72 nd Agenda of SEAC-3 (Day-1)

SEAC Meeting number: 72 **Meeting Date** September 30, 2018

Subject: Environment Clearance for Residential Construction Project

Is a Violation Case: No

1.Name of Project	Gagan Akanksha
2.Type of institution	Private
3.Name of Project Proponent	Mr. Sushil Agarwal
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	NA
8.Location of the project	Gat No. 524, Koregaon Mul
9.Taluka	Haveli
10.Village	Urulikanchan
Correspondence Name:	Mr. Mitesh Shah
Room Number:	NA
Floor:	2nd Floor
Building Name:	Wellesley court
Road/Street Name:	Wellesley Road
Locality:	Camp
City:	Pune
11.Area of the project	PMRDA
12.IOD/IOA/Concession/Plan Approval Number	Sanction Plan approved from Town planning Pune
	IOD/IOA/Concession/Plan Approval Number: Sanction Plan Approval No. NA/SR/II/312/2014 dated 21/07/2014
	Approved Built-up Area: 19310.12
13.Note on the initiated work (If applicable)	Total constructed work (FSI+ Non FSI): 16,993.59 sq. m. As per sanctioned plan No. NA/SR/II/312/2014 dated 21/07/2014
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	76,900 sq.m
16.Deductions	32,62.13 sq.m
17.Net Plot area	73637.87 sq.m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 62259.31 sq.m
	b) Non FSI area (sq. m.): 14917.24 sq. m.
	c) Total BUA area (sq. m.): 77176.55
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 15,464.01 sq.m
	Approved Non FSI area (sq. m.): 1,529.58 sq.m
	Date of Approval: 21-07-2014
19.Total ground coverage (m2)	4510.21 sq.m
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	16.32 %
21.Estimated cost of the project	1000000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A1	P + 7	29.05
2	A2	P + 7	29.05
3	A3	P + 7	29.05
4	A4	P + 7	29.05
5	A5	P + 7	29.05
6	A6	P + 7	29.05
7	A7	P + 7	29.05
8	A8	P + 7	29.05
9	A9	P + 7	29.05
10	A10	P + 7	29.05
11	A11	P + 7	29.05
12	A12	P + 7	29.05
13	A13	P + 7	29.05
14	A14	P + 7	29.05
15	A15	P + 7	29.05
16	A16	P + 7	29.05
17	A17	P + 7	29.05
18	A18	P + 7	29.05
19	A19	P + 7	29.05
20	A20	P + 7	29.05

23.Number of tenants and shops	Tenements - 1120
24.Number of expected residents / users	5600
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)	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	constructed work (FSI+ Non FSI): 16,993.59 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	NA	NA	NA	NA

32.Total Water Requirement

Dry season:	**Source of water**	Grampanchayat Koragaon Mul
	Fresh water (CMD):	513 KLD
	Recycled water - Flushing (CMD):	252 KLD
	Recycled water - Gardening (CMD):	60 KLD
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	885 KLD
	Fire fighting - Underground water tank(CMD):	400 KLD
	Fire fighting - Overhead water tank(CMD):	20 KL
	Excess treated water	377 KLD
Wet season:	**Source of water**	Grampanchayat Koragaon Mul
	Fresh water (CMD):	513 KLD
	Recycled water - Flushing (CMD):	252 KLD
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	885 KLD
	Fire fighting - Underground water tank(CMD):	400 KLD
	Fire fighting - Overhead water tank(CMD):	20 KL
	Excess treated water	437 KLD

Details of Swimming pool (If any)	Dimension of Swimming Pool: Area of swimming pool – 50 ft x 20 ft x 4 ft Total water Requirement: 50 KL Water requirement for make up in KLD: 2 KL Details of Plant & Machinery used for treatment of Swimming pool water: high rate sand filters, filter media, Self Priming pump, Control panel for pump, Vacuum fitting Chemicals required for maintaining the Swimming Pool TCCA (Trichloro icocynuric Acid) granules. Disinfection by: Chlorination Details of quality to be achieved 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

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	513 KLD	513 KLD	NA	51 KLD	51 KLD	NA	462 KLD	462 KLD
Gardening	NA	60 KLD	60 KLD	NA	60 KLD	60 KLD	NA	NA	NA

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	8 m (Under rainy conditions), Below 56,mtr (Confined Aquifer)
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	21
	Size of recharge pits :	1.5 m x 1.5 m x 1.5 m
	Budgetary allocation (Capital cost) :	4.94 Lakh
	Budgetary allocation (O & M cost) :	0.39 Lakh/yr
	Details of UGT tanks if any :	Domestic UG tank Capacity: 384750 Lit Treated Water UG tank Capacity: 384750 Lit Fire UG tank Capacity: 400000 Lit

35.Storm water drainage	**Natural water drainage pattern:**	As per Contour
	Quantity of storm water:	30.64 cum/min
	Size of SWD:	600 mm

Sewage and Waste water	**Sewage generation in KLD:**	689 KLD
	STP technology:	Fluidized Aerobic Bioreactor (FAB)
	Capacity of STP (CMD):	STP 1 - 320 KLD, STP 2 - 400 KLD
	Location & area of the STP:	As per Layout
	Budgetary allocation (Capital cost):	149 Lakh
	Budgetary allocation (O & M cost):	20 Lakh/yr.

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 for filling material for plinth area & top soil for Landscaping
Waste generation in the operation Phase:	**Dry waste:**	980 kg/day
	Wet waste:	1596 Kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	44 Kg/day
	Others if any:	NA
Mode of Disposal of waste:	**Dry waste:**	Through Authorized Vendor
	Wet waste:	Through mechanized composting unit
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as manure
	Others if any:	NA
Area requirement:	**Location(s):**	As per Layout
	Area for the storage of waste & other material:	20 sq.m for Storage of Waste, 285 sq.m for other material
	Area for machinery:	40 sq.m for machinery
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	42 Lakh
	O & M cost:	20 Lakh/yr

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	Not applicable	7 -7.5	6.5 - 7.5	NA
2	TSS	mg/l	200 -300	< 10	Not to Exceed 50 mg/l
3	BOD	Not applicable	200 - 300	< 10	Not to Exceed 10 mg/l

4	COD	Not applicable	350 - 400	< 50	Not to Exceed 100 mg/l
5	TDS	Not applicable	-------	< 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	NA	NA	NA	NA	NA	NA

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	LSD	NA	45 Lit. for 100 % loading	45 Lit. for 100 % loading

41.Source of Fuel	NA
42.Mode of Transportation of fuel to site	NA

43.Green Belt Development

Total RG area :	7581.06 sq.m
No of trees to be cut :	NA
Number of trees to be planted :	1171
List of proposed native trees :	As per below list
Timeline for completion of plantation :	2 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	Ailanthus excelsa	Maharukh	27	Medicinal value, Drought tolerant species.

2	Albizia lebek	Shirish	24	Medicinal for Skin, Fragrant flowers, To control soil erosion, Bird attracting species (Parakeets eat seeds).
3	Anthocephalus kadamba	Kadamb	28	Medicinal value, To control soil erosion, Birds, squirrels, monkey eat fruits.
4	Azardirachta indica	Neem	82	Medicinal value, To control soil erosion. To improve soil erosion
5	Bauhinia blackiana	Kanchanraj	28	Every part of the plant is medicinal, Drought tolerant species.
6	Bauhinia purpurea	Gulabi kanchan	25	Every part of the plant is medicinal, Drought tolerant species.
7	Butea monosperma	Palas	23	Medicinal value, Bird attracting species , To control soil erosion.
8	Cassia fistula	Bahawa	24	Medicinal value, Drought tolerant species, Very ornamental, Well flowering plant, Honey bee attracting species, Host plant for Butterfly.
9	Choclospermum religiosum	Sonsawar	24	Medicinal value, Native species
10	Cordia dichotoma	Bhokar	24	Medicinal value, Edible fruits,
11	Dalbergia sissoo	Shisav	71	Medicinal value, Bird attracting species ,
12	Ficus arnottiana	Payar	23	Drought tolerant species, Bird attracting species. To control soil erosion.
13	Ficus glomerata	Umber	19	Medicinal value, Edible fruits, Bird attracting species
14	Ficus retusa	Nandruk	20	Medicinal value, Bird attracting species, Drought tolerant species, Hardy plant.
15	Phyllanthus emblica	Awala	16	Medicinal value, To control soil erosion.
16	Mangifera indica	Mango	27	Edible fruit, Bird attracting species.
17	Michelia champaca	Sonchaffa	23	Medicinal value, Fragrant flowers, Butterfly larvae host plant, Bird attracting species, Fast growing.
18	Pongamia pinnata	Karanj	20	Medicinal value, Drought tolerant species, To control soil erosion, Hardy plant.
19	Saraca indica	Sita-ashok	20	Medicinal value, Religious plant.
20	Syzygium cumini	Jamun	11	Medicinal value, Edible fruit.
21	Bahunia racemosa	Apta	51	Every part of the plant is medicinal, Drought tolerant species.
22	Caryota urens	Fishtail palm	64	Grown in any type of soil. Very Hardy.
23	Citrus species	Lemon	51	Medicinal value, Edible fruit.

24	Erythrina indica	Pangara	55	Fragrant flowers, Drought tolerant species, Birds attracting
25	Gmelina arborea	Shivan	59	Medicinal value, Drought tolerant species, Bird attracting species.
26	Mimosups elengii	Bakul	46	Fragrant flowers, Medicinal value, To control soil erosion.
27	Murraya koengii	Kadipatta	66	Medicinal value, Edible leaves.
28	Aegle marmelos	Bel	51	Medicinal value, Drought tolerant species,
29	Nyctanthus arbortristis	Parijatak	53	Fragrant flowers, Medicinal value,
30	Putrnjiva roxburghii	Putrnjiva	51	Medicinal value, Drought tolerant species,
31	Roystonia regia	Bottle palm	65	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	40 KVA
	During Operation phase (Connected load):	4319.2 KW
	During Operation phase (Demand load):	3455.36 KW
	Transformer:	630 KVA x 7 Nos.
	DG set as Power back-up during operation phase:	200 KVA x 2 Nos.
	Fuel used:	45 lit. for 100 % loading
	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 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 energy saved in club house & external lightning	3.44 KW
2	Through solar water heating	2130 KW
3	CFL Lights	43.2 KW
4	Total Energy Saving	2176.64 KW

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Sewage generation	NA	Sewage Treatment Plant
Wet waste	NA	OWC

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	22 Lakh
	O & M cost:	1.5 Lakh/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	Erosion control: Dust suppression measures & barricading	Dust suppression through water sprinkler	7.0
2	Site Safety	Nets & Baricades	15.0
3	Site Sanitation	Public toilets for workers	12.0
4	Disinfection & health check up	Sparing of pesticides & health camp for workers	3.0
5	Environmental Monitoring	Monitoring of Air, Noise & analysis of Water , Soil	2.5

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	Treatment on Waste water	169.5	21.0
2	Rain Water Harvesting	Collection of rain water	4.94	0.39
3	Storm Water Management	Recharging of storm water to increase ground water level	150.0	1.5

4	Solid Waste Management	Treatment on wet waste	42.0	20.0
5	Landscape	To maintain greenery	164.0	27.0
6	Solar Water Heater	Saving of Electrical energy	280.0	2.0
7	Solar PV Lights	Saving of Electrical energy	22.0	1.5
8	Swimming Pool	---	15.0	5.0
9	Environmental Management	Maintenance of STP, OWC, UGT	----	2.0
10	Safety Training & Awareness	Safety Training & Awareness program for workers	5.0	----
11	Water Supply through Tanker	In absence of Grampanchayat water supply	----	18.0

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:	2

Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	Cover parking area - 9760 sq.m, Open parking area - 2240 sq.m , Total Parking area - 12000 sq.m
	Area per car:	30 sq.m
	Area per car:	30 sq.m
	Number of 2-Wheelers as approved by competent authority:	400 Nos.
	Number of 4-Wheelers as approved by competent authority:	400 Nos.
	Public Transport:	NA
	Width of all Internal roads (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) 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

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for Residential Construction Project at Gat No. 524, Koregaon Mul, Urulikanchan by Mr. Sushil Agarwal.

PP submitted their application for prior Environmental clearance for total plot area of 76900 Sq. Mtrs, BUA of 77176.55 Sq. Mtrs and FSI area of 62259.31 Sq. Mtrs and Non FSI 14917.24 sq mtrs. PP proposes to construct 20 no of residential buildings.

DECISION OF SEAC

PP remains absent, hence committee decided to defer the proposal.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

SEAC Meeting number: 72 **Meeting Date** September 30, 2018

Subject: Environment Clearance for Proposed Residential Buildings is located at Kagal, property bearing C.S No. 425/1A, 1B & 1C at Village Kagal, Dist. Kolhapur.

Is a Violation Case: No

1.Name of Project	Maharashtra Housing and Area Development Authority
2.Type of institution	Government
3.Name of Project Proponent	Mr. Vivek Patil
4.Name of Consultant	Building Environment India Pvt Ltd
5.Type of project	MHADA
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	C.S No. 425/1A, 1B & 1C at Village Kagal, Dist. Kolhapur.
9.Taluka	Kagal
10.Village	Kagal
Correspondence Name:	Maharashtra Housing and Area Development Authority
Room Number:	--
Floor:	--
Building Name:	Maharashtra Housing and Area Development Authority
Road/Street Name:	Agarkar Nagar
Locality:	Behind Alankar Theatre
City:	Pune
11.Area of the project	Kagal Municipal Council
12.IOD/IOA/Concession/Plan Approval Number	Not applicable
	IOD/IOA/Concession/Plan Approval Number: Not applicable
	Approved Built-up Area: 36200
13.Note on the initiated work (If applicable)	Construction activity not yet started
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	MHADA
15.Total Plot Area (sq. m.)	36200
16.Deductions	12737
17.Net Plot area	23463
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 31002
	b) Non FSI area (sq. m.): --
	c) Total BUA area (sq. m.): 31002
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 31002
	Approved Non FSI area (sq. m.): --
	Date of Approval: 01-01-1900
19.Total ground coverage (m2)	6236
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	26.57
21.Estimated cost of the project	720514868

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	27 nos. of EWS Buildings	Ground + 3rd Floors	12.0
2	8 nos. of LIG Buildings	Plinth + 7th Floors	23.8
3	1 nos. of LIG Buildings	Plinth + 7th Floors	23.8

23.Number of tenants and shops	Flats: 684 Nos. Shops: NA
24.Number of expected residents / users	3420 Nos
25.Tenant density per hectare	190.00 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)	Project site adjecent to the SH -129 & MIDC fire station is approximately 4.15 KM
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	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

Dry season:	**Source of water**	Kagal Municipal Council
	Fresh water (CMD):	308.00
	Recycled water - Flushing (CMD):	154.00
	Recycled water - Gardening (CMD):	20.00
	Swimming pool make up (Cum):	--
	Total Water Requirement (CMD) :	482.40
	Fire fighting - Underground water tank(CMD):	--
	Fire fighting - Overhead water tank(CMD):	--
	Excess treated water	199.36
Wet season:	**Source of water**	Kagal Municipal Council, RWH Tank
	Fresh water (CMD):	--
	Recycled water - Flushing (CMD):	--
	Recycled water - Gardening (CMD):	--
	Swimming pool make up (Cum):	---
	Total Water Requirement (CMD) :	--
	Fire fighting - Underground water tank(CMD):	--
	Fire fighting - Overhead water tank(CMD):	--
	Excess treated water	--
Details of Swimming pool (If any)	--	

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:**	5-6 M below ground level.
	Size and no of RWH tank(s) and Quantity:	--
	Location of the RWH tank(s):	--
	Quantity of recharge pits:	Total 30 nos. of recharge pits
	Size of recharge pits :	Total 30 nos. of recharge pits with 1 m X 1 m X 3m depth
	Budgetary allocation (Capital cost) :	2400000
	Budgetary allocation (O & M cost) :	200000
	Details of UGT tanks if any :	Underground Level
35.Storm water drainage	**Natural water drainage pattern:**	The arrangement for disposal of SW through and from the plot as per the SW department, Kagal Municipal Corporation.
	Quantity of storm water:	0.15 M3/SEC
	Size of SWD:	800 mm wide with 1:300 slope
Sewage and Waste water	**Sewage generation in KLD:**	416.00 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	1 No. of STP of capacity 430 KLD
	Location & area of the STP:	On Ground
	Budgetary allocation (Capital cost):	8800000
	Budgetary allocation (O & M cost):	800000
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Total 1550.11 Tonnes construction waste will be generated from the proposed project
	Disposal of the construction waste debris:	Total 1550.11 Tonnes construction waste will be generated from the proposed project . out of which 30 % waste i.e. 465.03 tonnes will be reused on site & remaining waste i.e. 1085.08 will be handed over to proper disposal.
Waste generation in the operation Phase:	**Dry waste:**	462 Kg/day
	Wet waste:	1193 Kg/day
	Hazardous waste:	Cannot be quantified at this stage as this is a residential project.
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	104 Kg/day
	Others if any:	Not applicable

Mode of Disposal of waste:	**Dry waste:**	Handed over to Kagal Municipal Corporation
	Wet waste:	OWC & used at site / as manure
	Hazardous waste:	Shall be handed over to authorized common hazardous waste disposal site
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Used as manure within the premises for plants. Excess shall be sold /handover to outside parties or gardens.
	Others if any:	Not applicable
Area requirement:	**Location(s):**	On Ground
	Area for the storage of waste & other material:	Total Area Required for Waste Management Processing for the Project = 165 sqm
	Area for machinery:	OWC 500 = 3m x 4 m = 12 Sq.m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	1800000
	O & M cost:	1.800000

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

43.Green Belt Development	**Total RG area :**	3692.73 Sq.mt
	No of trees to be cut :	Not applicable
	Number of trees to be planted :	Total 460 nos. of trees to be planted on project site.
	List of proposed native trees :	Nandruk ,Palas, Kadamb, Neem, Sita ashok, Apta ,Fish tail palm, Son chafa, Bhava, Parijatak ,Bakul, Satwin , Ailanthus excelsa & Karanj.
	Timeline for completion of plantation :	3 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	Ficus retusa	Nandruk	40	Shady tree, good for roadside plantation
2	Butea monosperma	Palas	30	Medium sized deciduous tree. Beautiful orange flowers, Butterfly host plant
3	Anthocephalus cadamba	Kadamb	30	Shady, large deciduous tree, fastgrowing graceful tree, ball shaped flowers.
4	Azadirachta indica	Neem	50	Semi-evergreen tree with medicinal value
5	Saraca indica	Sita ashok	40	Shady tree with red-yellow flowers.
6	Bauhinia racemosa	Apta	20	Small tree with small white flowers, Butterfly host plant
7	Caryota urens	Fish tail palm	20	Tall evergreen tree
8	Michelia champaca	Son chafa	40	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
9	Cassia fistula	Bhava	30	Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plant
10	Nyctanthes arbor-tristis	Parijatak	40	It is a shrub or a small tree growing to 10 m (33 ft) tall, with flaky grey bark.
11	Mimusops elengi	Bakul	30	It is a medium-sized evergreen tree
12	Alstonia scholaris	Satwin	30	It is an evergreen tropical tree in the family Apocynaceae.
13	Ailanthus excelsa	Maharukh	30	Large tree, good for roadside plantation
14	Pongamia pinnata	Karanj	30	It is one of the few nitrogen fixing trees to produce seeds containing 30-32% oil.
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 :**	MSEB
	During Construction Phase: (Demand Load)	--
	DG set as Power back-up during construction phase	--
	During Operation phase (Connected load):	1368.00 KW
	During Operation phase (Demand load):	1368.00 KW
	Transformer:	--
	DG set as Power back-up during operation phase:	Total 3 no. of DG Set will be provided for the project. Out of which 2 DG set of capacity 500 KVA each & 1 DG set of capacity 1000 KVA will be provided. DG Set will be provided as per CPCB Norms.
	Fuel used:	DIESEL
	Details of high tension line passing through the plot if any:	NOT APPLICABLE

