgetary allocation (O & M cost) :	0.30 lakh/Year
	Details of UGT tanks if any :	NA
35.Storm water drainage	**Natural water drainage pattern:**	West to East
	Quantity of storm water:	0.08 m3/sec
	Size of SWD:	200 mm to 400 mm dia RCC Hume pipe
Sewage and Waste water	**Sewage generation in KLD:**	335
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	1 STP of Capacity - 352 KLD
	Location & area of the STP:	Near Building A at the right top corner of plot, Area : 200 sq.m
	Budgetary allocation (Capital cost):	67.07 lakh
	Budgetary allocation (O & M cost):	22.03 lakh/Year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	121 cum
	Disposal of the construction waste debris:	Will be reused for ground filling and leveling at construction site
Waste generation in the operation Phase:	**Dry waste:**	664 kg/day
	Wet waste:	996 kg/day
	Hazardous waste:	As per generation
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	0.32 kg/day
	Others if any:	NA

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Mode of Disposal of waste:	**Dry waste:**	Authorized MPCB recycler
	Wet waste:	Organic Waste Converter (OWC)
	Hazardous waste:	Authorized service provider
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as manure in landscaping
	Others if any:	NA
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	18 m2
	Area for machinery:	2 m × 1.5 m × 1.5 m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	15 lakh
	O & M cost:	1.5 lakh/year

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	DG Waste oil	Schedule IV, Item No. 20	Litres/ 500 hr	Not applicable	15	15	Used Oil will be handled by authorized service provider

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	1 × 100 kVA	HSD – 24 Litres/hr	1	13	0.1	300 degree celcius

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	Not applicable	24 Litres/hr	24 Litres/hr
41.Source of Fuel		Local supplier		
42.Mode of Transportation of fuel to site		Local supplier		

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43.Green Belt Development	**Total RG area :**	889.70 m2
	No of trees to be cut :	0
	Number of trees to be planted :	95
	List of proposed native trees :	95
	Timeline for completion of plantation :	Till the project completion

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Calophyllum inophyllum	Undi	2	Good foliage. Beautiful flowers, attract honeybees.
2	Ficus microcarpa	Nandruk	2	Good for shade. It is larval host for butterflies. Attracts birds while fruiting.
3	Ficus religiosa	Pimpal	1	Fast growing, good for shade. It is larval host for butterflies. Attracts lot of birds while fruiting
4	Albizia lebbeck	Shirish	1	Very good for shade, suitable for roadside plantation. Beautiful yellowish pods.
5	Schleichera oleosa	Kusum	3	Beautiful tree with large shady crown. Young foliage is conspicuous with reddish leaves. It is larval host for butterflies Centaur oakblue, common hedge blue, monkey puzzle
6	Albizia procera	Pandhra siris	2	Fast growing native tree. Fragrant flowers.
7	Gmelina arborea	Gamhar/ Shivan	3	Good for plantation for restoration. Beautiful yellow flowers.
8	Heterophragma quadriloculare	Waras	3	Tree looks beautiful with bunches of white flowers.
9	Lagerstroemia thorelli & speciosa	Tamhan	4	Flowering tree with beautiful violet flowers, Butterfly larval host plant
10	Melia dubia	Limbara	2	Tall straight growing tree, fresh foliage in summer
11	Michelia champaca	Son Chapha/ champa	7	Fragrant yellow flowers. Fast growing tree. Sunbirds frequently visit the tree.
12	Mitragyna parvifolia	Kalam	5	It is larval host for butterfly commander. Good shady tree.
13	Pongamia pinnata	Honge Tree, Pongam Tree	5	Shady tree with beautiful pink flowers. Seeds are used in biofuel. Important riparian tree.
14	Terminalia arjuna	Arjun Tree	4	Medicinal tree with whitish bark. Important riparian tree. Good foliage and flowers.
15	Mimusops elengi	Bakul	4	Evergreen tree with beautiful fragrant flowers. Good for shade.