48.Energy saving by non-conventional method:

? Use of high reflective coatings on the terraces provides a layer of heat insulation to reduce heat gain through roofs.
? Emergency lighting will be provided with DG set.
? Green areas and open areas will be so spaced that a reduction in temperature is achieved.
? Use of energy efficient lamps such as CFL/ LED & appliances in compliance with ECBC

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	? Use of high reflective coatings on the terraces provides a layer of heat insulation to reduce heat gain through roofs. ? Emergency lighting will be provided with DG set. ? Green areas and open areas will be so spaced that a reduction in temperature is achieved. ? Use of energy efficient lamps such as CFL/ LED & appliances in compliance with ECBC	35.69 %

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:**	45.50000
	O & M cost:	300000

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	1	PPE	5.0

2	2	Site Sanitation Facility	4.0
3	3	Drinking water facility	2.0
4	4	Solid Waste Management	2.5
5	5	Safety railing, platform, ladder, hoist, Cranes etc.	6.0
6	6	House keeping	2.0
7	7	Health Check	1.0
8	8	Environmental Monitoring	1.5
9	9	TOTAL	24

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	1	STP	18.00	1.8
2	1	Rain water harvesting	24.00	2.00
3	1	Gardening	2.66	0.11
4	1	Energy Saving	45.50	3.00
5	1	Cost for Treatment of biodegradable garbage in SWM	18.00	1.80
6	1	Environmental Monitoring	MOEF approved agency for monitoring	16.39
7	1	DMP	428.07	25.79
8	1	Total	536.23	50.89

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

Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	---
	Area per car:	13.75
	Area per car:	13.75
	Number of 2-Wheelers as approved by competent authority:	252 NOS.
	Number of 4-Wheelers as approved by competent authority:	70 NOS.
	Public Transport:	NA
	Width of all Internal roads (m):	6-9 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	Category B2 of Projects and activity number 8(a) – Building & Construction Projects
	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

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for Proposed Residential Buildings is located at Kagal, property bearing C.S No. 425/1A, 1B & 1C at Village Kagal, Dist. Kolhapur by Mr. Vivek Patil.

PP submitted their application for prior Environmental clearance for total plot area of 36200 Sq. Mtrs, BUA of 31002 Sq. Mtrs and FSI area of 31002 Sq. Mtrs. PP proposes to construct 27 no of EWS buildings, 9 no of LIG buildings.

DECISION OF SEAC

PP remains absent, hence committee decided to defer the proposal.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

72 nd Agenda of SEAC-3 (Day-1)

SEAC Meeting number: 72 **Meeting Date** September 30, 2018

Subject: Environment Clearance for LIGO INDIA PROJECT (AREA DEVELOPMENT PROJECT)

Is a Violation Case: No

1.Name of Project	LASER INTERFEROMETER GRAVITATIONAL WAVE OBSERVATORY (LIGO - INDIA)
2.Type of institution	Government
3.Name of Project Proponent	DIRECTORATE OF CONSTRUCTION, SERVICES & ESTATE MANAGEMENT (DCSEM)
4.Name of Consultant	B. S. ENVI - TECH PRIVATE LIMITED, SECUNDERABAD, TELANGANA STATE.
5.Type of project	Township or others
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	220,221,222,223,224 of Siddheshwar village, 420, 414, 413, 408, 397, 396, 399, 400, 401 435, 434, 406, 407, 391 425, 412 of Dughala village, 42 of Anjanawada, 65, 75 of Nandgaon village and 382 Savli (Bahenarav).
9.Taluka	Aundha (Nagnath)
10.Village	Dughala Village, Anjanwada Village, Siddheshwar Village, Nandgaon Village & Sawli (B) villages
Correspondence Name:	J. N. NAGARAJ Project Architect (R) (Authorized Signatory)
Room Number:	4N01
Floor:	4th floor
Building Name:	North Wing
Road/Street Name:	V.S.Bhavan
Locality:	Anushaktinagar
City:	Mumbai
11.Area of the project	Municipal/other area
12.IOD/IOA/Concession/Plan Approval Number	District Collector, Hingoli.
	IOD/IOA/Concession/Plan Approval Number: In process
	Approved Built-up Area: 64105
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.)	428.10 Ac (173.25 Ha) - 17,32,500.00 Sq.m
16.Deductions	Nil
17.Net Plot area	17,32,500.00 Sq.m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 64105
	b) Non FSI area (sq. m.): 0.00
	c) Total BUA area (sq. m.): 64105
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)	59,515.00
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	3.435
21.Estimated cost of the project	12600000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Beam Tube Enclosure (BTE) on Arm – X	Tube length 4km	3.30
2	Beam Tube Enclosure (BTE) on Arm - Y	Tube length 4km	3.30
3	LVEA Building	1	19.25
4	SCBS Building	2	18.05
5	Administration Building	2	11.55
6	Site Office Building	1	3.60
7	ME&EP Building - 01	1	19.25
8	ME&EP Building - 02	1	19.25
9	Electrical Panel Room - 01	1	6.75
10	OSB Building	1	8.25
11	Sub Station & Chiller Yard Building	1	9.95
12	Main Entrance Guard House	1	4.60
13	Service Entrance Guard House	1	4.60
14	UG Tank & Pump Room	1	5.15
15	STP Building	1	7.00
16	VEA Building (END Station - X)	1	19.10
17	Sub Station & Chiller Yard Building (END Station - X)	1	9.95
18	UG Tank & Pump Room (END Station - X)	1	5.15
19	VEA Building (END Station - Y)	1	19.10
20	Sub Station & Chiller Yard Building(END Station - Y)	1	9.95
21	UG Tank & Pump Room(END Station - Y)	1	5.15
22	Mid Station-X Valve Room	1	14.75
23	Mid Station-Y Valve Room	1	14.75

23.Number of tenants and shops	NA
24.Number of expected residents / users	629 users
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)	NA

28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	12 m width
29.Existing structure (s) if any	Nil
30.Details of the demolition with disposal (If applicable)	Nil

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**	Siddheshwar Dam and Bore wells
	Fresh water (CMD):	642.79
	Recycled water - Flushing (CMD):	Nil
	Recycled water - Gardening (CMD):	81.87
	Swimming pool make up (Cum):	Nil
	Total Water Requirement (CMD) :	724.66
	Fire fighting - Underground water tank(CMD):	1
	Fire fighting - Overhead water tank(CMD):	Nil
	Excess treated water	Nil

Wet season:	**Source of water**	Siddheshwar Dam and Bore wells
	Fresh water (CMD):	642.79
	Recycled water - Flushing (CMD):	Nil
	Recycled water - Gardening (CMD):	81.87
	Swimming pool make up (Cum):	Nil
	Total Water Requirement (CMD) :	724.66
	Fire fighting - Underground water tank(CMD):	1
	Fire fighting - Overhead water tank(CMD):	Nil
	Excess treated water	Nil
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	NA	724.66	724.66	NA	20.47	20.47	NA	102.34	102.34

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	200 m
	Size and no of RWH tank(s) and Quantity:	Two Nos. of Rain water Harvesting pond (30,450 cu.m)
	Location of the RWH tank(s):	In Corner Station area
	Quantity of recharge pits:	Nil
	Size of recharge pits :	Nil
	Budgetary allocation (Capital cost) :	600 Lakhs
	Budgetary allocation (O & M cost) :	60 Lakhs
	Details of UGT tanks if any :	Nil
35.Storm water drainage	**Natural water drainage pattern:**	Will not be Disturbed
	Quantity of storm water:	3,84,248 cu.m / annum
	Size of SWD:	NA

Sewage and Waste water	**Sewage generation in KLD:**	102.34
	STP technology:	RBC Technology
	Capacity of STP (CMD):	3 x 11.5 KLD and 2 x 34.5 KLD
	Location & area of the STP:	875.00 Sq.m
	Budgetary allocation (Capital cost):	200 lakhs
	Budgetary allocation (O & M cost):	20 Lakhs

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Cut and Fill 19,56,650 Cum
	Disposal of the construction waste debris:	Reused for leveling
Waste generation in the operation Phase:	**Dry waste:**	109.35 kg/day
	Wet waste:	6494.40 kg/day
	Hazardous waste:	Nil
	Biomedical waste (If applicable):	Nil
	STP Sludge (Dry sludge):	25.51 Kg/day
	Others if any:	Nill
Mode of Disposal of waste:	**Dry waste:**	To local vendors / municipality
	Wet waste:	sent to organic waste converter for composting.
	Hazardous waste:	Nil
	Biomedical waste (If applicable):	Nil
	STP Sludge (Dry sludge):	Used as manure for green belt and land scape
	Others if any:	Nil
Area requirement:	**Location(s):**	With in Corner Station
	Area for the storage of waste & other material:	Near STP
	Area for machinery:	Near STP
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	80 Lakhs for Organic Waste Converter (OWC)
	O & M cost:	8 Lakhs for Organic Waste Converter (OWC)

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	2 No 750 kVA DG sets	HSD	NA	5.5 above building height	0.25 m	300 Deg C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	NA	5000 lts	5000 lts
41.Source of Fuel		from oil company dealer outlets		
42.Mode of Transportation of fuel to site		By Tankers		

43.Green Belt Development	**Total RG area :**	Green belt area 3,840 Sq.m and land scape area 1,92,580.00 Sq.m
	No of trees to be cut :	Nil
	Number of trees to be planted :	300 to 500 trees in green belt of Corner Station
	List of proposed native trees :	yesS.No Species Name Family Common Name (Marathi) Habitat 1 Abutilon indicum Linn. Malvaceae Chakrabhenda Shrub 2 Acacia auriculiformis A. cunn Mimoseae akashia Tree 3 Acacia catechu, Willd Mimoseae khair Shrub 4 Acacia leucophloea Willd Mimoseae Hewar Shrub 5 Acacia nilotica (Linn) Willd Mimoseae Vedibabul Tree 6 Acacia pennata Wild Mimoseae Shembarati Tree 7 Acacia polyacantha Wild Mimoseae ------- Tree 8 Acacia Senegal Wild Mimoseae Khair Tree 9 Acacia tortilis Hayne Mimoseae ---------- Tre
	Timeline for completion of plantation :	3 years form completion of construction of LIGO buildings.

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	Azadirachita indica A. Juss	Limba	100	Native Species
2	Derris indica (Lam.) Bennett	Karanja	50	Native Species
3	Diospyros melanoxylon Roxb	Tendu	50	Native Species

4	Eucalyptus hybrid	nilgiri	50	Native Species
5	Saracaa ashoka Roxb, De Wilde	Asoka	50	Native Species
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	Nil	Nil	Nil

47.Energy

Power requirement:	**Source of power supply :**	MAHATRANSCO
	During Construction Phase: (Demand Load)	500 kVA
	DG set as Power back-up during construction phase	1x62.5 kVA
	During Operation phase (Connected load):	5 MW
	During Operation phase (Demand load):	8 MW
	Transformer:	Nil
	DG set as Power back-up during operation phase:	2x750 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	Nil

48.Energy saving by non-conventional method:

Implementation of 500 KWp solar photo voltaic system from roof top areas.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	LED bulbs, VVVF motors building management system	Nil

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	500 Lahks for Solar photo voltaic
	O & M cost:	40 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	PPE, Barricading, Safety Equipment etc.,	Nil	390

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	1	Sewage Treatment Plants (5 Nos.)	200	20
2	2	Green belt	17	1
3	3	Landscaping	106	9
4	4	Storm water drains	500	40
5	5	Rain Water Harvesting	600	60
6	6	Organic waste converter (2 No. OWC 500)	80	8
7	7	Monitoring of Environmental parameters	-	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
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:	NA

Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	3400 Sq.m
	Area per car:	28 Sq.m
	Area per car:	28 Sq.m
	Number of 2-Wheelers as approved by competent authority:	118 (2/4 Wheelers)
	Number of 4-Wheelers as approved by competent authority:	NA
	Public Transport:	Bus facility will be provided
	Width of all Internal roads (m):	9 - 12
	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	None
	Other Relevant Informations	Nil
	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

Environment Clearance for LIGO INDIA PROJECT (AREA DEVELOPMENT PROJECT) at 220,221,222,223,224 of Siddheshwar village, 420, 414, 413, 408, 397, 396, 399, 400, 401 435, 434, 406, 407, 391 425, 412 of Dughala village, 42 of Anjanawada, 65, 75 of Nandgaon village and 382 Savli (Bahenarav) by DIRECTORATE OF CONSTRUCTION, SERVICES & ESTATE MANAGEMENT (DCSEM).

PP submitted their application for prior Environmental clearance for total plot area of 17,32,500.00 Sq. Mtrs, BUA of 64105 Sq. Mtrs and FSI area of 64105 Sq. Mtrs. PP proposes to construct 2 Beam tube enclosures, LEVA building, SCBS building, Administrative building, site office building, 2 ME&EP buildings, Electrical panel room, OSB building, 3 Sub stations and a Chiller yard buildings , Main and Service Entrance Guard houses, 2 UG tanks and pump rooms, STP building, 2 VEA buildings and 2 Mid-section valve rooms.

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

Specific Conditions by SEAC:

1) PP to obtain forest clearance.
2) PP to submit details of Storm water Drain up to final disposal point.
3) PP to submit hydro-geological report along with RWH recharge pit.
4) PP to submit design details of OWC.
5) PP to submit parking layout plan.
6) PP to submit revised water balance chart for wet season.
7) PP to submit water supply NOC.
8) PP to submit an indemnity bond for project land.
9) PP to submit landscape plan.
10) PP to submit debris disposal management plan.
11) PP to submit Disaster Management Plan.
12) PP to submit energy saving calculation along with details of renewable energy source .i.e. Solar Energy.
13) PP to submit STP design details.
14) PP to submit details of CER activities in consultation with the affected people in the project area as per MoEF & CC circular dated 1/05/2018.
15) PP to submit agreement with Municipal Corporation regarding solid waste disposal.

FINAL RECOMMENDATION

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

72 nd Agenda of SEAC-3 (Day-1)

SEAC Meeting number: 72 **Meeting Date** September 30, 2018

Subject: Environment Clearance for Application for Amendment in Environmental Clearance for proposed Residential project at Chakan, Pune

Is a Violation Case: No

1.Name of Project	Residential Project by M/s. Xrbia Chakan Developers Pvt. Ltd.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Veer Bharati Kouls - M/s. Xrbia Chakan Developers Pvt. Ltd.
4.Name of Consultant	Mahabal Enviro Engineers Pvt. Ltd.
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	Amendment in existing residential project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes, We have obtained Environmental Clearance for Residential project vide no. SEAC-III/CR 277/TC-3 dated 28 January, 2016
8.Location of the project	Gat no. 1438 (3159), 1440 (1361), 1441 (3162), 1443 (3164), 1445 (3166), 1446 (3167), 1447 (3168), 1448 (3169), 1449 (3170), 1450/1 (3171), 1450/2 (3171), 1451 (3172), 1454(P) (3227), 1455 (3176), 1458 (3179), 1459 (3180), 1461 (3182), 1462 (3183), 1463 (3184), 1464 (3185), 1465 (3186), 1466 (3187), 1467 (3188), 1468 (3190), 1469 (3191), 1470 (3189), 1474 (3195), 1477 (3198), 1478 (3199), 1479(P) (3200), 1525 (3234), 1526(P) (3233), 1527/1 (3217/1), 1527/2 (3217/2), 1527/3 (3217/3), 1534 (3204), 1535 (3205), 1537 (3208), 1540 (3211), 1545 (3218), 1549 (3222), 1550 (3223) of village Chakan, Tal Khed, District Pune.
9.Taluka	Khed
10.Village	Chakan
11.Area of the project	Chakan Grampanchayat
12.IOD/IOA/Concession/Plan Approval Number	IOD applicable
	IOD/IOA/Concession/Plan Approval Number: Cha.Na/Ba.Pa/Ka.Vi/6648/17 dated 02.03.2017
	Approved Built-up Area: 49342.50
13.Note on the initiated work (If applicable)	Construction work completed as per EC received vide no. SEAC-III/CR 277/TC-3 dated 28 January, 2016 (i.e. upto total constrction area 59,118.80 m2)
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	53,750 m2
16.Deductions	8,062.50 m2
17.Net Plot area	45,687.50 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 49,307.98 m2
	b) Non FSI area (sq. m.): 35,437.16 m2
	c) Total BUA area (sq. m.): 84745.14
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	7,959.74 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	17%
21.Estimated cost of the project	1764100000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building A1	P + 12	36.90
2	Building A2	P + 12	36.90

3	Building A3	P + 12	36.90
4	Building A4	P + 12	36.90
5	Building A5	P + 4	14.50
6	Building C1	P+12	36.90
7	Building B1	P+12	36.90
8	Building E1	P+6	20.30
9	Building D1	P+6	20.30
10	Building C2	P+11	34.05
11	Building C3	P+11	34.05
12	Building C4	P+11	34.05
13	Building C5	P+11	34.05
14	Building C6	Parking	2.70
15	Building C7	Parking	2.70

23.Number of tenants and shops	Tenants - 1,624 nos.
24.Number of expected residents / users	8,120 nos.
25.Tenant density per hectare	355 /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)	6m & 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 has been initiated as per EC received vide no. SEAC-III/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

Dry season:	**Source of water**	Chakan Grampanchayat
	Fresh water (CMD):	734
	Recycled water - Flushing (CMD):	362 m3/day
	Recycled water - Gardening (CMD):	27 m3/day
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	1,096 m3/day
	Fire fighting - Underground water tank(CMD):	200 m3
	Fire fighting - Overhead water tank(CMD):	10 m3
	Excess treated water	913 m3/day
Wet season:	**Source of water**	Chakan Grampanchayat
	Fresh water (CMD):	734
	Recycled water - Flushing (CMD):	362 m3/day
	Recycled water - Gardening (CMD):	13 m3/day
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	1,096 m3/day
	Fire fighting - Underground water tank(CMD):	200 m3
	Fire fighting - Overhead water tank(CMD):	10 m3
	Excess treated water	913 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