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16	Saraca asoca	Sita Ashok	4	Good shady tree with attractive red-yellow flowers. Medicinal tree. It is larval host for butterfly like common cerulean.
17	Holarrhena antidysenterica	Pandhara kuda	7	Shrub with beautiful white fragrant flowers. Medicinal.
18	Woodfordia fruticosa	Dhayati	7	Shrub with beautiful red flowers. Flower attracts many birds (Sunbirds, flowerpeckers). Medicinal.
19	Wrightia tinctoria	Kala kuda	7	Fragrant white flowers. Medicinal tree.
20	Anogeisus latifolia	Dhawda	1	Huge tree with whitish bark. Attracts insects while flowering. Planted for restoration.
21	Azadirachta indica	Neem Tree	1	Fast growing, medicinal tree. Religiously important tree.
22	Baringtonia acutangula	Indian oak	1	Good foliage, beautiful red hanging flowers. Planted for shade and beautification
23	Bauhinia purpurea	Kanchan	2	Fast growing tree with beautiful pink-purple flowers. Bird and butterfly attractant.
24	Bombax ceiba	Indian silk cotton tree	2	Tree with Good foliaage and beuatiful red flowers. Flowers are full with nectar which attracts many species of birds.
25	Butea monosperma	Palas	1	Beautiful scarlet flowers, attract many birds. Used in afforestation of saline and waterlogged regions.
26	Cassia fistula	Golden Shower/ Amaltas	1	Fast growing tree. Beautiful yellow hanging flowers. Larval host for butterflies like common emigrant, etc. Fruits are medicinal.
27	Crataeva adansonii	-	1	Tree with good shady foliage and beautiful flowers. It is larval host for butterfly great orange tip, chocolate albatross.
28	Dalbergia sissoo	Sisoo	1	Fast growing tree. Larval host for butterfly Black Rajah.
29	Holoptelea integrifolia	Indian Elm	3	Good shade tree for summer. Pods are edible
30	Putranjiva roxburghii	Putranjiva, Lucky Bean Tree	5	Fast growing tree with drooping branches. Medicinal. Provides roosting place foe birds like sparrows.
31	Thespesia populnea	Indian Tulip Tree/ Bhendi	3	Fast growing, beautiful yellow-brown flowers. It is larval host for butterfly chestnut streaked sailer.
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	NA	NA	NA

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47.Energy

Power requirement:	**Source of power supply :**	Maharashtra State Electricity Distribution Co. Ltd. (MSEDCL)
	During Construction Phase: (Demand Load)	50 kW
	DG set as Power back-up during construction phase	50 kW
	During Operation phase (Connected load):	1240 kW
	During Operation phase (Demand load):	954 kW
	Transformer:	2 x 500 kVA
	DG set as Power back-up during operation phase:	1 x 100 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Energy Saving:
1. Internal Lighting: 117 kW
2. Water Heating: 14 kW
3. Common Area Lighting: 12 kW
4. External / Landscape Area Lighting: 64 kW
5. Parking (Basement + Stilt) Area Lighting: 27 kW
6. Plumbing, Fire, Equipment & Ventilation: 14 kW
7. Lifts & Escalators: 7 kW

Total Saving: 20.91 %

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Internal Lighting	9.70
2	Water Heating	1.16
3	Common Area Lighting	1.00
4	External / Landscape Area Lighting	5.31
5	Parking (Basement + Stilt) Area Lighting	2.24
6	Plumbing, Fire, Equipment & Ventilation	1.16
7	Lifts & Escalators	0.58

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Sewage	Not applicable	Sewage treatment plant – 352 CMD capacity
Biodegradable Waste	Not applicable	Organic Waste Converter (OWC)

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Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	82.07 lakhs
	O & M cost:	23.08 lakhs/year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Mobile toilets with/ without STP	No. 10 of units for (M& F) workers	2.00
2	Domestic Solid waste	Biodegradable waste	15.00
3	Fugitive emissions	Dust Control measures like water sprinkling and dust suppression curtains	10.00
4	Worker health and safety contingencies	PPE, Acoustic enclosures, fire safety equipment	5.00
5	Environment Monitoring	Ambient Air, Water, Noise, Soil	11.59

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	Civil and Equipment Cost along with Operation and Maintenance Cost	67.07	22.03
2	Rain water harvesting	Ground Water Recharge	2.00	0.30
3	Environmental Monitoring	Ambient Air, Water, Noise, Soil	-	7.44
4	Energy saving System	Solar Hot water Heater	50.23	0.50
5	Gardening	Green Belt Development	10.67	1
6	Solid Waste	Solid Waste Management	15	1.5
7	Disaster Management	Emergency response and contingency	111.65	22.33

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

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53.Traffic Management		
	Nos. of the junction to the main road & design of confluence:	1
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	1971.30 m2
	Area per car:	-
	Area per car:	-
	Number of 2-Wheelers as approved by competent authority:	Scooters – 580 , Cycles – 1159
	Number of 4-Wheelers as approved by competent authority:	-
	Public Transport:	-
	Width of all Internal roads (m):	Min. 7.5 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8 (a)
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	27-02-2019

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-

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Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-
Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

PP submitted their application for prior Environmental clearance for total plot area of 10300.00 m2, FSI area of 18804.24 m2, Non FSI area of 6566.76 m2 and total BUA of 25371.00 m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B2.

DECISION OF SEAC

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During discussion, the PP informed that he has submitted 5 more applications for grant of prior environmental clearance vide SEIAA-STATEMENT numbers - 3150, 3156, 3159, 3164 and 3166 on contagious plot adjacent to plot under reference of this proposal. It was also observed that the total built up area of all six proposals exceeds 1,50,000 m2.

The Committee decided that PP shall refer model TOR available on the web site of MoEF&CC and carry out environmental impact assessment studies considering total area of all aforesaid plots and submit a common report.

PP requested for time to submit the information sought; after deliberations committee asked PP to ***comply with*** *the observations and submit information to the committee for further discussion and consideration of SEAC.*

Specific Conditions by SEAC:

FINAL RECOMMENDATION

SEAC-III decided to defer the proposal.Kindly find SEAC decision above.

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88 SEAC-3 Day 04

SEAC Meeting number: 88 **Meeting Date** May 31, 2019

Subject: Environment Clearance for Proposed residential & commercial construction project located at Sr. No. 39/2/1B, Wadgaonsheri, Pune by Bhaktamar Realties LLP

Is a Violation Case: No

1.Name of Project	Proposed residential & commercial construction project
2.Type of institution	Private
3.Name of Project Proponent	Mr. Praful Shantilal Kothari
4.Name of Consultant	NA
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	S. No. 39/2/1 B
9.Taluka	Haveli
10.Village	Wadgaon Sheri
Correspondence Name:	Mr. Praful Shantilal Kothari
Room Number:	L-2/205
Floor:	-
Building Name:	Brhama Suncity
Road/Street Name:	-
Locality:	Wadgaon Sheri
City:	Pune
11.Area of the project	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	IOD / Sanction is in process from PMC
	IOD/IOA/Concession/Plan Approval Number: IOD / Sanction is in process from PMC
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	No work is initiated for proposed construction project. Temporary shed for watchman cabin, site office is present at site which will be demolished during construction phase
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	10200SQM
16.Deductions	4361.46 SQM
17.Net Plot area	7901.04 SQM
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 21648.87
	b) Non FSI area (sq. m.): 26372.87
	c) Total BUA area (sq. m.): 48021
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval: 01-01-1900
19.Total ground coverage (m2)	2543.12
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	43%
21.Estimated cost of the project	955075506

22.Number of buildings & its configuration

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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Wing - A	B+G+P1+P2 + 13 Floor	44.90
2	Wing - B	B+G+P1+P2 + 12 Floor	42.05
3	Wing - C	B+G+P1+P2 + 12 Floor	42.05
4	Wing - D	B+G+P1+P2 + 13 Floor	44.90
5	Wing - E	B+G+P1+P2 + 13 Floor	44.90
6	Wing - F	B+G+P1+P2 + 14 Floor	44.90
7	MHADA	P + 6 Floor	19.95
8	Commercial Block connected with building A	G + 1 Floor	8.75

23.Number of tenants and shops	320 NUMBER OF TENANTS, 8 shops & 9 offices
24.Number of expected residents / users	RESIDENTIAL OCCUPANCY - 1600 + COMMERCIAL OCCUPANT LOAD - 111= TOTAL 1711
25.Tenant density per hectare	250/HECTER
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	12 MT.
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 MT.
29.Existing structure (s) if any	Temporary shed for watchman cabin & site office is present at site which will be demolished during construction phase of the proposed project.
30.Details of the demolition with disposal (If applicable)	TIN SHEETS & PAVING BLOCKS WILL BE REUSED DURING CONSTRUCTION PHASE