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:	18 nos.
	Size of recharge pits :	2.0 m X 2.0 m X 2.0 m
	Budgetary allocation (Capital cost) :	Rs. 18.00 Lakh
	Budgetary allocation (O & M cost) :	Rs. 1.00 Lakh/year
	Details of UGT tanks if any :	Domestic UG tank - 1,096 m3 Flushing UG tank - 182 m3 Fire UG tank - 200 m3
35.Storm water drainage	**Natural water drainage pattern:**	along with road side nalla.
	Quantity of storm water:	21,961.334 m3/Year i.e. 422.333 m3/day considering 695.80 mm
	Size of SWD:	600 mm x 600 mm to 1000 mm x 1000 mm
Sewage and Waste water	**Sewage generation in KLD:**	932 m3/day
	STP technology:	MBBR
	Capacity of STP (CMD):	2 no. of having capacities 638 m3/day & 294 m3/day (Total Capacity 932 m3/day)
	Location & area of the STP:	STP area 391 m2
	Budgetary allocation (Capital cost):	Rs.79 lakh
	Budgetary allocation (O & M cost):	Rs. 6.5 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:	5000 m3
Waste generation in the operation Phase:	**Dry waste:**	2,558 kg/day
	Wet waste:	1,096 kg/day
	Hazardous waste:	Negligible
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	9 kg/day
	Others if any:	NA

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:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Dry sludge can be used as manure for plantation & gardening purposes inside the premise.
	Others if any:	NA
Area requirement:	**Location(s):**	Near STP 1
	Area for the storage of waste & other material:	11 m
	Area for machinery:	21 m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 14 lakh
	O & M cost:	Rs. 1 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		

43.Green Belt Development	**Total RG area :**	5,375 m2
	No of trees to be cut :	NA
	Number of trees to be planted :	750 nos.
	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	90	Shady tree, yellowish green fragrant flowers
2	Ailanthus excels	Maharukh	85	Large tree, good for roadside plantation
3	Ficus retusa	Nandruk	40	Shady tree, good for roadside plantation
4	Saraca asoka	Sita Ashok	40	Shady tree with red-yellow flowers.
5	Anthocephallus cadamba	Kadamb	90	Shady large tree, ball shaped flowers.
6	Cassia fistula	Bahava	30	Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plant.
7	Mimusops elengi	Bakul	50	Shady tree, small white fragrant flowers.
8	Nyctanthes arbortristis	Parijatak	50	Small deciduous fats growing tree, beautiful flowers.
9	Lagerstroemia flos-regineae	Tamhan	50	State flower tree of Maharashtra. Medium sized tree, beautiful purple flowers.
10	Murraya paniculata	Kunti	35	Small tree, Fragrant white flowers, Butterfly host plant.
11	Gmelina arborea	Shivan	40	Fast growing tree with beautiful yellow flowers
12	Bauhinia racemosa	Apta	50	Small tree with small white flowers, Butterfly host plant
13	Caryota urens	Fish tail palm	50	Tall evergreen tree
14	Michlia champaca	Son chafa	50	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
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)	250 kVA
	DG set as Power back-up during construction phase	125 kVA x 1, 82.5 kVA x 1 & 62.5 kVA x 1
	During Operation phase (Connected load):	2146 KW
	During Operation phase (Demand load):	2683 KW
	Transformer:	5 x 630 kVA
	DG set as Power back-up during operation phase:	2 x 125 kVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	No

48.Energy saving by non-conventional method:

Solar PV panel
1% of total demand

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Energy saving measures: 1. LED in common areas. 2. Use of renewable energy. 3. Maximum day and light ventilation in all buildings. 4. Energy efficient pump and motors. 5. Energy efficient transformers. 6. Solar water heater	12%

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. 42 lakh
	O & M cost:	Rs. 2 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	1.8
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	2 no. of STPs having Capacity 932 m3/day	79.00	6.50
2	Solid Waste Management	Cost for Treatment of biodegradable garbage in OWC (--- nos.)	14.00	1.00
3	Landscape	Tree Plantation & Landscaping	55.00	6.50
4	Environmental Monitoring	Monitoring and analysis of Air and Noise, water, soil etc.	5.00	1.50
5	Energy Conservation	Solar street lighting	42.00	2.00
6	Rain Water Harvesting	18 no. of recharge pits	18.00	1.00

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 no.

Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	10,460.50 m2
	Area per car:	30 m including drive way
	Area per car:	30 m including drive way
	Number of 2-Wheelers as approved by competent authority:	2074 nos.
	Number of 4-Wheelers as approved by competent authority:	79 nos.
	Public Transport:	NA
	Width of all Internal roads (m):	6 m & 12 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	We have received previous Environment Clearance for residential project vide no. SEAC- III/CR 277/TC-3 dated 28 January, 2016 on the name of Goodland Landmarks Pvt Ltd . There is only change in the company name from Goodland Landmarks Pvt Ltd to Xrbia Chakan Developers Pvt Ltd. We will submit the name change letter to Environment Department, Govt of Maharashtra. And the acknowledgement copy of the same will be uploaded. We have submitted application on MoEF with proposal no. SIA/MH/NCP/19696/2016 datde 24.06.2017. Now, We are applying for Amendment in existing Environmental Clearance.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	24-06-2017

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for Application for Amendment in Environmental Clearance for proposed Residential project Gat no. 1438 (3159), 1440 (1361), 1441 (3162), 1443 (3164), 1445 (3166), 1446 (3167), 1447(3168), 1448 (3169), 1449 (3170), 1450/1 (3171), 1450/2 (3171), 1451 (3172), 1454(P) (3227),1455 (3176), 1458 (3179), 1459 (3180), 1461 (3182), 1462 (3183), 1463 (3184), 1464 (3185),1465 (3186), 1466 (3187), 1467 (3188), 1468 (3190), 1469 (3191), 1470 (3189), 1474 (3195),1477 (3198), 1478 (3199), 1479(P) (3200), 1525 (3234), 1526(P) (3233), 1527/1 (3217/1), 1527/2 (3217/2), 1527/3 (3217/3), 1534 (3204), 1535 (3205), 1537 (3208), 1540 (3211), 1545 (3218),1549 (3222), 1550 (3223) of village Chakan, Tal Khed, District Pune by M/s. Xrbia Chakan Developers Pvt. Ltd

PP submitted their application for modernization of earlier Environmental clearance for total plot area of 53750 Sq. Mtrs, BUA of 84745.14 Sq. Mtrs and FSI area of 49307.98 Sq. Mtrs and Non FSI area of 35,437.16 Sq. Mtrs. PP proposes to construct 13 no. residential buildings and 2 parking buildings.

DECISION OF SEAC

PP remains absent, hence committee decided to defer the proposal.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

72 nd Agenda of SEAC-3 (Day-1)

SEAC Meeting number: 72 **Meeting Date** September 30, 2018

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

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

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

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

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

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

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

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

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

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

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. (Violation case).

PP submitted their application for modernization of earlier Environmental clearance for total plot area of 47,800.00 Sq. Mtrs, BUA of 94131.25 Sq. Mtrs and FSI area of 51828.68 Sq. Mtrs and Non FSI area of 42302.57 sq mtrs. PP proposes to construct 8 no. Residential buildings, 1 commercial building +1 community hall+1 club house.

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.

The project received EC vide letter SEAC-2011/CR.616/TC.2 for built-up area of 35,539 m2 and total plot area of 47,700 m2.

As per the EC received the total construction area is 35,539 m2 and 46,246.90 m2 is constructed.

The proposal was registered under MoEF portal to EAC under Violation Section with proposal no IA/MH/NCP/65921/2017 dated: 04-07-2017.

DECISION OF SEAC

After deliberation, Committee hereby accords approval to the Terms of Reference 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. PP requested for time to submit above information.

Specific Conditions by SEAC:

1) PP to submit details of treatment /disposal of solid waste as per prevailing norms.
2) PP to submit Environmental status report clearly mentioning the mitigation measures undertaken already.
3) PP to resubmit traffic impact study.
4) PP to resubmit STP drawing.
5) PP to submit an indemnity bond for project land .
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 site specific EMP giving proper details and required steps taken for corrective action and who will look after the same.
8) PP to submit Socio -economic infrastructure available within vicinity land specially existing primary school, market hospital etc.
9) PP to submit NOC,s for Water supply, Disposal of solid waste, sewage connection to Municipal sewer pipeline and revised CFO NOC.
10) PP to submit energy saving calculations.
11) PP to submit undertaking that the Environment Engineers will be appointed.
12) PP to submit Fire Tender Movement Plan showing clear road width of 6 meters and turning radius of 9 meters ; PP to submit cross section of roads at four places including UGT , OWC and DG set location showing clear road width 6 meter, 1.5 meter distance left from building line & spaces left for plantation, parking, service lines, foot paths, etc.
13) PP to submit revised parking plan at lower ground and parking statement.
14) PP to submit Project description, its importance and the benefits,
15) PP to submit Project site details (location, top 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).
16) PP to submit 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.
17) PP to submit Land acquisition status, R&R details if applicable.
18) PP to submit Baseline environmental study for ambient air (PM10, PM2.5, SO2, NOx & CO), water (both surface and ground), noise and soil as per MoEF&CC/CPCB guidelines at minimum 5 to 10 locations in the study area.
19) PP to submit Details on flora and fauna and socio-economic aspects in the study area
20) PP to submit Likely impact of the project on the environmental parameters (ambient air, surface and ground water, land, flora and fauna and socio-economic, etc),
21) PP to submit 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,
22) PP to submit Waste water management (treatment, reuse and disposal) for the project and also the study area.
23) PP to submit Management of solid waste and the construction & demolition waste for the project vis-à-vis the Solid Waste Management Rules, and the Construction & Demolition Rules.
24) PP to submit Energy efficient measures (LED lights, solar power, etc) during construction as well as during operational phase of the project.
25) 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 accredited by NABL, or a laboratory of a Council of Scientific and Industrial Research (CSIR) institution working in the field of environment. or a laboratory of CSIR Institution working in the field of Environment duly vetted by it.
26) 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.
27) 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.
28) PP to submit details of treatment /disposal of solid waste as per prevailing norms
29) PP to submit Environmental status report clearly mentioning the mitigation measures undertaken already.
30) 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.
31) PP to submit details of CER activities in consultation with the people in the project area as per MoEF & CC circular dated 1/05/2018.

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.

72 nd Agenda of SEAC-3 (Day-1)

SEAC Meeting number: 72 **Meeting Date** September 30, 2018

Subject: Environment Clearance for M/s Knowledge City Education Pvt. Ltd. & M/s. Oxford Golf & Resorts Pvt. Ltd. proposes to expand "OXFORD CITY" Residential, Educational Institute and Commercial Project at Gat No. 1167 to 1179,1181, 1183 to 1189, 1191 to 1198,1200 to 1204,1206 to 1232, 1241, 1243, 1245, 1246, 1247, 1253, 1259, 1261, 1263 to 1266, 1268 to 1284, 1286 to 1289, 1292, 1298 to 1303, 1317, 1656 to 1660 at village Lavale and Gat No. 23, 34/1, 34/2/1, 34/4b/1, 129/1, 131, 132, 135, 137/1, 137/2, 137/3, 159, 163, 168,

Is a Violation Case: No

1.Name of Project	Oxford City
2.Type of institution	Private
3.Name of Project Proponent	Mr. Haresh Shah
4.Name of Consultant	Pollution and Ecology Control Services
5.Type of project	Township
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 Granted 1.No. 21-154/2006/IA-III date 17 Oct. 2006. 2. No. 21-362/2007/IA-III dated 27 Dec. 2007.
8.Location of the project	Gat No. 1167 to 1179,1181, 1183 to 1189, 1191 to 1198,1200 to 1204,1206 to 1232, 1241, 1243, 1245, 1246, 1247, 1253, 1259, 1261, 1263 to 1266, 1268 to 1284, 1286 to 1289, 1292, 1298 to 1303, 1317, 1656 to 1660 at village Lavale and Gat No. 23, 34/1, 34/2/1, 34/4b/1, 129/1, 131, 132, 135, 137/1, 137/2, 137/3, 159, 163, 168, 199, 200/3 at village Bavdhan Mulshi, Lavale and Bavdhan
9.Taluka	Mulshi
10.Village	Lavale and Bavdhan
Correspondence Name:	M/s. Knowledge City Education Pvt. Ltd. & M/s. Oxford Golf & Resorts Pvt. Ltd.
Room Number:	501
Floor:	4th Floor
Building Name:	Kensington Court
Road/Street Name:	Lane No.5, off North main road
Locality:	Koregaon Park
City:	Pune
11.Area of the project	Pune Metropolitan Regional development Authority (PMRDA)
12.IOD/IOA/Concession/Plan Approval Number	CC issued by PMRDA
	IOD/IOA/Concession/Plan Approval Number: Sanctioned vide No. BMU/Mouje Lavale/S.N. 1168 and others/PN/31/2017-18 dt. 10.04.2018
	Approved Built-up Area: 1545578.96
13.Note on the initiated work (If applicable)	This has been worked out by adding the Built up area of Existing Phase (5,77,828.01Sq.M) and Proposed expansion phase (48,46,595.37 Sq. M). The project proponent has planned to complete the entire project in eight phases. So far construction has been carried out is only 62881.92 Sq.m, which is only 10.88 per cent of the total built up area of the existing phase. Important buildings or edifices constructed in the existence phase are Golf Club Building 4763 Sq.m, Flame University 53618.92 Sq.m. and Avasara School 4500.00 Sq.m.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Yes
15.Total Plot Area (sq. m.)	3857154.00
16.Deductions	220554.83
17.Net Plot area	3636599.17
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 4253512.80
	b) Non FSI area (sq. m.): 1170910.51
	c) Total BUA area (sq. m.): 5424423.31

18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** --
	Approved Non FSI area (sq. m.): --
	Date of Approval: 10-04-2018
19.Total ground coverage (m2)	250747.72 Sq. m.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	6.5 % of Total Plot Area and 6.9 % of Net Plot Area
21.Estimated cost of the project	150000000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	OCR -1: G1BA	2PD+30	99.90
2	OCR -1: G7	2PD+30	99.90
3	OCR -1: G3D	2PD+30	99.90
4	OCR -1: G4A	2PD+30	99.90
5	OCR -2: N1Cb	3PD+30	99.90
6	OCR -2: N1Da	3PD+30	99.90
7	OCR-2: G3D	3PD+30	99.90
8	OCR-2: MLCP+C8	6	24.00
9	OCR 2: C5	3	15.00
10	OCR 2: CG	3	15.00
11	OCR 2: C7	3	15.00
12	OCR 3: T1, T3	5PD+30	99.90
13	OCR 3: T2,T4,T5,T6,T7	5PD+30	99.90
14	OCR 4: T	2PD+ 30	99.90
15	OCR 5: T	2PD+ 30	90.00
16	OCR 6: BLOCK A	G+3	12.27
17	OCR6: BLOCK B	G+5	25.00
18	OCR 6: BLOCK C	G+3	13.40
19	OCR6: BLOCK D	G+4	15.00
20	OCR6: BLOCK E	G+7	28.15
21	OCR-6 BLOCK F	G+29	99.90
22	OCR 6: LOGHUTS	G+1	6.00
23	OCR 6: EXP CENTER	G+1	9.00
24	OCR-7 +8 TYPE-1	G+2	14.50
25	OCR-7 +8 TYPE-2	G + 2	14.50
26	OCR-7 +8 TYPE-3	G + 2	14.50
27	OCR-7 +8 TYPE-4	G + 2	14.50
28	OCR-7 +8 TYPE-5	G + 2	14.50
29	OCR-7 +8 TYPE-1	G + 2	14.50
30	OCR 9 T	2PD+30	99.90
31	OCR 10 T	2PD+30	99.90
32	OCR 12 T	2PD+30	99.90
33	OCR 13 T	2PD+30	99.90
34	OCR 14 E 1	P+17	60.00

35	OCR 14 E 3	P+17	60.00
36	OCR 15 E 1	P+17	60.00
37	OCR 16 E 1	P+18	55.00
38	OCR 17 E 1	P+17	60.00
39	OCR 17 E 1A	P+17	60.00
40	OCR 17 E 2	P+17	60.00
41	OCR 18 T	2PD+30	99.90
42	OCC- 4 Shed -1	G	7.8
43	OCC- 3 Town Hall	P+ POD + 7	24
44	OCC- 2 C -2	P+ POD + 23	71.40
45	OCA-4 Health Club	P+ 2	15
46	OCA-2 Library Building	P+ 7	24.00
47	OCE -9 Health	P+ 5	18.15
48	OCE-1 A01	G+1	9.45
49	OCE-1 A02	LG+G+3	14.95
50	OCE-1 A03	G+3	12.00
51	OCE-1 A04	G+2	11.25
52	OCE-1 A05	G+3	12.00
53	OCE-1 A06	G+1	9.45
54	OCE-1 A07	G+3	14.85
55	OCE-1 A08	G+1	9.45
56	OCE-1 A09	G+3	14.85
57	OCE-1 A10	G	5.20
58	OCE-1 A11	G+1	13.11
59	OCE-1 A12	G+1	11.10
60	OCE-1 A13	G	4.02
61	OCE-1 A15	G+1	6.90
62	OCE-1 A16	G+1	7.00
63	OCE-1 A17	G+1	7.00
64	OCE-1 A18	G+1	7.00
65	OCE-1 A19	G+1	7.00
66	OCE-1 A20	G	4.50
67	OCE-1 A21+22	G	6.45
68	OCE-1 A23	G	3.45
69	OCE-1 A26 +2	G+3	13.00
70	OCE-1 A27 +2	G+3	13.05
71	OCE-1 A28	G+3	14.95
72	OCE-1 A40	G	4.35
73	OCE-1 A41	G+2	14.81
74	OCE-1 A42	G+3	15.00
75	OCE-1 A46	G	3.45
76	OCE-1 A47	G	3.45
77	OCE-1 A48	G+4	15.00
78	OCE-1 Auditorium	G+1	14.40

79	OCE2:Sport Complex	G+1	10.80
80	OCE2:Executive Education Centre	G+7	24.00
81	OCE2:Hostel 1	G+3	12.00
82	OCE2:Faculty Housing	G+7	24.00
83	OCE 3	0	0
84	OCE 4	0	0
85	OCE -5 Building-1	G+3	14.90
86	OCE -5 Building-2	G+3	14.90
87	OCE -5 Building-3	G+3	14.90
88	OCE -5 Building-4	G+3	14.90
89	OCE -5 Building-5	G+3	14.90
90	OCE -5 Building-6	G+3	14.90
91	OCE7 – Academic Block – A	G+3	15.00
92	OCE7 – Academic Block – B	G+3	15.00
93	OCE6- School 1	G+3	14.90
94	OCE8 – Housing 2A	G+4	16.00
95	OCE8: Housing 3A	G+4	16.00
96	OCE8: Housing D-1 & D-2	G+1	7.00
97	OCU-1 Bus Station	G	5.00
98	OCU-1 Police Station	G	4.20
99	OCU-1 Fire Station	G	5.00

23.Number of tenants and shops	No. of Tenements 18922 (Residential)
24.Number of expected residents / users	275168
25.Tenant density per hectare	50 (permissible 250 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)	18 m. road developed by project proponent connected to NH-4. Fire station is at distance of 12.0 km. Fire station is proposed in the township.
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	So far construction has been carried out is only 62881.92 Sq.m, which is only 10.88 per cent of the total built up area of the existing phase. Important buildings or edifices constructed in the existence phase are Golf Club Building 4763 Sq.m, Flame University 53618.92 Sq.m. and Avasara School 4500.00 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

Dry season:	Source of water	Irrigation Department Pune
	Fresh water (CMD):	9230
	Recycled water - Flushing (CMD):	4758
	Recycled water - Gardening (CMD):	2561
	Swimming pool make up (Cum):	9
	Total Water Requirement (CMD) :	16549
	Fire fighting - Underground water tank(CMD):	500 KL
	Fire fighting - Overhead water tank(CMD):	30 Kl
	Excess treated water	4209
Wet season:	Source of water	Irrigation Department Pune
	Fresh water (CMD):	9230
	Recycled water - Flushing (CMD):	4758
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	9
	Total Water Requirement (CMD) :	13988
	Fire fighting - Underground water tank(CMD):	500 KL
	Fire fighting - Overhead water tank(CMD):	30 KL
	Excess treated water	6769
Details of Swimming pool (If any)	AS per Layout plan	

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	336	13652	13988	90	1763	1853	246	11889	12135

Gardening	664	1897	2561	0	0	0	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Pre monsoon depth of Water level 2-5 m
	Size and no of RWH tank(s) and Quantity:	details are given in EIA Report
	Location of the RWH tank(s):	As per contour of the site
	Quantity of recharge pits:	600 Nos.
	Size of recharge pits :	1.5 x1.5 x 2 m
	Budgetary allocation (Capital cost) :	120 Lakhs
	Budgetary allocation (O & M cost) :	10 Lakhs/Annum
	Details of UGT tanks if any :	UGT Name In KLD UGT-1 2170 UGT-2a 710 UGT-2b 830 UGT-3 3140 UGT-4a 870 UGT-4b- 380 UGTb-2 210 UGT-F 400 UGT-V1 90 UGT-V2 90 UGT-V3 90 UGT-G 250 Total 9230 Total : 12 UGWT will be provided.