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

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Dry season:	**Source of water**	PMC
	Fresh water (CMD):	151
	Recycled water - Flushing (CMD):	75
	Recycled water - Gardening (CMD):	7
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	232
	Fire fighting - Underground water tank(CMD):	450
	Fire fighting - Overhead water tank(CMD):	130
	Excess treated water	122
Wet season:	**Source of water**	PMC
	Fresh water (CMD):	151
	Recycled water - Flushing (CMD):	75
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	225
	Fire fighting - Underground water tank(CMD):	450
	Fire fighting - Overhead water tank(CMD):	130
	Excess treated water	129
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Fresh water requirement	Not applicable	151	151	Not applicable	14	14	Not applicable	136	136
Gardening	Not applicable	7	7	Not applicable	Not applicable	Not applicable	Not applicable	7	7
Domestic	Not applicable	74	74	Not applicable	7	7	Not applicable	67	67

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	11 to 12 mt BGL premonsoon season, 2 to 5 BGL during post monsoon season
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	11
	Size of recharge pits :	(Dia. 2 m and 3 m height) with 6" Dia. 60 m deep bore well via 1 No. of 2 m dia. 3 m deep de-silting chamber with O&G trap.
	Budgetary allocation (Capital cost) :	11.50 Lakh
	Budgetary allocation (O & M cost) :	1.85 Lakh
	Details of UGT tanks if any :	UGT Details 1) FOR DOMESTIC - 227 m3 2) FOR FIRE FIGHTING - 450 m3 3) FOR FLUSHING - 74 m3
35.Storm water drainage	**Natural water drainage pattern:**	North to South (1-2 mt difference)
	Quantity of storm water:	4810.93 m3 / Year
	Size of SWD:	450 mm
Sewage and Waste water	**Sewage generation in KLD:**	202
	STP technology:	MBBR
	Capacity of STP (CMD):	1 No of STP with 210 CMD capacity
	Location & area of the STP:	Near Proposed Building A
	Budgetary allocation (Capital cost):	39.50 Lack
	Budgetary allocation (O & M cost):	10.80 Lack

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	During Construction phase - 19228 cum excavated material may be generate
	Disposal of the construction waste debris:	Will be reused at site for internal road construction, site leveling, compound construction etc.
Waste generation in the operation Phase:	**Dry waste:**	337
	Wet waste:	492
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	15.75 Kg/Day
	Others if any:	NA

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Mode of Disposal of waste:	**Dry waste:**	Handover to authorized vendor
	Wet waste:	Will be treated in OWC machine and used as a manure
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Dry sludge will be used as manure
	Others if any:	NA
Area requirement:	**Location(s):**	Near Building A
	Area for the storage of waste & other material:	8 SQM
	Area for machinery:	36 SQM
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	12.75
	O & M cost:	2.83

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	DG Set	Diesel -52.5 lit./hr @ 75% Loading	1	4.22	0.15	NA

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel	Not applicable	Not applicable	Not applicable
41.Source of Fuel		Not applicable		
42.Mode of Transportation of fuel to site		Not applicable		

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43.Green Belt Development	**Total RG area :**	790.25 SQM
	No of trees to be cut :	0
	Number of trees to be planted :	117 (Proposed) + 2 (Existing) = 119
	List of proposed native trees :	Attached
	Timeline for completion of plantation :	5 Years

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Bauhinia Variegata	Kanchan	28	Flowering Shade Tree
2	Caryota Urens	Fish tail Palm	07	Low Leaf-fall
3	Cassia Fistula	Amaltas	15	Brilliant Seasonal flowering
4	Lagerstroemia Flos Reginae	Tamhan	06	Official State flower Tree
5	Michelia Champaca	Sonchafa	12	Fragrant Flowering Tree
6	Mimusops Elengi	Bakul	26	Fragrant Flowering & shade Tree
7	Mangifera Indica	Mango	02	Fruit bearing tree, attract birds
8	Mutingia Calabura	Cherry	03	uit bearing tree, attract birds
9	Phyllanthus Acidus	Rai Awala	02	Fruit bearing tree, attract birs
10	Pterospermum Acerifolium	Kanak Champa	14	Palliated by birds
11	SyzigiumCumini	Jamun	02	Fruit bearing Tree attracts 7 birds
12	Azadirachta Indica	Neem	02	Medicinal Properties
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	NA	0	0