35.Storm water drainage	**Natural water drainage pattern:**	Storm water drainage will be designed according to contour of the site
	Quantity of storm water:	169263 cum
	Size of SWD:	1200 mm in diameter

Sewage and Waste water	**Sewage generation in KLD:**	12135
	STP technology:	MBBR
	Capacity of STP (CMD):	13 no. Total Capacity 12330 KLD
	Location & area of the STP:	Shown in Layout Plan
	Budgetary allocation (Capital cost):	Rs. 900 Lakhs
	Budgetary allocation (O & M cost):	Rs. 90 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:	Authorized Dealer
Waste generation in the operation Phase:	**Dry waste:**	24990.5 Kg/Day
	Wet waste:	37485.7Kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	30 Kg/day
	STP Sludge (Dry sludge):	Yes
	Others if any:	Used Oil
Mode of Disposal of waste:	**Dry waste:**	Dry Waste (Non- biodegradable) garbage: Segregated into recyclable and non-recyclable waste and shall be handed over to Authorized Recycler of PMC.
	Wet waste:	OWC
	Hazardous waste:	Authorized dealer if any
	Biomedical waste (If applicable):	Authorized Dealer
	STP Sludge (Dry sludge):	Dry Sludge will be used as manure for Gardening
	Others if any:	Authorized Vendor
Area requirement:	**Location(s):**	As per shown in Layout Plan
	Area for the storage of waste & other material:	Enmark area is shown in layout plan
	Area for machinery:	1400 Sq.m for OWC setup.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 9 Crores
	O & M cost:	Rs. 90 lacs per annum

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	NA	7.5-8.5	7.0-7.5	6.5-9.0
2	SS	mg/ltr	150-200	50-100	100
3	BOD	mg/ltr	50-80	10-30	30

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	Used Oil	5.1	ltr/annum	30	100	130	Authorised 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 Set	2625 ltr/day	107 nos.	as per Norms	appropriate as per height.	--

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel	816 ltr/day	1809 ltr/day	2625 ltr/day
41.Source of Fuel		Local Supplier		
42.Mode of Transportation of fuel to site		by Road through Truck Tanker		

43.Green Belt Development	**Total RG area :**	11,19,247.63 Sq.m. (Including Hill slope plantation)
	No of trees to be cut :	350 Nos. approximate)
	Number of trees to be planted :	7500 trees have been planted and As many as 20000 trees have been planned to be planted
	List of proposed native trees :	Neem, Mango, Jambhul, Fig, Amaltas, Bargad, Shisam, Arjuna, Gulmohar, Jackfruit, Chiku, Ashok, Furcurea, Badam, Royal Palm
	Timeline for completion of plantation :	Not Applicable

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	Azardirachtaindica	Neem	3000	Dense , Evergreen
2	FicusBenghalensis	Bargad,(Wad)	150	Large, Dense , Evergreen
3	TerminaliaArjuna	Arjuna	2000	semi-deciduous, Medium
4	PolyalthiaPendula	Ashoka	4000	Evergreen, small
5	MangiferaIndica	Amba	1000	Large, Dense , Evergreen
6	SyzygiumCuminii	Jambhul	1000	semi-deciduous, Medium
7	Cassia Fistula	Amaltas	1500	Evergreen, small
8	DalbergiaLatifolia	Shisam	1000	Large, Dense , Evergreen
9	MicheliaChampaka	SoanChafa	800	Large, Dense , Evergreen
10	Manilkarazapota	Chiku	800	semi-deciduous, Medium, tall
11	FurcrataGigantia	Furcurea	700	succulent garden ornamental.
12	DelonixRegia	Gulmohar	1500	Deciduous, Large
13	Artocarpusheterophyllus	Jackfruit	500	Good canopy, Fruit & flower, attracting
14	FicusBenjamina	Fig	550	Deciduous, Large
15	Roystonearegia	Royal Palm	1500	Deciduous, Large
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)	200 KVA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	456 MVA
	During Operation phase (Demand load):	247 MVA
	Transformer:	194 Nos.
	DG set as Power back-up during operation phase:	107 Nos.
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	132 KVA line

48.Energy saving by non-conventional method:

Solar Energy Conventional Energy

Sr. No Description Units Saved/ year Energy cost savings/ Year Units Saved/ Day Units / year Energy cost / Year % Energy Saving/yr
(Kw-hr/ year) (Rs./year) (Kw-hr/ Day) (Kw-hr/ year) Rs./year
1 Solar Lighting 43800 306600 120 438000 3066000 10
(for Landscape/Driveway)
2 Still Floor / Staircase 5162706 36138942 14144 17209020 120463140 30
/ Lift Lobby Lighting
3 VFD's on Lifts 4204800 29433600 11520 21024000 147168000 20
4 Solar Panels for Hot Water 2509600 17567200 6875.62 135505000 94535000 19

Total Savings/year (KWH) 11920906 83446342 32660 52176020 365232140 20
Total Savings/ day (Kwh) 32660 228620 142948 1000636

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar Lighting (for Landscape/Driveway)	10 %
2	Still Floor / Staircase / Lift Lobby Lighting	30 %
3	VFD's on Lifts	20 %
4	Solar Panels for Hot Water	19 %

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed

Air Pollution –Vehicular Movement and DG Set used during power failure only	Acoustic Covered and Chimney	Every DG set having appropriate Acoustic Cover and Chimney (stack) as per CPCB Norms
Sewage	200 KLD and 300 KLD	11 more STP Total capacity after expansion will be 12330 KLD
Solid Waste (Non Bio-degradable) and Bio Degrdable	Bins are Provided and disposal trough PMC	Bins are Provided and disposal trough PMC and 14 OWC will be installed for Bio-degradable waste.

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.4203.00Lakhs
	O & M cost:	Rs.40.00 Lakh 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	Water for Dust Suppression	SPM	7.20 (Rs.1500/day for 2 years)
2	Site Sanitation & Safety	mobile toilets	5.50
3	Environmental Monitoring	--	4.50
4	Health & Checkup of Labour	--	2.0
5	TOTAL	--	19.2

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Water Pollution	Sewage Treatment Plant 13 Nos. Total capacity 12330 KLD	900	90
2	Air Pollution Control Management	Water sprinklers, Stacks of appropriate ht shall be provided to DG Set	25	5
3	Solid Waste Management	Organic Waste Converter OWC and bins will be provided	350	35
4	RWH	600 Nos of pits shall be provided	120	10
5	Energy Conservation	Flat Area (2 Light On PV Solar) solar water heaters & Solar Street Light.	4203	40
6	Landscape	Plantation and lac	300	30
7	--	Total	5898	210

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 approachable by Mumbai-Bangalore NH-4 road through TarRoad Developed by Project Proponent.
Parking details:	**Number and area of basement:**	None
	Number and area of podia:	46 Podium.
	Total Parking area:	817000 Sq. m.
	Area per car:	As per PMRD Norms
	Area per car:	As per PMRD Norms
	Number of 2-Wheelers as approved by competent authority:	87770 Scooter and 87770 Cycles
	Number of 4-Wheelers as approved by competent authority:	27678 Nos
	Public Transport:	NA
	Width of all Internal roads (m):	6-12 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 (b)
	Court cases pending if any	None
	Other Relevant Informations	Application for Environmental Clearance.

	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	18-12-2017

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for proposes to expand "OXFORD CITY" Residential, Educational Institute and Commercial Project at Gat No. 1167 to 1179,1181, 1183 to 1189, 1191 to 1198,1200 to 1204,1206 to 1232, 1241, 1243, 1245, 1246, 1247, 1253, 1259, 1261,1263 to 1266, 1268 to 1284, 1286 to 1289, 1292, 1298 to 1303, 1317, 1656 to 1660 at village Lavale and Gat No. 23,34/1, 34/2/1, 34/4b/1, 129/1, 131, 132, 135, 137/1, 137/2, 137/3, 159, 163, 168, M/s Knowledge City Education Pvt. Ltd. & M/s. Oxford Golf & Resorts Pvt. Ltd.

PP submitted their application for prior Environmental clearance for total plot area of 3857154.00 Sq. Mtrs, BUA of 5424423.31 Sq. Mtrs and FSI area of 4253512.80 Sq. Mtrs and Non FSI area of 1170910.51 sq mtrs. PP proposes to construct 99 no. residential, commercial and educational buildings.

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.

The proposal was discussed in the committee to ascertain the methodology to be adopted to process various aspects of the activities proposed on the site by the PP and the expected impacts of these activities on the ecology and environment at the project site and its immediate neighbourhood. It was inter alia agreed that we may take up the various activities and examine each one in detail to study the impacts and the effect of the measures adopted by the PP for mitigation of the adverse impacts.

The following subjects were identified for examination and discussion with the PP and his team of consultants and advisers. This list is, however, not exhaustive and the SEAC will continue to add issues as these arise during the course of discussions. The efforts of the SEAC will be to examine this project exhaustively to ensure that no aspect of environmental concerns as identified in the current legislations, administrative orders and statutory notifications is left uncovered. It will also be the effort of the SEAC to ensure that communities living in the vicinity of this project are not affected adversely in any manner but on the other hand benefit economically and socially by this development and are over the course of its development incorporated seamlessly into this new community.

1. Land Environment.

2. Ground Water and Water Environment.

3. Air Environment.

4. Noise Management.

5. Energy and Power.

6. Ecology and Biodiversity.

7. Solid Waste Management.

8. Bio Medical Waste Management.

9. Waste Water Management.

10. EMP-Environment Management Cell and Budget.

11. Disaster Management, Fire Fighting and on site Emergency Plan.

12. Socio Economic Issues related to project site.

13. Traffic Management (Traffic Generation and Impact)

Note: The EIA report prepared by the PP will be the reference document for various issues that will be discussed by the SEAC. It may require to be modified at the end of our deliberations in accordance with the requirements of law and facility of implementation of the project to ensure the applicability of the most suitable solutions to meet the required standards.

DECISION OF SEAC

After detail discussion of the case, committee shared the observations with the PP in respect to Solid waste management, Socio Economic Issues related to project site and Ecology and Biodiversity, and asked the PP for detail presentation on Land environment and Energy and power in the next meeting and also PP shall make detail presentation regarding EIA studies/TOR on Land environment and Energy and power. The committee shall perform the site visit as an when necessary.

Specific Conditions by SEAC:

1) PP to submit details of following points on Land Environment : (a) PP to submit details of ownership of clarifying whether they have bought land of Adivasis Public Land, Forest or Government Land etc. (b) PP to take trial pits at location where development is expected as per the proposed Master Plan, to understand the soil strata and the same shall be reflected in the ecological report. (c) PP to carry out soil tests in the villages falling in the vicinity to check its alkaline / acidic nature. (d) PP to clarify whether the existing land use will get significantly altered from the project that is not consistent from surrounding. (e) PP to clarify whether proposed land use confirms to the Master Plan approved by the competent authority. (f) PP to submit plan for soil stabilization at proposed construction site to prevent soil erosion. (g) The total area yet to develop is about 1000 acre. During construction phase, labour colony will be provided with the provision of required fuel, water and imitation facility. It is therefore, necessary to maintain the sanctity of existing land scape. PP to clarify the same. (h) PP to submit details of wetlands to be created and their use for domestic water storage, sewage treatment and RWH. (i) PP to submit all required NOCs from the concerned agencies including consent for fresh water supply of required quantity. (j) PP to submit fugitive dust modelling data for any cutting or drilling which may likely to take place during excavation. (k) PP to ensure that UDPFI guidelines shall be followed and road network shall be designed accordingly.
2) PP to submit details of following points on Water Environment : (a) PP to submit details of disposal of excess treated water especially in monsoon season supporting with NOCs from concerned authorities. (b) PP to submit details of pesticides if any to be used on Golf Course. (c) PP to verify whether existing natural water course needs to be widened considering the existing run off. (d) PP to submit complete storm water drainage with drawings. (e) PP to submit phase wise water budget.
3) PP to submit details of following points on solid waste management : (a) PP to submit details of waste collection points. (b) PP to submit comprehensive plan and SOP envisaged for primary / secondary and tertiary collection, segregation, treatment and disposal of waste. (c) PP to submit separate EMP for bio-medical waste management.
4) PP to submit details of following points on socio economic issues: (a) PP to submit socio-economic infrastructure details within vicinity of site w.r.t. pre-primary school, primary school, secondary school including public transport arrangements on the site and proposed development expected in 10-15 years. (b) PP to explore possibility to provide a space for “Otta market” so as to facilitate the farmers in adjoining village to sell their vegetables etc.
5) PP to submit building clearance NOC pertaining to 220 KVA line.
6) PP to incorporate energy maintenance component in EMP.

FINAL RECOMMENDATION

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

SEAC Meeting number: 72 **Meeting Date** September 30, 2018

Subject: Environment Clearance for Proposed construction project by M/s Kokal Constructions

Is a Violation Case: No

1.Name of Project	Solace
2.Type of institution	Private
3.Name of Project Proponent	Mr. Jaikrishan Kokal
4.Name of Consultant	JV Analytical Services
5.Type of project	Residential, Hostel, Sanitarium & Health Care Centre
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. 16,17, 19
9.Taluka	Mulshi
10.Village	Bhukum
Correspondence Name:	Mrs. Shalini Jaikrishan Kokal
Room Number:	Flat No.4, Plot No.4
Floor:	-
Building Name:	Pride Apartment
Road/Street Name:	Baner Road
Locality:	Aundh
City:	Pune
11.Area of the project	PMRDA
12.IOD/IOA/Concession/Plan Approval Number	Applied
	IOD/IOA/Concession/Plan Approval Number: -
	Approved Built-up Area: 34725.19
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.)	22229.10 m2
16.Deductions	5331.85 m2
17.Net Plot area	16897.25 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 24509.43 m2
	b) Non FSI area (sq. m.): 10215.76 m2
	c) Total BUA area (sq. m.): 34725.19
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	3780.58 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	17.00 % of Total plot area (22229.10 m2) and 22.37 % of Net plot area (16897.25 m2)
21.Estimated cost of the project	1710000000

22.Number of buildings & its configuration

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

1	Building - A	S+8	27
2	Building - B	LG+S+8	27
3	Building - C	LG+S+8	27
4	Building - D	LG+S+8	27
5	Hostel Building	LG+S+9	30
6	Sanitarium & Health Care Centre	G+6	21

23.Number of tenants and shops	Total Tenements – 368 Nos. (Senior Care Towers- 128 Nos., Hostel Building- 144 Nos. & Sanitarium & Health Care Center - 96Nos.)
24.Number of expected residents / users	Residential Users : 640 Nos., Hostel Users : 416 Nos., Sanitarium & Health Care Centre Users: 192 Nos., Total Users :1248 Nos.
25.Tenant density per hectare	86/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)	12m wide RP 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	Old Existing Godown
30.Details of the demolition with disposal (If applicable)	Old existing Godown 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	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

Dry season:	**Source of water**	Bhukum Grampanchayat
	Fresh water (CMD):	188.80(One Time)
	Recycled water - Flushing (CMD):	56.16
	Recycled water - Gardening (CMD):	10.00
	Swimming pool make up (Cum):	9.00
	Total Water Requirement (CMD) :	127.64
	Fire fighting - Underground water tank(CMD):	150
	Fire fighting - Overhead water tank(CMD):	100
	Excess treated water	89.98
Wet season:	**Source of water**	Bhukum Grampanchayat
	Fresh water (CMD):	178.80 (One Time)
	Recycled water - Flushing (CMD):	56.16
	Recycled water - Gardening (CMD):	0.00
	Swimming pool make up (Cum):	9.00
	Total Water Requirement (CMD) :	127.64
	Fire fighting - Underground water tank(CMD):	150
	Fire fighting - Overhead water tank(CMD):	100
	Excess treated water	99.98
Details of Swimming pool (If any)	Dimension of Swimming Pool: Main Pool Size :15 M X 5 M X 1.2 M Total water Requirement in KLD: 90000 Lit. Water requirement in KLD: 9000 Lit/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 17.73 Lakh O & M Cost : Rs. 0.18 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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Summer Season – 19.00 m. to 24.00 m. BGL.(21.50 M. BGL Average) , Rainy Season – 8.20 m. to 10.80 BGL.(09.50 m. BGL Average), Winter Season – 13.60 m. to 17.40 m. BGL(15.50 M. BGL Average)
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	11 Nos.
	Size of recharge pits :	2.0 m. X 2.0 m. X 2.0 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.
	Budgetary allocation (Capital cost) :	Rs 12.00 Lakh
	Budgetary allocation (O & M cost) :	Rs.1.20 Lakh/Year
	Details of UGT tanks if any :	Residential (Senior Care Towers): Domestic UG tank Capacity : 92.55 m3 Flushing UG tank Capacity : 31.80 m3 Fire UG tank Capacity : 150.00 m3 Hostel: Domestic UG tank Capacity : 58.00 m3 Flushing UG tank Capacity : 31.22 m3 Fire UG tank Capacity : Included in residential Sanitarium & Health Care Centre: Domestic UG tank Capacity : 26.00 m3 Flushing UG tank Capacity : 8.80 m3 Fire UG tank Capacity : Included in residential
35.Storm water drainage	**Natural water drainage pattern:**	-
	Quantity of storm water:	23,983.78 m3 / Year i.e. 282.16 m3 / Day
	Size of SWD:	450 mm
Sewage and Waste water	**Sewage generation in KLD:**	Senior Care Towers: 77.76 m3/day & Hostel + Sanitarium & Health Care Centre - 78.38 m3/day
	STP technology:	MBBR
	Capacity of STP (CMD):	2 Nos.- 80 m3/day
	Location & area of the STP:	Area- 185 m2
	Budgetary allocation (Capital cost):	STP 1(80 m3/day): Rs.30.00 Lakh, STP 2(80 m3/day): Rs.30.00 Lakh
	Budgetary allocation (O & M cost):	STP 1(80 m3/day): Rs 7.01 Lakh/Year, STP 2 80 m3/day): Rs 7.01 Lakh/Year

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	30kg/day
	Disposal of the construction waste debris:	Use for Leveling.
Waste generation in the operation Phase:	**Dry waste:**	128.00 kg/day(Senior Care Towers), 122.00 kg/day(Hostel + Sanitarium & Health Care Centre)
	Wet waste:	192.00 kg/day(Senior Care Towers), 183.00 kg/day(Hostel + Sanitarium & Health Care Centre)
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	14.05 kg/day
	Others if any:	-
Mode of Disposal of waste:	**Dry waste:**	SWACH
	Wet waste:	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:	-
Area requirement:	**Location(s):**	-
	Area for the storage of waste & other material:	40 m2(Senior Care Towers) & 50 m2 (Hostel + Sanitarium & Health Care Centre)
	Area for machinery:	Included in other material area
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	OWC 1(Senior Care Towers): Rs. 11.00 Lakh, OWC 2(Hostel + Sanitarium & Health Care Centre): Rs. 11.00 Lakh
	O & M cost:	OWC 1(Senior Care Towers): Rs 2.55 Lakh/year, OWC 2(Hostel + Sanitarium & Health Care Centre): Rs 2.53 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- 82.5 KVA-3Nos.	HSD-18.8 Liters/Hr.	S-1,S-2,S-3	6	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	18.8 Liters/Hr.	18.8 Liters/Hr.
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 :**	2302.91 m2
	No of trees to be cut :	NA
	Number of trees to be planted :	293 Nos.
	List of proposed native trees :	-
	Timeline for completion of plantation :	Mid of Construction

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	Pongamia pinnata	Karanj	22	Native to Pune, Deciduous, Flowers Pinkish white
2	Azadirachta indica	Neem	49	Native to India, Deciduous, Flowers Fragrant white attract squirrels
3	Sweitenia mahogani	Mahogani	48	Deciduous, Flowers small yellow fragrant
4	Bauhinia purpurea	Gulabi kanchan	17	Bird attracting
5	Butea monosperma	Palas	05	Bird attracting
6	Cordial sebesterna	Scarlet cordia	15	Bright orange flowers, evergreen
7	Delonix regia	Gulmohar	18	Scarlet red flowers
8	Mutingia calabura	Singapore cherry	15	Bird attracting, evergreen
9	Plantus orientalis	Chinar	13	Maple shaped leaves
10	Schleichera oleosa	Kusumb	02	Native to Pune, Deciduous, Flowers green, small in fascicles
11	Tabebuia argentea	Garden trumpet	17	Native to Pune, Deciduous
12	Salix tetrasperma	Walunj	06	Native to Pune, Deciduous
13	Cassia fistula	Amaaltus	04	Native to Pune, Deciduous, Flower Yellow

14	Plumeria stenopetala	Frangipani	04	Deciduous, tall, white fragrant flowers at night
15	Phoenix robusta	Palm	21	Native to Western Ghat, Flowers yellow, small
16	Roystonea regia	Royal palm	05	Fruits 1cm, globose, black
17	Annona squmosa	Sitaphal	04	Fruit bearing Tree
18	Carica papaya	Papaya	04	Fruit bearing Tree
19	Citrofortunella mitis	Mandarin orange	04	Fruit bearing Tree
20	Citrus sinesis	Mosambi	02	Fruit bearing Tree
21	Manikara zopata	Chikkoo	03	Fruit bearing Tree
22	Nephelium chinensis	Litchi	03	Fruit bearing Tree
23	Ficus cairica	Anjir	05	Fruit bearing Tree
24	Punica granatum	Pomegranate	02	Fruit bearing Tree
25	Bombax ceiba	Cotton tree	01	Bird Attracting Tree
26	Erythrina suberosa	Pangaro	02	Bird Attracting Tree
27	Ficus benghalensis	Banyan	02	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	-	-	-

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	76.75KW
	DG set as Power back-up during construction phase	82.5 KVA- 1 No.
	During Operation phase (Connected load):	Senior Care Towers: 1068.59 KW, Hostel + Sanitarium & Health Care Centre: 746.00 KW
	During Operation phase (Demand load):	Senior Care Towers: 491.17 KW, Hostel + Sanitarium & Health Care Centre: 497.33 KW
	Transformer:	1 x 630 KVA, 1x 400 KVA & 1 x 315 KVA
	DG set as Power back-up during operation phase:	3 No x 82.5 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	No

48.Energy saving by non-conventional method:

1. Energy efficient LED fixtures
2. Automatic Timer operation
3. Solar Water Heater
4. Low Loss Transformer

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Energy efficient LED fixtures:	45066.60 KWH / Annum
2	Automatic Timer operation	23134.92 KWH / Annum
3	Solar Water Heater	120640.00 KWH / Annum
4	Low Loss Transformer	2014.80 KWH / Annum

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air	-	Green belt will be provided.
Water	-	STP will be installed & excess treated water used for flushing & gardening
Noise	-	Noise monitoring will be done in once a fortnight. 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:**	Rs. 116.40 Lakh
	O & M cost:	Rs. 4.40 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	1.00 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 1	80 m3/day	30.00	7.01
2	STP 2	80 m3/day	30.00	7.01
3	RWH	-	12.00	1.20

4	MSW 1	250 Kg/day	11.00	2.55
5	MSW 2	250 Kg/day	11.00	2.53
6	Energy System	-	116.40	4.40
7	Solar water Heating system	-	39.00	0.78
8	Landscaping	-	457.28	20.00
9	Swimming Pool	-	17.17	0.18
10	Safety Equipment	-	10.00	2.00
11	Post EC Monitoring	-	-	2.50
12	Dry Waste Management	-	-	1.15

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:**	NA
	Number and area of podia:	NA
	Total Parking area:	6936.00 m2
	Area per car:	70.78 m2
	Area per car:	70.78 m2
	Number of 2-Wheelers as approved by competent authority:	484
	Number of 4-Wheelers as approved by competent authority:	98
	Public Transport:	-
	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	No
	Other Relevant Informations	-
	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

Environment Clearance for Proposed construction project at Gat No. 16,17, 19, Bhukum by M/s Kokal Constructions.

PP submitted their application for prior Environmental clearance for total plot area of 22229.10 Sq. Mtrs, BUA of 34725.19 Sq. Mtrs and FSI area of 24509.43 Sq. Mtrs and Non FSI area of 10215.76 sq mtrs. PP proposes to construct 4 no. of residential buildings, 1 hostel building and a sanatorium and health care centre.

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

Specific Conditions by SEAC:

1) PP to submit NOC for disposal of solid waste.
2) PP to submit CFO NOC.
3) PP to submit drainage NOC.
4) PP to submit plan for sewer line connectivity up to final disposal point. Also submit the inverts level of Municipal sewer line.
5) PP to submit details of CER activities in consultation with the affected people in the project area as per MoEF & CC circular dated 1/05/2018. With details of agreement with executor.
6) PP to submit SWD plan up to final disposal point.
7) PP to submit details of Internal circulation with road width should be revised with showing clear road width of 6 meters and turning radius of 9 meters; PP to submit cross section of roads at four places showing clear road width 6 meter , 1.5 meter distance left from building line, spaces left for plantation, footpath, service lines etc.
8) PP to submit clarification regarding dependent parking or submit specific sanction from authority.
9) PP to submit revised energy calculations.
10) PP to submit details of area per car as per norms.
11) PP to submit cross section at 6-7 places showing the space left for SWD, plantation of trees and compound wall.
12) PP to submit cross section through UGT with top of tank, and maintain some distance above the ground level.
13) PP to submit details of ramp width and slope.
14) PP to submit revised site specific EMP.
15) PP has stated that the RG area is common for entire plot so PP to incorporate the condition in cell deed and also the entire plot will be part of federation of society (plot A&B)
16) PP to submit plan showing retaining wall details.

FINAL RECOMMENDATION

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

72 nd Agenda of SEAC-3 (Day-1)

SEAC Meeting number: 72 **Meeting Date** September 30, 2018

Subject: Environment Clearance for Commercial Complex - Fortune Mall & Pulse Care Hospital" at Sitabuldi, Nagpur by M/s. GIGEO Construction Co. Pvt. Ltd., Nagpur

Is a Violation Case: No

1.Name of Project	Commercial Complex - Fortune Mall & Pulse Care Hospital" at Sitabuldi, Nagpur by M/s. GIGEO Construction Co. Pvt. Ltd., Nagpur
2.Type of institution	Private
3.Name of Project Proponent	M/s. GIGEO Construction Co. Pvt. Ltd., Nagpur
4.Name of Consultant	M/s. Anacon Laboratories Pvt. Ltd.
5.Type of project	Commercial Complex, Mall & Pulse Care Hospital
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	Kh. No. 317, CTS No. 3110, 3111, 3112, Sitabuldi, Nagpur
9.Taluka	Nagpur Urban
10.Village	Nagpur
Correspondence Name:	Shri. Chhaganlal Patel
Room Number:	0
Floor:	Fourth Floor
Building Name:	Fortune Mall
Road/Street Name:	State Highway 255, Jhansi Rani Square
Locality:	Sitabuldi
City:	Nagpur
11.Area of the project	Nagpur Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Obtained Nagpur Improvement Trust (NIT) approval
	IOD/IOA/Concession/Plan Approval Number: No
	Approved Built-up Area: 28228.695
13.Note on the initiated work (If applicable)	Work stared in Year 2003
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Letter No. B/E.(West/1683) dtd. 26/04/2016
15.Total Plot Area (sq. m.)	8931.562
16.Deductions	0
17.Net Plot area	8931.562
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 21570.615
	b) Non FSI area (sq. m.): 6658.08
	c) Total BUA area (sq. m.): 28228.695
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 21570.615
	Approved Non FSI area (sq. m.): 6658.08
	Date of Approval: 12-12-2007
19.Total ground coverage (m2)	8931.562
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	85
21.Estimated cost of the project	1440008570

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Fortune Mall & Pulse Care Hospital	3+4	22.11
2			

23.Number of tenants and shops	200
24.Number of expected residents / users	1800
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)	State Highway 255 present in north at a distance of 10 meter
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Nil
29.Existing structure (s) if any	None
30.Details of the demolition with disposal (If applicable)	This was a new developmental activity on vacant plot, hence there was no demolition work was involved.

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Building & Construction Project	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

Dry season:	**Source of water**	Currently Seepage water & Nagpur Municipal Corporation supply
	Fresh water (CMD):	50
	Recycled water - Flushing (CMD):	0
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	50
	Fire fighting - Underground water tank(CMD):	20
	Fire fighting - Overhead water tank(CMD):	20
	Excess treated water	0
Wet season:	**Source of water**	Currently Seepage water & Nagpur Municipal Corporation supply
	Fresh water (CMD):	50
	Recycled water - Flushing (CMD):	0
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	50
	Fire fighting - Underground water tank(CMD):	20
	Fire fighting - Overhead water tank(CMD):	20
	Excess treated water	0
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	50	0	50	17.125	0	17.125	32.875	0	32.875

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	3 m
	Size and no of RWH tank(s) and Quantity:	Nil
	Location of the RWH tank(s):	RWH systems is not proposed for this project as the natural ground water table is encountered at 3-4 meters BGL and natural drainage system is located very near to project location.
	Quantity of recharge pits:	Nil
	Size of recharge pits :	Nil
	Budgetary allocation (Capital cost) :	Nil
	Budgetary allocation (O & M cost) :	Nil
	Details of UGT tanks if any :	100 KLD
35.Storm water drainage	**Natural water drainage pattern:**	There is no natural drainage system flowing through site.
	Quantity of storm water:	747.6 m3/hr.
	Size of SWD:	Not applicable
Sewage and Waste water	**Sewage generation in KLD:**	32.87 5
	STP technology:	Septic tank
	Capacity of STP (CMD):	Nil
	Location & area of the STP:	Not applicable
	Budgetary allocation (Capital cost):	Nil
	Budgetary allocation (O & M cost):	Nil
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	It is estimated that around 70-100 tons of construction waste shall be generated during the proposed construction
	Disposal of the construction waste debris:	The C&D waste shall be disposed-off as directed by local authority.
Waste generation in the operation Phase:	**Dry waste:**	1000-1200 Kgs/day – Recyclable Waste from Shopping Complex. 350-400 kg of Solid waste from domestic activities of staff. 210-240 kg of dry waste (of domestic waste).
	Wet waste:	140-160 kg of wet waste (of domestic waste).
	Hazardous waste:	No
	Biomedical waste (If applicable):	It is expected that around 150 Kgs of bio-medical waste shall be generated7
	STP Sludge (Dry sludge):	Nil
	Others if any:	Nil

Mode of Disposal of waste:	**Dry waste:**	Recyclable Sold to recyclers & other waste Segregated at source and disposed-off with municipal facilities
	Wet waste:	disposed-off with municipal facilities
	Hazardous waste:	No
	Biomedical waste (If applicable):	Disposed of as per Biomedical waste handling rule
	STP Sludge (Dry sludge):	Not envisaged. If required septic tank cleaning will be done through NMC
	Others if any:	Nil
Area requirement:	**Location(s):**	Color codes waste bins for collection of dry waste and wet waste shall be provided at designated locations
	Area for the storage of waste & other material:	Designated locations
	Area for machinery:	None
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Nil
	O & M cost:	Nil

37.Effluent Charecterestics

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

Amount of effluent generation (CMD):	32.875
Capacity of the ETP:	Septic tanks
Amount of treated effluent recycled :	0
Amount of water send to the CETP:	0
Membership of CETP (if require):	Not applicable
Note on ETP technology to be used	Septic tanks
Disposal of the ETP sludge	Public sewer

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	HSD	As per requirement for standby DG Set	0	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 :**	0
	No of trees to be cut :	0
	Number of trees to be planted :	120
	List of proposed native trees :	Ashoka, Bougainvillea & other native fruit bearing plants
	Timeline for completion of plantation :	3 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	Not Applicable	Not Applicable	Not Applicable	Not Applicable
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

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	As per requirement
	DG set as Power back-up during construction phase	250 KVA
	During Operation phase (Connected load):	1200 KVA
	During Operation phase (Demand load):	1500 KVA
	Transformer:	No
	DG set as Power back-up during operation phase:	250 KVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	None

48.Energy saving by non-conventional method:

? The energy conservation measures planned for operation phase of project include:
? Suitable planning for orientation in such a way that solar heat gain within the leaving areas are minimized and daylight is maximized. Annual pre-dominant wind direction noted for Nagpur city are North, Northwest and North East. The project gets the benefit of north facing orientation with its longer axis orientated along east-west direction.
? The building material used for building envelop are selected such that thermal conductance is minimal. The fenestration products selected for the new construction shall be such that it confirms to recommended characteristics in ECBC and National building code.
? Interior and exterior lighting shall comply with the recommendations of ECBC for lighting power densities;
? Three KW capacity solar system shall be installed with the net metering arrangements for monitoring the solar power generation.
? The pumping system, air conditioning system, refrigeration equipment deployed in building shall be minimum three Star rating compliant.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Not applicable	Not applicable

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:**	Nil
	O & M cost:	Nil

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Nil	Nil	Nil	Nil

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:**	1 (4111.53 sq.m)
	Number and area of podia:	Nil
	Total Parking area:	6658.08
	Area per car:	Not applicable
	Area per car:	Not applicable
	Number of 2-Wheelers as approved by competent authority:	As per NIT guidelines
	Number of 4-Wheelers as approved by competent authority:	As per NIT guidelines
	Public Transport:	City bus, Metro rail in process
	Width of all Internal roads (m):	None
	CRZ/ RRZ clearance obtain, if any:	No
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable
	Category as per schedule of EIA Notification sheet	8a
	Court cases pending if any	Nil

	Other Relevant Informations	M/s. GIGEO Construction Co. Pvt. Ltd. (hereafter called Company), Nagpur has proposed a commercial complex at Sitabuldi, Nagpur as per Government of Maharashtra Resolution Vide order No. NIT-2296/L.No.156/NV26 dtd. 07th Oct. 1997 in respect of Development of land. The land belongs to Shri. Subhash G. Buty, Shri. Sudhir G. Buty & Family (hereafter called Landowners). The Company has signed the MoU dtd. 05/06/1998 & amended thereafter with Landowners for development of land area 6911.68 sq.m on profit sharing basis & 2019.882 sq.m was purchased by the company, thus totaling 8931.562 sq. m. of land. As per the procedures of local body i.e. Nagpur Improvement Trust (NIT), building plan was submitted to NIT on 04/05/1998 considering sanction for FSI 2.5 i.e. for total builtup area of 32,376.91 sq. m. including balcony area, common space & parking area. However, NIT did not provide sanction upto 2002, in spite of repeated pursuance from the company. Hence the company stared construction work in 2002 in anticipation of deemed sanction of the building plan by NIT as per their rule. In year the 2005, NIT has suddenly asked to stop the construction activity on the pretext of non-sanctioning building plan by NIT. On intervention of the Hon'ble Court NIT has agreed for sanction of the plan on withdrawal of court case. Subsequently, NIT has accorded sanction to building plan with FSI 1.25 instead of deemed to be sanction FSI 2.5. However, It is to mention here that by that time entire structural frame work (basement 1 floor + 6 floors) of nearly "28,000 sq.m" along with some masonry & plaster work was completed. That we have stopped the work and restructured the plan and submitted revised building plan for approval in the year 2015. NIT conveyed their approval in-principle/tentative vide letter No. B/E.(West/1683) dtd. 26/04/2016 wherein asked to submit Environmental Clearance for the project activity. As per the EIA Notification 2006 & amendments thereafter, the building & construction project activities are falling under schedule (8a) and prior environment clearance is needs to be obtained from MoEF&CC, GOI for the projects before any construction work, or preparation of land by the project management except for securing the land (Para 2 of EIA Notification 2006). Thus it appears from above paras, the EIA Notification 2006 is not applicable. However, as per the NIT letter dtd. 26/04/2016, enclosed is the Form 1 & Form 1A as per MoEF&CC guidelines for above mentioned project. Submitted for consideration and needful action. Awaiting for inclusion of the case in SEIAA/SEAC III meeting for further consideration.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	13-04-2018

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for Commercial Complex - Fortune Mall & Pulse Care Hospital" at Kh. No. 317, CTS No. 3110, 3111, 3112, Sitabuldi, Nagpur by M/s. GIGEO Construction Co. Pvt. Ltd., Nagpur.