47.Energy

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Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	75 KW
	DG set as Power back-up during construction phase	82.5 KVA
	During Operation phase (Connected load):	1811 KW
	During Operation phase (Demand load):	869 KW
	Transformer:	630 KVA X 2 No.
	DG set as Power back-up during operation phase:	320 KVA X 1 No.
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Auto Timer control for external & Common lighting
Use of CFL / LED lamps in all public/ common areas.
Solar water heating .
Electronic V3F Drives for Elevators
Solar PV Panel power for common area lighting.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar PV Panels	27000 KWH / Annum
2	Timer Logic Controller	80351 KWH / Annum
3	Electronic V3F drive for Lifts	37576 KWH / Annum
4	Solar Water Heater	334080 KWH / Annum

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Waste water generation by occupant during operation phase	Not applicable	STP of 210 KLD will be installed to treat waste water
Wet waste generation by occupant during operation phase	Not applicable	OWC machine will be installed to treat wet waste & to use produced as a manure

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Noise Generation	Not applicable	Acoustic enclouser to DG set

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	37.46 Lakh
	O & M cost:	1.8 Lakh

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Erosion control	water for dust suppression measures & soil preservation	0.8
2	Site safety	Barricades & nets	5.0
3	Site sanitation	Mobile toilets, sanitation facities	1.5
4	Disinfection & Health checkup	For labours	0.75
5	Environment Monitoring	Air water noise soil monitoring	0.3

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Waste water	STP of 210 KLD	39.50	10.80
2	Storm water	11 no of RWH pits	11.50	1.8
3	Storm water networking	Internal storm water network	15.00	2.25
4	Solid waste manegment	OWC machine	12.75	2.83
5	Landscaping	no of trees	16.00	3.60
6	Energy saving measures	solar Street lights & solar water heater	41.7	1.26
7	Other energy saving measures	Auto Timer control for external & Common lighting Use of CFL / LED lamps in all public/ common areas, Electronic V3F Drives for Elevators	13.3	1.33
8	Environmental Monitoring	Air, water, noise, soil , six monthly compliance etc.	-	2.60

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation

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Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1
Parking details:	**Number and area of basement:**	1 no. of basement - Area 2035.09 SQM
	Number and area of podia:	NA
	Total Parking area:	13221 SQM
	Area per car:	30 sqm
	Area per car:	30 sqm
	Number of 2-Wheelers as approved by competent authority:	717
	Number of 4-Wheelers as approved by competent authority:	339
	Public Transport:	Bus stop near 1 Km vicinity of site
	Width of all Internal roads (m):	6 mt
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8 (a) B2
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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Environmental Impacts of the project	Satisfactory.
Water Budget	Satisfactory.
Waste Water Treatment	Satisfactory.
Drainage pattern of the project	Satisfactory.
Ground water parameters	Satisfactory.
Solid Waste Management	Satisfactory.
Air Quality & Noise Level issues	Satisfactory.
Energy Management	Satisfactory.
Traffic circulation system and risk assessment	Satisfactory.
Landscape Plan	Satisfactory.
Disaster management system and risk assessment	Satisfactory.
Socioeconomic impact assessment	Satisfactory.
Environmental Management Plan	Satisfactory.
Any other issues related to environmental sustainability	Satisfactory.

Brief information of the project by SEAC

PP submitted their application for prior Environmental clearance for total plot area of 10200 m2, FSI area of 21648.87 m2, Non FSI area of 26372.87 m2 and total BUA of 48021 m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B2.

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DECISION OF SEAC

During discussion following points emerged:

1. PP to incorporate name of school where solar panels will be installed and number of sanitary vending machines to be installed. Also, PP to submit number of caging to trees proposed to be planted in Vadgaon-Sheri. PP to resubmit CER accordingly.