PP submitted their application for prior Environmental clearance for total plot area of 8931.562 Sq. Mtrs, BUA of 28228.695 Sq. Mtrs and FSI area of 21570.615 Sq. Mtrs.

DECISION OF SEAC

PP remains absent, hence committee decided to defer the proposal.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

72 nd Agenda of SEAC-3 (Day-1)

SEAC Meeting number: 72 **Meeting Date** September 30, 2018

Subject: Environment Clearance for ARV Royale -Proposed Residential Development

Is a Violation Case: No

1.Name of Project	ARV-Royale
2.Type of institution	Private
3.Name of Project Proponent	M/s Vedant Properties
4.Name of Consultant	M/s. Ultra-Tech (Environmental Consultancy & Laboratory) NABET Certificate No: NABET/EIA/1417/SA0011
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	S.no 63/2B/2A & 63/2B/2D,Handewadi Road, Near JSPM College, Hadapsar Pune -28
9.Taluka	Haveli
10.Village	Hadapasr
Correspondence Name:	Mr.Rahul Premprakash Goyal
Room Number:	ARV Group ,Office No 311
Floor:	--
Building Name:	City Tower
Road/Street Name:	Dhole Patil Road
Locality:	--
City:	Pune
11.Area of the project	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Applied
	IOD/IOA/Concession/Plan Approval Number: --
	Approved Built-up Area: 33805.48
13.Note on the initiated work (If applicable)	We have initiated the work on site under consideration for environment clearance as per the environment clearance letter no SEAC-III/CR-267/TC-II dated 18th July, 2016. Completed work: FSI : 15536.99 sqm Non-FSI: 10475.58 sqm Total B/UP : 26012.57 sqm
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	21240 sqm
16.Deductions	6816.10 sqm
17.Net Plot area	14423.90 sqm
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 31039.91 sqm
	b) Non FSI area (sq. m.): 29253.72 sqm
	c) Total BUA area (sq. m.): 60293.63
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 20908.13
	Approved Non FSI area (sq. m.): 12897.35
	Date of Approval: 25-04-2018
19.Total ground coverage (m2)	3386.40
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	23.47%
21.Estimated cost of the project	700000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building A(work completed)	Parking+11	35.80
2	Building B(Under construction)	Parking+11	35.80
3	Building C(Under Construction)	Parking+Stilt+11	35.10
4	Building D	Basement+Ground+Mezzanine+Stilt+10	35.10
5	Building E	Basement+Ground+Mezzanine+Stilt+10	35.10
6	Commercial:Block A (Completed),Block B,Block C	Basement+Ground+Mezzanine+1	9.60
7			

23.Number of tenants and shops	No. of Tenements:402 No.of Shops:126
24.Number of expected residents / users	Residential users:2010;Commercial users:1060
25.Tenant density per hectare	208
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: Kondhwa Budruk Fire station(4.6 kms) Road width:24m wide D.P 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	3 Buildings and club house under construction as per existing Environment Clearance received.
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

Dry season:	**Source of water**	Pune Municipal Corporation
	Fresh water (CMD):	202
	Recycled water - Flushing (CMD):	122
	Recycled water - Gardening (CMD):	20
	Swimming pool make up (Cum):	6
	Total Water Requirement (CMD) :	350
	Fire fighting - Underground water tank(CMD):	250
	Fire fighting - Overhead water tank(CMD):	20
	Excess treated water	155
Wet season:	**Source of water**	Pune Municipal Corporation
	Fresh water (CMD):	202
	Recycled water - Flushing (CMD):	122
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	6
	Total Water Requirement (CMD) :	330
	Fire fighting - Underground water tank(CMD):	250
	Fire fighting - Overhead water tank(CMD):	20
	Excess treated water	175
Details of Swimming pool (If any)	Dimension of swimming Pool: 41.80 m2 Details of plant and machinery used for treatment of swimming pool: High rate sand filters, filter media, self-priming pump, control panel for pump, vacuum fitting. Chemicals required for maintaining the swimming Pool: TCCA(Trichloro icocynuric acid)granules Disinfection by : Ozonation	

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:**	18-26 BGL
	Size and no of RWH tank(s) and Quantity:	Not Applicable
	Location of the RWH tank(s):	Not Applicable
	Quantity of recharge pits:	7
	Size of recharge pits :	2m x 2m x 2m
	Budgetary allocation (Capital cost) :	Rs.23 Lakhs
	Budgetary allocation (O & M cost) :	Rs.2.0 Lakhs/annum
	Details of UGT tanks if any :	Raw water Tank:81m3/day Treated water tank:161 m3/day Drinking water tank:45 m3/day Fire tank:250 m3/day
35.Storm water drainage	**Natural water drainage pattern:**	East to North
	Quantity of storm water:	19.30m3 /min
	Size of SWD:	External:200mm-450 mm dia
Sewage and Waste water	**Sewage generation in KLD:**	297
	STP technology:	Moving Bed Bio Reactor(MBBR) Technology
	Capacity of STP (CMD):	327
	Location & area of the STP:	As per services layout
	Budgetary allocation (Capital cost):	Rs.69 Lakhs
	Budgetary allocation (O & M cost):	Rs.15 Lakhs/annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Rs.25 Kg/day
	Disposal of the construction waste debris:	This material will 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:**	537 kg/day
	Wet waste:	653 kg/day
	Hazardous waste:	Negligible
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	21 kg/day
	Others if any:	Not Any

Mode of Disposal of waste:	**Dry waste:**	Will be handed over to SWACH
	Wet waste:	Will be treated in OWC
	Hazardous waste:	Will be handed over to authorized vendors.
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Will be used as manure for landscaping
	Others if any:	Not Any
Area requirement:	**Location(s):**	As per services layout
	Area for the storage of waste & other material:	84 sqm
	Area for machinery:	16 sqm
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.18 Lakhs
	O & M cost:	Rs.10 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	--	HSD IS 1460	1	4.27	106	550+/-50

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel	Not applicable	250 kVA	250 kVA
41.Source of Fuel		Authorised vendor		
42.Mode of Transportation of fuel to site		By road		

43.Green Belt Development	**Total RG area :**	1753.34
	No of trees to be cut :	0
	Number of trees to be planted :	322
	List of proposed native trees :	As mentioned 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	Azardirachta indica	Neem	22	Medicinal value, To control soil erosion. To improve soil erosion
2	Bahunia racemosa	Apta	11	Every part of the plant is medicinal, Drought tolerant species.
3	Caryota urens	Fish Tail palm	7	Grown in any type of soil. Very Hardy.
4	Citrus species	Lemon	12	Medicinal value, Edible fruit.
5	Erythrina indica	Pangara	6	Fragrant flowers, Drought tolerant species, Birds attracting
6	Gmelina arborea	shivan	12	Medicinal value, Drought tolerant species, Bird attracting species.
7	Mimosups elengii	Bakul	13	Fragrant flowers, Medicinal value, To control soil erosion.
8	Murraya koengii	Kadipatta	10	Medicinal value, Edible leaves.
9	Aegle marmoles	Bel	13	Medicinal value, Drought tolerant species.
10	Nyctanthus arbortristis	Parijatak	08	Fragrant flowers, Medicinal value,
11	Putrnjiva roxburghii	Putrnjiva	08	Medicinal value, Drought tolerant species,
12	Roystonia regia	Bottle palm	16	Ornamental plant, Medicinal value, Birds & bats eat fruits.
13	Ailanthus excelsa	Maharukh	12	Medicinal for Skin, Fragrant flowers, To control soil erosion, Bird attracting species (Para kids eat seeds).
14	Albizia lebek	Shirish	12	Medicinal for Skin, Fragrant flowers, To control soil erosion, Bird attracting species (Para kids eat seeds).
15	Anthocephalus kadamba	Kadamb	10	Medicinal value, To control soil erosion,
16	Azardirachta indica	Neem	11	Medicinal value, To control soil erosion. To improve soil erosion
17	Bauhinia blackiana	Kanchanraj	12	Every part of the plant is medicinal,Drought tolerant species.

18	Bauhinia purpurea	Gulabi kanchan	12	Every part of the plant is medicinal,Drought tolerant species.
19	Butea monosperma	Palas	12	Medicinal value, Bird attracting species ,To control soil erosion.
20	Cassia fistula	Bahawa	12	Medicinal value, Drought tolerant species, Very ornamental,Well flowering plant, Honey bee attracting species, Host plant for Butterfly.
21	Choclospermum religiosum	Sonsawar	14	Medicinal value, Native species
22	Cordia dichotoma	Bhokar	8	Medicinal value, Edible fruits
23	Dalbergia sissoo	Shisav	8	Medicinal value, Bird attracting species ,
24	Ficus arnottiana	Payar	8	Drought tolerant species, Bird attracting species. To control soil erosion.
25	Ficus glomerata	Umber	8	Medicinal value, Edible fruits, Bird attracting species
26	Ficus retusa	Nandruk	8	Medicinal value, Bird attracting species, Drought tolerant species, Hardy plant.
27	Phyllanthus emblica	Awla	8	Medicinal value, To control soil erosion.
28	Mangifera indica	Mango	8	Edible fruit, Bird attracting species.
29	Michelia champaca	Son chaffa	8	Medicinal value, Fragrant flowers, Butterfly larvae host plant, Bird attracting species, Fast growing.
30	Pongamia	Karanj	6	Medicinal value,
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 :**	MSEDCL
	During Construction Phase: (Demand Load)	50KVA
	DG set as Power back-up during construction phase	62.5 KVA
	During Operation phase (Connected load):	2336 KW
	During Operation phase (Demand load):	1230 KW
	Transformer:	2 x 630 kVA
	DG set as Power back-up during operation phase:	1 x 250 kVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	Not Any

48.Energy saving by non-conventional method:

Solar PV Panels for common area lighting
Timer logic controller
Electronic V3F drive for lifts
Solar water heater

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar PV Panels for common area lighting	0.41
2	Timer logic controller	1.22
3	Electronic V3F drive for lifts	0.33
4	Solar water heater	13.9

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.94.51Lakhs
	O & M cost:	Rs.3.61 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	Erosion control, Dust suppression measures and barricading	--	3.00
2	Site safety	--	2.00

3	Site sanitation	--	2.00
4	Disinfection and health check-up	--	2.00
5	Environment monitoring	--	3.00
6	Total	--	12.00

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Environment monitoring	--	--	12.00
2	Swimming Pool	--	5.00	1.00
3	STP(Including external drainage connection)	--	69.00	15.00
4	Solid waste Management	--	18.00	10.00
5	Solar Water heating	--	94.5	3.61
6	RWH	--	23.00	2.00
7	WTP	--	15.00	1.25
8	Storm water networking(Including external SWD)	--	48.00	1.00
9	Total	--	272.5	45.86

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:**	Basement-1 Area of the Basement-2605 m2
	Number and area of podia:	Podium -1 Area of the podium:8440 m2
	Total Parking area:	16140 sqm
	Area per car:	35
	Area per car:	35
	Number of 2-Wheelers as approved by competent authority:	158
	Number of 4-Wheelers as approved by competent authority:	619
	Public Transport:	Ramya Nagari Bhosale Nagar PMPML bus stop:0.07kms
	Width of all Internal roads (m):	6m
	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	Not Any
	Other Relevant Informations	Not Any
	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

Environment Clearance for ARV Royale -Proposed Residential Development at S.no 63/2B/2A & 63/2B/2D,Handewadi Road, Near JSPM College, Hadapsar Pune -28 by M/s Vedant Properties.

PP submitted their application for prior Environmental clearance for total plot area of 21240 Sq. Mtrs, BUA of 60293.63 Sq. Mtrs and FSI area of 31039.91 Sq. Mtrs. PP proposes to construct 6 no. residential & commercial buildings.

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

Specific Conditions by SEAC:

1) PP to submit comparative statement considering earlier net plot area.
2) PP to submit action taken report of RO visit compliance.
3) PP to submit the letter from swatch regarding capacity of OWC.
4) PP to submit water supply NOC.
5) PP to submit Drainage NOC.
6) PP to submit CFO NOC for building no D& E.
7) PP to submit details of CER activities in consultation with the affected people in the project area as per MoEF & CC circular dated 1/05/2018. With details of agreement with executor.
8) PP to submit cross section of drive way at 4-5 places. Along with slop and width of ramp.
9) PP to submit parking layout plan.
10) PP to submit parking statement with details of area per car as per norms.
11) PP to submit phase wise programme with mitigation measures taken to avoid inconvenience to occupants.

FINAL RECOMMENDATION

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

72 nd Agenda of SEAC-3 (Day-1)

SEAC Meeting number: 72 **Meeting Date** September 30, 2018

Subject: Environment Clearance for Environment Clearance for Proposed Residential Development

Is a Violation Case: No

1.Name of Project	ARV - New Town
2.Type of institution	Private
3.Name of Project Proponent	M/s Vedant Infracon through Mr Rahul Premprakash Goyal
4.Name of Consultant	Ultra-Tech
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	We have received environment Clearance vide letter no SEAC-III-2014/CR-313/TC-III dated 20th May, 2015.
8.Location of the project	S. No 14/1, 14/2, 14/3, 14/4, 14/5, 14/6, 14/7, 15/4, 16/3/3, Pisoli, Tal. Haveli, Dist Pune
9.Taluka	Haveli
10.Village	Pisoli
Correspondence Name:	Mr. Rahul Premprakash Goyal for M/s Vedant Infracon
Room Number:	Office No 311
Floor:	3rd Floor
Building Name:	City Tower
Road/Street Name:	Dhole Patil Road, 411001
Locality:	Camp
City:	Pune
11.Area of the project	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Applied for full potential
	IOD/IOA/Concession/Plan Approval Number: Sanction received from local planning authority
	Approved Built-up Area: 61975.68
13.Note on the initiated work (If applicable)	We have initiated the work on site under consideration for environment clearance as per the environment clearance letter no SEAC-III-2014/CR-313/TC-III dated 20th May, 2015. Completed work: FSI: 13,534.44 m2 Non FSI: 10,677.99 m2 Total BUA: 24,212.43 m2
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	59,100.00 sqm
16.Deductions	Amenity: 8,865.00 sqm
17.Net Plot area	50,235.00 sq m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 67,352.05 sq m
	b) Non FSI area (sq. m.): 40,094.72 sqm
	c) Total BUA area (sq. m.): 107446.77
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 54,244.36
	Approved Non FSI area (sq. m.): 7731.32
	Date of Approval: 24-02-2015
19.Total ground coverage (m2)	8,744.72
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	17.41%
21.Estimated cost of the project	3000000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Wing A1, 1 number (Under construction)	P+11	34.20
2	Wing A2, 1 number	LGP+UGP+11	35.70
3	Wing A3, 1 number	LGP+UGP+11	35.70
4	Wing A4, 1 number	LGP+UGP+11	35.70
5	Wing B1, 1 number (Under construction)	P+11	34.20
6	Wing B2, 1 number (Under construction)	P+11	34.20
7	Wing B3, 1 number (Under construction)	P+11	34.20
8	Wing B4, 1 number	P+11	34.20
9	Wing B5, 1 number	P+11	34.20
10	Wing B6, 1 number	P+11	34.20
11	Wing C1, 1 number	B+P+9	28.50
12	Wing C2, 1 number	B+P+9	28.50
13	Wing C3, 1 number	B+P+9	28.50
14	Wing C4, 1 number	B+P+10	31.35
15	Wing D, 1 number	LG + UG + Mezz. + 1	10.05
16	Row House, 1 number	G+2	9.00
17	Club House, 2 numbers	G+1	8.85

23.Number of tenants and shops	No of tenements: 1000 No. of shops: 29
24.Number of expected residents / users	Residential users: 5000, Commercial users: 226
25.Tenant density per hectare	199
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: kondhwa budruk fire station(8.4 kms) Road width: 15 m wide R.P Road
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	4 buildings and club house under construction as per existing EC.
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

Dry season:	**Source of water**	Pisoli Grampanchayat
	Fresh water (CMD):	476
	Recycled water - Flushing (CMD):	232
	Recycled water - Gardening (CMD):	65
	Swimming pool make up (Cum):	3, through tanker
	Total Water Requirement (CMD) :	776
	Fire fighting - Underground water tank(CMD):	595
	Fire fighting - Overhead water tank(CMD):	20 m3 per building
	Excess treated water	340
Wet season:	**Source of water**	Pisoli Grampanchayat
	Fresh water (CMD):	476
	Recycled water - Flushing (CMD):	232
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	3, through tanker
	Total Water Requirement (CMD) :	776
	Fire fighting - Underground water tank(CMD):	595
	Fire fighting - Overhead water tank(CMD):	20 m3 per building
	Excess treated water	405
Details of Swimming pool (If any)	Dimensions of Pool: 20 ft X 40 ft X 4 ft Water Requirement: 90 KL Make up volume: 3 KL (through tanker) Details of plant and machinery used for treatment of Swimming pool water: Filter, self priming pump, control panel for pump, hair and link strainer, S/F main drain in white ABS, S/F vacuum point in white ABS, S/F inlet point in white ABS, overflow grating Disinfection: chlorination			

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	476	476	Not applicable	48	48	Not applicable	428	428
Domestic	Not applicable	232	232	Not applicable	23	23	Not applicable	209	209
Gardening	Not applicable	65	65	Not applicable	65	65	Not applicable	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Summer season: 11.8 m to 19.4 m BGL, Rainy Season: 5 to 8 m BGL, Winter season: 8.40 to 13.70 m BGL
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	BA
	Quantity of recharge pits:	20
	Size of recharge pits :	2.5m x 2.5m x 1.60 m with RWH pit with 60 m deep 6” dia bore well via 2 no of 0.9 m dia 1.0 m deep de siltation pits
	Budgetary allocation (Capital cost) :	10.5
	Budgetary allocation (O & M cost) :	0.75
	Details of UGT tanks if any :	Raw water Tank: 198 m3 Domestic water tank: 391 Drinking water tank:113 Fire tank: 595
35.Storm water drainage	**Natural water drainage pattern:**	As per contour
	Quantity of storm water:	3.41 m3 /min
	Size of SWD:	External: 200 mm-750 mm dia
Sewage and Waste water	**Sewage generation in KLD:**	617
	STP technology:	Fluidized Aerobic bioreactor (FAB) Technology
	Capacity of STP (CMD):	STP 1: 245 KLD, STP 2: 265 KLD, STP 3: 140 KLD, TOTAL: 650 KLD
	Location & area of the STP:	As per services layout.
	Budgetary allocation (Capital cost):	180 Lakh
	Budgetary allocation (O & M cost):	41 lakh/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:	,392 m2 topsoil will be preserved for landscaping. Remaining excavated material will be used for back filling and levelling of the plot and remaining will be disposed to authorized sites. MSW will be handed over to ghanta gadi
Waste generation in the operation Phase:	**Dry waste:**	914 Kg/day
	Wet waste:	1443 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	43 kg/day
	Others if any:	NA
Mode of Disposal of waste:	**Dry waste:**	Will be handed over to SWACH
	Wet waste:	Will be treated in OWC
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be used as manure for landscaping
	Others if any:	NA
Area requirement:	**Location(s):**	As per services layout
	Area for the storage of waste & other material:	60 sqm X 2 OWC of 600 kg each & 1 OWC of 400 kg
	Area for machinery:	12 sqm X 2 OWC of 600 kg each & 1 OWC of 400 kg
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	43.5 lakh
	O & M cost:	24.60 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 no of 125 kVA DG set	Diesel 20.4 ltr/hr	1	4.22 m above ground	0.02	513 C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel	Not applicable	20.4 ltr/hr	20.4 ltr/hr
41.Source of Fuel		Authorised dealer		
42.Mode of Transportation of fuel to site		by road		

43.Green Belt Development	**Total RG area :**	Required: 5,910.00 m2 Provided: 10,400.06 m2
	No of trees to be cut :	NA
	Number of trees to be planted :	815
	List of proposed native trees :	Native trees are proposed
	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	Azardirachta indica	Neem	32 + 17 on boundary	Medicinal value, To control soil erosion. To improve soil erosion
2	Bauhinia racemosa	Apta	40	Every part of the plant is medicinal, Drought tolerant species.
3	Caryota urens	Fish tail palm	35	Grown in any type of soil. Very Hardy.
4	Schleicahera oleosa	Kusum	36	Native species, Fragrant flowers.
5	Dalbergia sisoo	shisav	43 + 20 on boundary	Medicinal value, Bird attracting species
6	Erythrina indica	Pangara	20	Fragrant flowers, Drought tolerant species, Birds attracting
7	Gmelina arborea	Shivan	32	Medicinal value, Drought tolerant species, Bird attracting species.
8	Mimosups elengii	Bakul	40	Fragrant flowers, Medicinal value, To control soil erosion.
9	Aegle marmelos	Bel	36	Medicinal value, Drought tolerant species,
10	Nyctanthus arbortristis	Parijatak	36	Fragrant flowers, Medicinal value,
11	Putranjiva roxburghii	Putranjiva	37	Medicinal value, Drought tolerant species,
12	Roystonia regia	Bottle palm	30	Ornamental plant, Medicinal value, Birds & bats eat fruits.

13	Murraya exotica	Kamini	40	Native species, Fragrant flowers
14	Ailanthus excelsa	Maharukh	16 + 16 on boundary	Medicinal value, Drought tolerant species.
15	Albizia lebek	Shirish	13	Medicinal for Skin, Fragrant flowers, To control soil erosion, Bird attracting species
16	Anthocephalus kadamba	Kadamb	16	Medicinal value, To control soil erosion, Birds, squirrels, monkey eat fruits.
17	Bauhinia blackiana	Kanchanraj	16	Every part of the plant is medicinal, Drought tolerant species.
18	Bauhinia purpurea	Gulabu Kanchan	16	Every part of the plant is medicinal, Drought tolerant species.
19	Butea monosperma	Palas	17	Medicinal value, Bird attracting species , To control soil erosion.
20	Cassia fistula	Bahava	20	Medicinal value, Drought tolerant species, Very ornamental, Well flowering plant, Honey bee attracting species, Host plant for Butterfly.
21	Choclospermum religiosum	Son sawar	16	Medicinal value, Native species
22	Cordia dichotoma	Bhokar	16	Medicinal value, Edible fruits,
23	Ficus arnottiana	Payar	20	Drought tolerant species, Bird attracting species. To control soil erosion.
24	Phyllanphus emblica	Awala	13	Medicinal value, Edible fruits, Bird attracting species
25	Ficus retusa	Nandruk	17	Medicinal value, Bird attracting species, Drought tolerant species, Hardy plant.
26	Mangifera indica	Mango	20	Edible fruit, Bird attracting species.
27	Michelia champaca	Son chafa	17	Medicinal value, Fragrant flowers, Butterfly larvae host plant, Bird attracting species, Fast growing.
28	Syzygium cumini	Jamun	20	Medicinal value, Edible fruit.
29	Pongamia pinnata	Karanj	16	Medicinal value, Drought tolerant species, To control soil erosion, Hardy plant.
30	Saraca indica	Sita Ashok	16	Medicinal value, Religious plant.
31	Ficus glomerrata	Unbar	20	Medicinal value, Edible fruits, Bird attracting species
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 :**	MSEDCL
	During Construction Phase: (Demand Load)	75 kVA
	DG set as Power back-up during construction phase	62.5 KVA
	During Operation phase (Connected load):	4954 KW
	During Operation phase (Demand load):	2282 KW
	Transformer:	4 x 630 kVA
	DG set as Power back-up during operation phase:	3 x 125 kVA
	Fuel used:	diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Timer logic controller 1.96
Electronic V3F drive for lifts 0.60
Solar water heater 18.61
Solar street lights 0.73

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Timer logic controller	1.96
2	Electronic V3F drive for lifts	0.60
3	Solar water heater	18.61
4	Solar street lights	0.73

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Waste water	Not applicable	STPs 1 X 245 KLD 1 X 264 KLD 1 X 140 KLD
Solid waste	Not applicable	3 X 600 Kg/day

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	110.5 lakh
	O & M cost:	8.22 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	Air	Erosion control, Dust suppression measures and barricading	3.00
2	Safety	Site safety	2.00
3	Socio economic	site sanitation	2.00
4		Disinfection and health check-up	2.00

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	STP	153.5	38.16
2	Solid waste	OWC	43.50	24.60
3	Swimming Pool	--	4.2	0.85
4	Storm water	RWH	10.5	0.75
5	Storm water	Storm water network	35.0	1.00
6	Green belt	RG area	167.92	26.87
7	Energy conservation	Energy conservation measures	110.5	8.22
8	solar	Solar water heating	140.0	2.0
9	Environmental Monitoring	monitoring	--	1.60

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
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 junction to Undri Pisoli Road

Parking details:	**Number and area of basement:**	1 Basement under C1, C2, C3 & C4 wings: 4932.71
	Number and area of podia:	Podium between wings B1 to B6 Area of the podium:2409.00 m2
	Total Parking area:	19,770.98 m2
	Area per car:	Open 25 sq m, Closed 30 sq m and basement 35 sq m
	Area per car:	Open 25 sq m, Closed 30 sq m and basement 35 sq m
	Number of 2-Wheelers as approved by competent authority:	1673
	Number of 4-Wheelers as approved by competent authority:	318
	Public Transport:	Wadachi wadi PMPML Bus stop
	Width of all Internal roads (m):	12 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 (B2)
	Court cases pending if any	NA
	Other Relevant Informations	We have initiated the work on site under consideration for environment clearance as per the environment clearance letter no SEAC-III-2014/CR-313/TC-III dated 20th May, 2015.
	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

Environment Clearance for Environment Clearance for Proposed Residential Development at S. No 14/1, 14/2, 14/3, 14/4, 14/5, 14/6, 14/7, 15/4, 16/3/3, Pisoli, Tal. Haveli, Dist Pune by M/s Vedant Infracon through Mr Rahul Premprakash Goyal.

PP submitted their application for modernization of earlier Environmental clearance for total plot area of 59100.00 Sq. Mtrs, BUA of 107446.77 Sq. Mtrs and FSI area of 67352.05 Sq. Mtrs. PP proposes to construct 15 no. of residential buildings +1 Row House +2 club house.

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

Specific Conditions by SEAC:

1) PP to submit six monthly compliance reports along with RO visit compliance report .
2) PP has proposed to lay sewer line from sewer trap chamber up to municipal line through nalla, PP to propose sewer line considering future development up stream side and redesign line accordingly.
3) PP to provide mobile toilets for labour colony by removing septic tank.
4) PP to submit cross section of drive way at 4-5 places. Along with slop and width of ramp.
5) PP to submit parking layout plan.
6) PP to submit parking statement with details of area per car as per norms.
7) PP to submit environmental status report.
8) PP to submit details of CER activities in consultation with the affected people in the project area as per MoEF & CC circular dated 1/05/2018. With details of fund utilization & agreement with executor.
9) PP to submit cross section through UGT with top of tank, and maintain 45 cm distance above the ground level.
10) PP to submit revised RG plan.

FINAL RECOMMENDATION

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

72 nd Agenda of SEAC-3 (Day-1)

SEAC Meeting number: 72 **Meeting Date** September 30, 2018

Subject: Environment Clearance for Building Construction Project

Is a Violation Case: No

1.Name of Project	Orange City Wholesale Market
2.Type of institution	Private
3.Name of Project Proponent	Nagpur Municipal Corporation
4.Name of Consultant	Mr. Rajesh Shrivastav PECS- Pollution & Ecology Control Services
5.Type of project	Commercial 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	Plot No.6, CTS 105, Sheet No.154, Old Bhandara Road, Near Harihar Mandir, Lakadganj, Nagpur
9.Taluka	Nagpur
10.Village	-
Correspondence Name:	Mr. Rajesh Dufare, Deputy Engineer - Nagpur Municipal Corporation
Room Number:	-
Floor:	4th floor
Building Name:	Nagpur Municipal Corporation, Administrative Building C wing
Road/Street Name:	Mahanagarpalika Marg
Locality:	Civil Lines
City:	Nagpur
11.Area of the project	Corporation Area
12.IOD/IOA/Concession/Plan Approval Number	Nagpur Municipal Corporation
	IOD/IOA/Concession/Plan Approval Number: MNCNagpur/Town Planning/ 197
	Approved Built-up Area: 41922.25
13.Note on the initiated work (If applicable)	Construction has been initiated. Complete Construction is 17402.30 Sqm
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	16784.6 Sqm
16.Deductions	0 Sqm
17.Net Plot area	16784.6 Sqm
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 41922.25
	b) Non FSI area (sq. m.): 39321.90
	c) Total BUA area (sq. m.): 81244.15
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 41922.25
	Approved Non FSI area (sq. m.): 2235.32
	Date of Approval: 04-05-2018
19.Total ground coverage (m2)	9740.01
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	58.03%
21.Estimated cost of the project	3809486834

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Commercial Building	2B+LG+G+7	31.8

23.Number of tenants and shops	Shops- 1073 Nos Banquet Hall- 3 Nos Hotel rooms- 50 Nos
24.Number of expected residents / users	Expected Commercial Users- 5492 Nos
25.Tenant density per hectare	640 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)	30 M wide approach road
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	Construction of 17402.30 Sqm is complete as per sanction.
30.Details of the demolition with disposal (If applicable)	Nil

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**	Nagpur Municipal Corporation
	Fresh water (CMD):	70
	Recycled water - Flushing (CMD):	64
	Recycled water - Gardening (CMD):	Gardening- 8 Cum Vehicle wash- 25 Cum
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	167
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	25
	Excess treated water	17
Wet season:	**Source of water**	Nagpur Municipal Corporation
	Fresh water (CMD):	70
	Recycled water - Flushing (CMD):	64
	Recycled water - Gardening (CMD):	Vehicle wash- 25 Cum
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	159
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	25
	Excess treated water	25
Details of Swimming pool (If any)	Not proposed	

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:**	17 m BGL
	Size and no of RWH tank(s) and Quantity:	2 Nos. of Rain water storage tanks proposed having capacity 100 Cum
	Location of the RWH tank(s):	Location Shown on plan
	Quantity of recharge pits:	Not proposed
	Size of recharge pits :	Nil
	Budgetary allocation (Capital cost) :	Rs.10.00 Lacs
	Budgetary allocation (O & M cost) :	Rs. 0.20 Lacs/Annum
	Details of UGT tanks if any :	RWH tank- 200 KLD Flushing water tank- 241 KLD Fire water tank - 200 KLD Domestic water - 268 KLD
35.Storm water drainage	**Natural water drainage pattern:**	Towards North
	Quantity of storm water:	480 Cum/day
	Size of SWD:	450 mm to 600 mm
Sewage and Waste water	**Sewage generation in KLD:**	120 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	1 No. of 120 KLD
	Location & area of the STP:	Shown on the plan
	Budgetary allocation (Capital cost):	Rs.40.00 Lacs
	Budgetary allocation (O & M cost):	Rs. 1.56 Lacs/Annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Negligible
	Disposal of the construction waste debris:	Handed over to authorized agency
Waste generation in the operation Phase:	**Dry waste:**	961 Kg/day
	Wet waste:	417 Kg/day
	Hazardous waste:	Negligible
	Biomedical waste (If applicable):	Nil
	STP Sludge (Dry sludge):	7 Kg/day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Will be managed through recyclers.
	Wet waste:	Biodegradable waste shall be processed in OWC and manure obtained shall be used for gardening/landscaping.
	Hazardous waste:	If any generated shall be handed over to authorized agency
	Biomedical waste (If applicable):	Nil
	STP Sludge (Dry sludge):	Dry sludge shall be used as manure
	Others if any:	NA
Area requirement:	**Location(s):**	Shown on Plan
	Area for the storage of waste & other material:	25 Sqm
	Area for machinery:	Considered in total area for solid waste management
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 10.00 Lacs
	O & M cost:	Rs. 0.8 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

43.Green Belt Development	**Total RG area :**	-
	No of trees to be cut :	NIL
	Number of trees to be planted :	No. of existing trees- 9 Nos. No. of trees to be planted - 210 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	Azidirachta indica	Neem	20	Evergreen & native avenues roadsides for shade, used as wind break, purifies air
2	Delonix regia	Gulmohor	20	Deciduous tree with orange red flowers, ornamental
3	Ficus rasemosa	Udumbra	20	Evergreen , native, flowering & fruiting tree with medicinal value.
4	Mangifera indica	Mango	20	Evergreen fruting tree with medicinal value
5	Gmelina arborea	Gamhar	20	Deciduous, fast growing, flowering with medicinal value.
6	Syzygium cumini	Jamun	20	Evergreen native flowering & fruiting tree.
7	Phyllanthus emblica	Awla	20	Evergreen fruiting tree with medicinal value
8	Terminalia tomentosa	Asan	20	Decidious tree with medicinal value
9	Terminalia arjuna	Arjun	30	Decidious tree with medicinal value, white flowers
10	Pongamia pinnata	Karanja	20	It is a medium sized glabrous, perrennial
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	NA
	During Operation phase (Connected load):	5286 KW
	During Operation phase (Demand load):	3440 KW
	Transformer:	1250 KVA- 1N0, 1000 KVA- 1 No, 630 KVA- 3 No, 500 KVA- 2 No
	DG set as Power back-up during operation phase:	1250 KVA- 2 No
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Power Capacitors are proposed for Common services load power factor correction and to maintain a healthy power situation.
The common area lighting are proposed to work on high energy efficient lamps LED type.
Street lighting is proposed with energy efficient LED fittings.
Lifts are proposed with regenerative drives.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Byusing LED light in common area	30%
2	VFD for lifts & high efficient pumps	30%
3	Energy efficient Ventillation fans	15 %

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. 650 Lacs
	O & M cost:	Rs. 50 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 Sprinkling	Air pollution control	2
2	Health, Safety & First Aid Facility	Health & Safety of labour	5

3	Sanitary Facility & First Aid Management	Health y of safety of labour	10
4	Environmental Monitoring	Pollution monitoring & control	6

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 pits	10.0	0.2
2	Solid waste management	In Situ Composting	10	0.8
3	Waste water Management	Sewage treatment plant	40	1.56
4	Energy Conservation	Conservation of energy	650	50
5	Landscaping	Trees plantation & landscape development	5.0	1.0
6	Environmental Monitoring	Pollution control & mitigation	0.0	2.0

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:	3 nos

Parking details:	**Number and area of basement:**	2 basements of area 21301.02 Sqm
	Number and area of podia:	NIL
	Total Parking area:	9920.7 Sqm
	Area per car:	11.5 Sqm
	Area per car:	11.5 Sqm
	Number of 2-Wheelers as approved by competent authority:	1338 Nos
	Number of 4-Wheelers as approved by competent authority:	564 Nos
	Public Transport:	NA
	Width of all Internal roads (m):	6 M wide internal road
	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

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for Building Construction Project at Plot No.6, CTS 105, Sheet No.154, Old Bhandara Road, Near Harihar Mandir, Lakadganj, Nagpur by Nagpur Municipal Corporation.

PP submitted their application for prior Environmental clearance for total plot area of 16784.6 Sq. Mtrs, BUA of 81244.15 Sq. Mtrs and FSI area of 41922.25 Sq. Mtrs. PP proposes to construct 1 commercial building.

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

Specific Conditions by SEAC:

1) PP to submit and upload details regarding mandatory RG area on virgin land along with the drawing and calculations.