*SEAC decided to **recommend** the proposal for prior environmental Clearance, subject to PP complying with the above condition.*

Specific Conditions by SEAC:

1) -

FINAL RECOMMENDATION

SEAC-III have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions

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88 SEAC-3 Day 04

SEAC Meeting number: 88 **Meeting Date** May 31, 2019

Subject: Environment Clearance for Expansion of Mall, Multiplex and Five Star Hotel

Is a Violation Case: Yes

1.Name of Project	Mall, Multiplex and Five Star Hotel
2.Type of institution	Private
3.Name of Project Proponent	Shri Sadanand Sabnis
4.Name of Consultant	Mr. Rajesh Srivastava - Pollution and Ecology Constrol Services (PECS)
5.Type of project	Commercial
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No
8.Location of the project	2104/15 E Ward, Kawala Naka
9.Taluka	Karveer
10.Village	Kolhapur
Correspondence Name:	Shri Sadanand Sabnis
Room Number:	0
Floor:	1st Fl.
Building Name:	D Y P Hospitality Pvt Ltd
Road/Street Name:	2104/15 E Ward
Locality:	Kawala Naka
City:	Kolhapur
11.Area of the project	Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Kolhapur Municipal Corporation
	IOD/IOA/Concession/Plan Approval Number: Applied
	Approved Built-up Area: 68869.74
13.Note on the initiated work (If applicable)	Mall, Multiplex - Basement +GII+GI+4 Fl., Hotel Building - LB+LG+G+9 Fl., Banquet Hall Ground Fl., completed
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	19502.9 Sqm
16.Deductions	1067 Sqm
17.Net Plot area	18435.9 Sqm
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 32647.43
	b) Non FSI area (sq. m.): 36222.31
	c) Total BUA area (sq. m.): 68869.74
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 32647.43
	Approved Non FSI area (sq. m.): 36222.31
	Date of Approval: 29-03-2019
19.Total ground coverage (m2)	9737.45
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	53%
21.Estimated cost of the project	1300000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)

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1	Mall, Multiplex & Five Star Hotel	2 Basement + G +9 floors	35.95

23.Number of tenants and shops	216 Hotel Rooms, 20 Shops, 5 Screen Multiplex & Banquet Hall
24.Number of expected residents / users	11308
25.Tenant density per hectare	NA
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	30 Mtr
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 Mtr
29.Existing structure (s) if any	Mall, Multiplex - Basement +GII+GI+4 Fl., Hotel Building - LB+LG+G+9 Fl., Banquet Hall Ground Fl., completed
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

Dry season:	**Source of water**	Kolhapur Municipal Corporation
	Fresh water (CMD):	251
	Recycled water - Flushing (CMD):	154
	Recycled water - Gardening (CMD):	10
	Swimming pool make up (Cum):	5
	Total Water Requirement (CMD) :	405
	Fire fighting - Underground water tank(CMD):	400
	Fire fighting - Overhead water tank(CMD):	40
	Excess treated water	152

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Wet season:	**Source of water**	Kolhapur Municipal Corporation
	Fresh water (CMD):	251
	Recycled water - Flushing (CMD):	154
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	5
	Total Water Requirement (CMD) :	395
	Fire fighting - Underground water tank(CMD):	400
	Fire fighting - Overhead water tank(CMD):	40
	Excess treated water	162
Details of Swimming pool (If any)	L 14.695MX W 9.36M Depth 1.35M	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	As per hydro geo report
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	8 Nos
	Size of recharge pits :	2.0 m x 2.0 m x2 m
	Budgetary allocation (Capital cost) :	12 Lacks
	Budgetary allocation (O & M cost) :	0.4 Lacks/Year
	Details of UGT tanks if any :	Domestic 375 CMD, Fire 400CMD

35.Storm water drainage	**Natural water drainage pattern:**	0 to -12mtr meter towards North East
	Quantity of storm water:	1170 m3/Day Approx
	Size of SWD:	450 mm

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Sewage and Waste water	**Sewage generation in KLD:**	352
	STP technology:	MBBR
	Capacity of STP (CMD):	400
	Location & area of the STP:	As shown on Plan
	Budgetary allocation (Capital cost):	80 Lacks
	Budgetary allocation (O & M cost):	12 Lacks/Annum

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	5 Kg/Day
	Disposal of the construction waste debris:	Construction debris will be recycled and utilized on the same site. No hazardous waste is involved
Waste generation in the operation Phase:	**Dry waste:**	785 Kg/Day
	Wet waste:	999 Kg/Day
	Hazardous waste:	Used Oil from DG Set Approx 700Lit/Year
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	20Kg/Day
	Others if any:	E Waste of Approx 450 Kg/Year
Mode of Disposal of waste:	**Dry waste:**	Will be Handed over to Authorized Agency
	Wet waste:	In-situ Composting
	Hazardous waste:	Through MPCB Authorised Hazardous Waste Recycler
	Biomedical waste (If applicable):	N.A.
	STP Sludge (Dry sludge):	Used as Manure for Gardening
	Others if any:	Through MPCB Authorised E Waste Recycler
Area requirement:	**Location(s):**	Shown on Plan
	Area for the storage of waste & other material:	170 Sqm
	Area for machinery:	Included in above
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	18 Lacks
	O & M cost:	4.8 Lacks/Year

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Ph	Between	6 to 10	5.5 to 9	5.5 to 9
2	Suspended Solids	Mg/l	150-300	100	100
3	BOD 3Days 27 degee Cent	Mg/l	250-300	100	100
4	COD	Mg/l	400-600	250	250

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5	Oil & Grease	Mg/l	15	10	10
6	TSS	Mg/l	3000	2100	2100
7	Sulphates	Mg/l	1200	1000	1000
8	Cholides	Mg/l	800	600	600

Amount of effluent generation (CMD):	16
Capacity of the ETP:	25
Amount of treated effluent recycled :	14
Amount of water send to the CETP:	Not applicable
Membership of CETP (if require):	Not applicable
Note on ETP technology to be used	FAR
Disposal of the ETP sludge	Used as Manure

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable

41.Source of Fuel	Not applicable
42.Mode of Transportation of fuel to site	Not applicable

43.Green Belt Development

Total RG area :	1,950.29 Sqm
No of trees to be cut :	0
Number of trees to be planted :	316
List of proposed native trees :	Attached
Timeline for completion of plantation :	Already Planted

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Albizia lebbeck	Shirish	8	"Shady tree, yellowish green fragrant flowers"
2	Azadiracta indica	Neem	10	Evergreen tree, fast growing

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3	Saraca asoka	Sita Ashok	6	Shady tree with red-yellow flowers
4	Anthocephallus cadamba	Kadamb	10	"Shady, large tree, ball shaped flowers"
5	Psidium guajava	Peru	7	Medium size , fruit bearing tree
6	Nyctanthes arbor-tristis	Parijatak	10	This Small tree has highly fragrant flowers those attract Bees and Butterflies, Fruits attract Birds.
7	Ochna obtusata	Kanak Champa	15	Native, this shrub has yellow fragrant flowers, Host plant for Butterflies.
8	Murraya paniculatum	Kamini/Kunti	12	Native to Western Ghats, this shrub has fragrant white flowers and dense foliage. It is a host plant for Butterflies.
9	Manilkara zapota	Chickoo	18	This small tree attracts Birds and Bees. Edible Fruit.
10	Citrus limon	Lemon	6	This Shrub is used in everyday Cooking and acts as a host plant for Butterflies.
11	Bauhinia racemosa	Apta	9	Native to Pune, this Shrub has a Religious importance
12	Mimusops elengi	Bakul	10	Native, Evergreen Foliage and Flowering tree has dense branching, hence good for Wind screening. Flowers are deeply fragrant and attracts birds and Bees.
13	Pongamia pinnata	Karanj	5	Native to Pune, this Deciduous White Flowering tree . Attracts Birds and Arboreal Mammals.
14	Mangifera indica	Mango	6	Tall, fruit bearing tree
15	Syzygium cumini	Jambhul	7	"Dense ornamental, fruit bearing tree"
16	Lagerstroemia reginae	Tamhan	8	This Purple Flowering plant is the State flower of Maharashtra.
17	Cassia fistula	Bahava	10	This Flowering and Deciduous tree has beautiful Yellow chandeliers in Summers. Good perching site for Birds.
18	Erythrina variegata	Pangara	15	Native to Western Maharashtra, this Reddish-Orange Flowering and Deciduous tree attracts lot of Birds for the Nectar.
19	Terminalia catapa	Badaam	10	Drought tolerant.
20	Terminalia arjuna	Arjuna	17	Large evergreen tree.
21	Bauhinia purpurea	Kanchan	12	Exotic tropical tree that blooms over a long period of time.
22	Michelia champaca	Son Chafa	10	Large evergreen tree.
23	Caryota urens	Fish Tail Palm	5	Flowering plant in the palm family.
24	Plumeria alba	Plumeria alba	10	Tree with elongated leaves, large and strongly perfumed white flowers with a yellow center. Ornamental plant.

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25	Couroupita guianensis	Kailashpati	15	Deciduous tree. Flowering & Fruit Bearing. Medicinal properties.
26	Khaya anthotheca	Mahogany	7	Large, fast-growing, semi-deciduous tree with a dense crown.
27	Butea monosperma	Palas	5	Medium-sized dry season-deciduous tree.
28	Ficus glomerate	Cluster Fig	8	Deciduous tree. Medicinal Properties.
29	Cordia dichotoma	Indian Cherry	10	Flowering Tree.
30	Plumeria rubra	Frangipani	6	Tropical and sub-tropical deciduous tree.
31	Phyllanthus emblica	Indian gooseberry	5	Small to medium sized deciduous tree. Ayurvedic importance.
32	Dalbergia latifolia	Indian rosewood	10	Single-stemmed deciduous tree with a dome shaped crown of lush green foliage.
33	Aegle Marmelos	BEL	14	FRUIT PLANT/MEDICINAL PLANT, FRAGRANT FLOWERS OR LEAVES, PLANT FOR PUJA OR PRAYER FLOWER OR LEAVES
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	NA	NA	NA

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	75 KW
	DG set as Power back-up during construction phase	NIL
	During Operation phase (Connected load):	4600 KW
	During Operation phase (Demand load):	1975 KW
	Transformer:	1X1000kVA & 1X1500kVA
	DG set as Power back-up during operation phase:	2320kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

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Common area lighting such as parking, stairways, passages etc shall be provided with LED bulbs
• LED for entire Drive way and internal roads and pathways
• Solar Water heating system shall be provided for entire scheme as per norms
• Energy efficient pumps.
• Timer for Staircase lighting, Lift Lobby, Parking area and street lights.
• Energy saving devices for passenger lifts

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	1) Power Capacitors are proposed for load power factor correction and to maintain a healthy power situation. This also results in less demand load factor for the project. 2)Most of the common area lighting is proposed to work on high energy efficient lamps (LED) as specified in bureau of energy efficiency which again results in saving in general consumption. 3)External & Common lighting is proposed on LED Lamps which results in 40% saving in consumption. These are set of lighting which are pla	19%

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	130 Lacks
	O & M cost:	7 Lacks/Year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water for Construction & labour	Water Requirement	2.5
2	Site Sanitation & Safety	Health & Safety	15
3	Environmental Monitoring	Pollution Monitoring & Control	6
4	Disinfection	Health & Safety	4
5	Health Check-Up	Health & Safety	3
6	Safety and PPE Safety personal protective equipment	Health & Safety	3
7	Safety Nets & Barrication	Health & Safety	8
8	Storm water managemen	Health & Safety	3

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Rain Water Harvesting	RWH Pits	12	0.4
2	Sewage Treatment Plant	Waste Water Management	80	12

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3	Organic Waste Composting	Solid Waste Management	18	4.8
4	Tree Plantation	Landscape Development	40	5
5	Energy Saving	Energy Conservation	130	7
6	Environmental Monitoring	Pollution Control	0	6

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1
Parking details:	**Number and area of basement:**	14019.25 Sqm
	Number and area of podia:	NA
	Total Parking area:	12979.3 Sqm
	Area per car:	12.5 sqm
	Area per car:	12.5 sqm
	Number of 2-Wheelers as approved by competent authority:	1440 Nos
	Number of 4-Wheelers as approved by competent authority:	641 Nos
	Public Transport:	The site is well connected to the public transport infrastructure.
	Width of all Internal roads (m):	NA
	CRZ/ RRZ clearance obtain, if any:	NA

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	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	Category B
	Court cases pending if any	No
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-
Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

SEAC-AGENDA-0000000273

PP submitted their application for prior Environmental clearance for total plot area of 19502.9 m2, FSI area of 32647.43 m2, Non FSI area of 36222.31 m2 and total BUA of 68869.74 m2.

DECISION OF SEAC

The PP informed that they have carried out 42000.62 m2 construction work of onsite, this amounting to violation of Environment (Protection) Act, 1986 r.w. EIA Notification 2006, amended till date.

The Committee noted that the PP has not applied within the prescribed period as per the MoEF&CC Notification dated 14/03/2017, 8/03/2018 and concerned office memoranda issued from time to time.

In view of above, the Committee decided to **refer to the proposal to SEIAA** for further decision.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

Kindly find SEAC decision above.

SEAC-AGENDA-0000000273