FINAL RECOMMENDATION

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

72 nd Agenda of SEAC-3 (Day-1)

SEAC Meeting number: 72 **Meeting Date** September 30, 2018

Subject: Environment Clearance for proposed construction project by M/s. Skyi Pate Ventures Pvt.Ltd

Is a Violation Case: No

1.Name of Project	"SKYi STAR TOWN"
2.Type of institution	Private
3.Name of Project Proponent	Mr. Nilesh Balkrishna Pate
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	Modernization
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes
8.Location of the project	Gat No. 21 (P),
9.Taluka	Mulshi
10.Village	Bhukum
Correspondence Name:	Mr. Amit Jagtap
Room Number:	-
Floor:	-
Building Name:	Sugat Residency
Road/Street Name:	Bhusari Colony
Locality:	Kothrud
City:	Pune
11.Area of the project	PMRDA
12.IOD/IOA/Concession/Plan Approval Number	Applied
	IOD/IOA/Concession/Plan Approval Number: -
	Approved Built-up Area: 75527.22
13.Note on the initiated work (If applicable)	Earthwork (As per EC dated 26/8/2016)
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	47495 m2
16.Deductions	8917.19 m2
17.Net Plot area	38577.81 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 50080.89 m2
	b) Non FSI area (sq. m.): 25446.33 m2
	c) Total BUA area (sq. m.): 75527.22
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 43535.43 m2
	Approved Non FSI area (sq. m.): 25446.33 m2
	Date of Approval: 21-04-2018
19.Total ground coverage (m2)	5081.08 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	13.17 % Net Plot Area (38577.81 m2) 10.69 % Total Plot Area (47495 m2)
21.Estimated cost of the project	1380000000

22.Number of buildings & its configuration

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

1	Building 1	P+8	22.80
2	Building 2	P+12	34.20
3	Building 3	P+12	34.20
4	Building 4	P+12	34.20
5	Building 5	P+12	34.20
6	Amenity (2523.04 m2)	G + 1	9.20

23.Number of tenants and shops	For Residential- 856 Nos. Commercial Area – 2523.04 m2 Shop - 96 Nos
24.Number of expected residents / users	Residential Users: 4280 nos. Commercial Users: 841 nos. Total Population : 5121 nos.
25.Tenant density per hectare	180
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	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

Dry season:	**Source of water**	Grampanchayat
	Fresh water (CMD):	640.88 m3/day
	Recycled water - Flushing (CMD):	213.62 m3/day
	Recycled water - Gardening (CMD):	20.24 m3/day
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	407.02 m3/day
	Fire fighting - Underground water tank(CMD):	375 m3
	Fire fighting - Overhead water tank(CMD):	25 m3
	Excess treated water	324.71 m3/day
Wet season:	**Source of water**	Grampanchayat
	Fresh water (CMD):	620.64 m3/day
	Recycled water - Flushing (CMD):	213.62 m3/day
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	407.02 m3/day
	Fire fighting - Underground water tank(CMD):	375 m3
	Fire fighting - Overhead water tank(CMD):	25 m3
	Excess treated water	344.95 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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Post monsoon period – 5 to 6 m BGL Pre monsoon period -12 to 15 m BGL
	Size and no of RWH tank(s) and Quantity:	-
	Location of the RWH tank(s):	-
	Quantity of recharge pits:	13 Nos.
	Size of recharge pits :	1.8 m. X 1.8 m. X 2.4 m.
	Budgetary allocation (Capital cost) :	Rs 3.25 lakh
	Budgetary allocation (O & M cost) :	Rs. 0.32 lakh / year
	Details of UGT tanks if any :	Residential & Commercial: Domestic UG tank Capacity :812.45 m3 Flushing UG tank Capacity : 209.42 m3 Fire UG tank Capacity : - 375 m3
35.Storm water drainage	**Natural water drainage pattern:**	-
	Quantity of storm water:	21679m3/ Year.
	Size of SWD:	450 mm wide
Sewage and Waste water	**Sewage generation in KLD:**	558.57 m3/day
	STP technology:	MBBR
	Capacity of STP (CMD):	560 m3/day
	Location & area of the STP:	-
	Budgetary allocation (Capital cost):	Rs. 122 lakh
	Budgetary allocation (O & M cost):	Rs. 36 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:**	982 kg/day
	Wet waste:	1368 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	50.27 kg/day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Authorized vendor
	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:	90 m2
	Area for machinery:	included in other material
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs 33.75 lakh
	O & M cost:	Rs 7.97 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 - 160 KVA	HSD - 25.6 LIT/HR	S-1	2 M	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	25.6 LIT/HR	25.6 LIT/HR
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 :**	4749.5 m2
	No of trees to be cut :	-
	Number of trees to be planted :	595
	List of proposed native trees :	595
	Timeline for completion of plantation :	mid of construction

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 Champaca	Sonchafa	59	Evergreen, fragrant flower, butterfly host tree
2	Albizia Lebbeck	Shirish	56	Deciduous, shaddy tree, flowers fragrant
3	Butea Monosperma	Palas	25	Medium size, deciduous tree
4	Anthocephalus Kadamba	Kadamb	29	Medicinal use ,ball shape flowers
5	Bahuinia Purpuera	Kanchan	26	Flowering tree, attract butterfly
6	Murraya Paniculata	Kunti	31	Small tree with fragrant white flowers, butterfly host plant
7	Holarrena Pubescens	Kuda	33	Flowering plant, medicinal plant
8	Wrightia Tinctoria	Kala Kuda	34	Medicinal tree
9	Nyctanthes Arbortristis	Parijatak	37	Deciduous, fragrant flowers bee attracting
10	Mangifera Indica	Amba	38	Small deciduous fruit bearing tree
11	Bahuinia Racemosa	Apta	27	Medium size tree with beautiful pink flowers
12	Cordia Myxa	Bhokar	18	Medicinal use, edible fruits
13	Vitex Negundo	Nirgudi	25	Medicinal tree
14	Acasia Catechu	Khair	13	Decidious fruit bearing tree
15	Azadiracta Indica	Neem	10	Large tree, fruit bearing tree
16	Cassia Fistula	Bahava	106	Medium size evergreen tree, fragrant yellow flowers, butterfly host plant
17	Erythrina Indica	Pangara	28	Shady large tree bright red colour flowers attract birds
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 :**	MSEDCL
	During Construction Phase: (Demand Load)	15 KW
	DG set as Power back-up during construction phase	20 KVA
	During Operation phase (Connected load):	3787.54 KW
	During Operation phase (Demand load):	1732.48 KVA
	Transformer:	3 Nos. x 630KVA
	DG set as Power back-up during operation phase:	160 KVA – 1No.
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	YES

48.Energy saving by non-conventional method:

Using LED in parking area, lift-lobby and stair-case area of building.
Using Auto timer/Sensor in Common area, parking lighting & external lighting.
Using LED in landscape/Club house area.
All street lights with LED lamps and 50% of the same will be on solar.
Using solar water heating in 1 Master toilet in each flat.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Saving of Units per annum	94770 (kWh)
2	% Saving of Unit	33.79 %

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air	-	Green belt will be provided.
Water	-	STP will be installed & excess treated water used for flushing & gardening
Noise	-	Noise monitoring will be done in once a fortnight. 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 conservation by use of Solar Water Heater Rs.32 Lakh & Energy conservation by use of low power consumption systems and solar lighting Rs. 36 Lakh
	O & M cost:	Energy conservation by use of Solar Water Heater Rs. 3 Lakh/year & Energy conservation by use of low power consumption systems and solar lighting Rs. 3 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	-	122	36
2	RWH	-	3.25	0.32
3	MSW	-	33.75	7.97
4	Energy conservation by use of Solar Water Heater	-	32	3
5	Energy conservation by use of low power consumption systems and solar lighting	-	36	3
6	Landscaping	-	202	14
7	Safety Equipments	-	10	2.0
8	Post EC Monitoring	-	-	2.5
9	Dry Waste Management	-	-	5.13

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:**	-
	Number and area of podia:	-
	Total Parking area:	20337 m2
	Area per car:	39.18m2
	Area per car:	39.18m2
	Number of 2-Wheelers as approved by competent authority:	1391
	Number of 4-Wheelers as approved by competent authority:	519
	Public Transport:	-
	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	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	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for proposed construction project at Gat No. 21 (P), Bhukum by M/s. Skyi Pate Ventures Pvt.Ltd.

PP submitted their application for modernization of earlier Environmental clearance for total plot area of 47495 Sq. Mtrs, BUA of 75527.22 Sq. Mtrs and FSI area of 50080.89 Sq. Mtrs. PP proposes to construct 5 no. residential & commercial building +1 amenity building.

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

Specific Conditions by SEAC:

1) PP to change the location of OWC.it should be away from drive way and submit plan accordingly.
2) PP to submit details of CER activities in consultation with the affected people in the project area as per MoEF & CC circular dated 1/05/2018. With details of fund utilization & agreement with executor.
3) PP to submit site specific EMP.
4) PP to submit details of sewer line connectivity up to final disposal point.
5) PP to submit revised drawing of SWD up to disposal line along with chamber details, silt chamber also submit details of RWH recharge pit.
6) PP to submit Fire Tender Movement Plan showing clear road width of 6 meters and turning radius of 9 meters ; PP to submit cross section of roads at four places including UGT , OWC and DG set location showing clear road width 6 meter, 1.5 meter distance left from building line & spaces left for plantation, parking, service lines, foot paths, etc.
7) PP to submit cross sections of UGT.
8) PP to submit details of area per car as per norms.
9) PP to submit revised landscape plan, and rearrange the tree locations for easy vehicular movement.
10) PP to obtain and submit following NOC's: a) CFO NOC, b) Water supply NOC with quantity, c) Drainage NOC, d) Non-biodegradable waste disposal and E waste NOC.
11) PP to submit internal storm water design details.

FINAL RECOMMENDATION

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

72 nd Agenda of SEAC-3 (Day-1)

SEAC Meeting number: 72 **Meeting Date** September 30, 2018

Subject: Environment Clearance for Amendment in our previous EC letter for project by M/s Vishal Infracon(Formerly ARG Builders)

Is a Violation Case: No

1.Name of Project	Krishna Blessings
2.Type of institution	Private
3.Name of Project Proponent	Mr. Ketankumar 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. Ishwar Patel
Room Number:	401
Floor:	-
Building Name:	Om Shanti
Road/Street Name:	Bhosale Nagar
Locality:	Hadapsar
City:	Pune-411028
11.Area of the project	PMRDA
12.IOD/IOA/Concession/Plan Approval Number	In Process
	IOD/IOA/Concession/Plan Approval Number: -
	Approved Built-up Area: 28661.92
13.Note on the initiated work (If applicable)	17267.48 m2(As per previous EC received on 17th March, 2015)
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	13700.00 m2
16.Deductions	3219.50 m2
17.Net Plot area	10480.50 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 15677.25
	b) Non FSI area (sq. m.): 14352.57
	c) Total BUA area (sq. m.): 30029.82
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 15677.25 m2
	Approved Non FSI area (sq. m.): 14352.57 m2
	Date of Approval: 28-02-2018
19.Total ground coverage (m2)	2111.67 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	15.41 % of total Plot Area (13700.00 m2), 20.14 % of Net Plot Area (10480.50m2)
21.Estimated cost of the project	490000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building A	P + 11	34.35
2	Building B	2P + 11	35.70
3	Building C	2P + 11	35.70
4	Building D	2P + 11	35.70
5	Building E	P+11	34.35

23.Number of tenants and shops	Total Tenements - 300 nos.
24.Number of expected residents / users	Residential User - 1500 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)	15.00 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

Dry season:	**Source of water**	Manjari Gram Panchayat
	Fresh water (CMD):	214.4 m3/day (One time)
	Recycled water - Flushing (CMD):	67.5 m3/day
	Recycled water - Gardening (CMD):	11.90 m3/day
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	135 m3/day
	Fire fighting - Underground water tank(CMD):	200 m3
	Fire fighting - Overhead water tank(CMD):	100 m3
	Excess treated water	102.85 m3/day
Wet season:	**Source of water**	Manjari Gram Panchayat
	Fresh water (CMD):	202.5 m3/day (One time)
	Recycled water - Flushing (CMD):	67.5 m3/day
	Recycled water - Gardening (CMD):	0.00 m3/day
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	135 m3/day
	Fire fighting - Underground water tank(CMD):	200 m3
	Fire fighting - Overhead water tank(CMD):	100 m3
	Excess treated water	114.75 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	

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 – 13.00 m. to 17.33 m. BGL. , Rainy Season – 5.67 m. to 8.00 BGL. , Winter Season – 9.34 m. to 12.67 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:	7 Nos.
	Size of recharge pits :	2.0 m. X 2.0 m. X 2.0 m.
	Budgetary allocation (Capital cost) :	Rs 16.00 Lakh
	Budgetary allocation (O & M cost) :	Rs 0.50 Lakh/Year
	Details of UGT tanks if any :	Domestic UG tank Capacity – 203000 lit Flushing UG tank Capacity: 800000 Lit Fire UG tank Capacity: 200000 Lit
35.Storm water drainage	**Natural water drainage pattern:**	-
	Quantity of storm water:	9.31m3/min or 5592.93 m3/Year
	Size of SWD:	450 mm wide trench
Sewage and Waste water	**Sewage generation in KLD:**	182.25 m3/day
	STP technology:	MMBR
	Capacity of STP (CMD):	1 No. & Capacity - 200 m3/day
	Location & area of the STP:	Area = 110 m2
	Budgetary allocation (Capital cost):	Rs. 20.00 Lakh
	Budgetary allocation (O & M cost):	Rs 5.53 Lakh/Year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	12.5 kg/day
	Disposal of the construction waste debris:	Excavated earth material will be used for filling of plinth area & top soil for landscaping
Waste generation in the operation Phase:	**Dry waste:**	225 kg/day
	Wet waste:	525 kg/day
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	16.40 kg/day
	Others if any:	-

Mode of Disposal of waste:	**Dry waste:**	Through 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:	-
Area requirement:	**Location(s):**	-
	Area for the storage of waste & other material:	70 m2
	Area for machinery:	Included in other Area
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs 12.81 lakh
	O & M cost:	Rs 1.40 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 - 200 KVA – 1 No.	HSD- 34 Lit/hr	S - 1	Not applicable	As per norms	-

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	34 Lit /hr	-	34 Lit /hr
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 :**	1983.98 m2
	No of trees to be cut :	Not Applicable
	Number of trees to be planted :	144 nos.
	List of proposed native trees :	144 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	Azadirachta indica	Kadunimba	10	Semi Evergreen, Medicinal Plant
2	Bauhinia racemosa	Kanchan	10	Flowering Plant, Medicinal Plant
3	Ficus elastica	Rabar	10	Medicinal Plant
4	Michelia champaka	Pivla Chafa	8	Flowering Plant, Medicinal Plant
5	Saraca Indica	Sita Ashok	15	Shady tree with red-yellow flowers, Medicinal Plant
6	Pongamia pinnata	Karanj	15	Ornamental Plant, Medicinal Plant, Shady tree
7	Mangifera indica	Aamba	10	Fruit bearing Plant
8	Albizia lebbeck	Shirish	15	Shady Tree, yellowish green fragrant flowers
9	Anthocephallus cadamba	Kadamb	12	Shady, large tree, ball shaped flowers
10	Cassia fistula	Bahava	15	Medium deciduous tree, yellow flowers
11	Erythrina variegata	Pangara	12	Medium deciduous tree, Bright scarlet flowers
12	Nyctanthes arbor-tristis	Parijatak	12	Fast growing tree, beautiful 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	-	-	-

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	70 KW
	DG set as Power back-up during construction phase	82.5 KVA - 1no.
	During Operation phase (Connected load):	1312 KW
	During Operation phase (Demand load):	1050 KW
	Transformer:	22 KV/630 KVA - 2 No.
	DG set as Power back-up during operation phase:	200 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:

• Energy Saving measures – CFL, LED, Solar, etc.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total Energy Saving in KW	551 KWH

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 14.0 Lakh
	O & M cost:	Rs. 0.70 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	1.00 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	-	Rs 20.0 Lakh	Rs 5.53 Lakh / Year
2	RWH	-	Rs 16.0 Lakh	Rs 0.50 Lakh / Year
3	MSW	-	Rs 12.81 Lakh	Rs 1.4 Lakh/Year
4	Solar system	-	Rs 14.0 Lakh	Rs 0.70 Lakh/Year
5	Landscape	-	Rs.12.80 Lakh	Rs 0.60 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. 1.80 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:**	Not applicable
	Number and area of podia:	2637.52 m2
	Total Parking area:	4749.19 m2
	Area per car:	55.22 m2
	Area per car:	55.22 m2
	Number of 2-Wheelers as approved by competent authority:	355 Nos.
	Number of 4-Wheelers as approved by competent authority:	86 Nos.
	Public Transport:	Not applicable
	Width of all Internal roads (m):	15 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

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for Amendment in our previous EC letter for project at S.No.80, H.No.2/1, Manjari BK, by M/s Vishal Infracon (Formerly ARG Builders).

PP submitted their application for modernization of earlier Environmental clearance for total plot area of 13700.0 Sq. Mtrs, BUA of 30029.82 Sq. Mtrs and FSI area of 15677.25 Sq. Mtrs. PP proposes to construct 5 no. of residential buildings.

DECISION OF SEAC

PP remains absent, hence committee decided to defer the proposal.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

72 nd Agenda of SEAC-3 (Day-1)

SEAC Meeting number: 72 **Meeting Date** September 30, 2018

Subject: Environment Clearance for Integrated Special Township at Gat nos. 1 to 21, 23 to 41, 43 to 57, 58/A to D, 59 to 75, 76/2, 77 to 124, 126 to 129, 202, 400, 405, 407, 419, 443, 448, 460, 471, 483, 509, 511, 520, 523, 540/1 to 3, 541, 543, 551 to 553, 1059 to 1068, 1070 to 1077, 1081 to 1093, 1099 to 1111, 1125 to 1131, 1132/1 to 1132/3, 1136 to 1149, 1150 (part), 1151, 1152/ 1 & 2, 1153 to 1156, 1158, 1159, 1160/ 1 to 5, 1163 to 1167, village Kadamvakvasti, Tal. Haveli, Dist. Pune, State - Maharashtra

Is a Violation Case: No

1.Name of Project	Riverview City
2.Type of institution	Private
3.Name of Project Proponent	Mr. Satish Dattatraya Magar
4.Name of Consultant	NABET Accrediated Environnemental 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	Integrated Special Township
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 nos. 1 to 21, 23 to 41, 43 to 57, 58/A to D, 59 to75, 76/2, 77 to 124, 126 to 129, 202, 400, 405, 407, 419, 443, 448, 460, 471, 483, 509, 511, 520, 523, 540/1 to 3, 541, 543, 551 to 553, 1059 to 1068, 1070 to 1077, 1081 to 1093, 1099 to 1111, 1125 to 1131, 1132/1 to 1132/3, 1136 to 1149, 1150 (part), 1151, 1152/ 1 & 2, 1153 to 1156, 1158, 1159, 1160/ 1 to 5, 1163 to 1167, village Kadamvakvasti, Tal. Haveli, Dist. Pune, State - Maharashtra
9.Taluka	Haveli
10.Village	Kadamwakvasti
Correspondence Name:	Riverview City Constructions Limited
Room Number:	13
Floor:	NA
Building Name:	"Megaspace"
Road/Street Name:	Sholapur Bazaar Road, Off East Street
Locality:	Camp
City:	Pune
11.Area of the project	Grampanchayat Kadamwakvasti, Pune, Sanctioning Authority: PMRDA
12.IOD/IOA/Concession/Plan Approval Number	(i) Notification for Development of Townships, No. TPS 1804/Pune R. P. DCR/UD-13 dated 16.11.2005 (ii) Notification for Locational Clearance, No. TPS- 1813/392/12/CR-572/13/UD-13 dated 20.10.2015 (iii) Corrigendum in Notification for Locational Clearance, No. TPS-1813/392/12/CR-572/13/UD-13 dated 01.06.2016 (iv) Notification for Locational Clearance, No. TPS-1816/03/CR.29/17/UD-13 dated 30.12.2016
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 5793958
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.)	21,03,951.00 m2
16.Deductions	1,57,000 m2
17.Net Plot area	19,46,951 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 38,98,837
	b) Non FSI area (sq. m.): 1895121
	c) Total BUA area (sq. m.): 5793958

18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** As per ITP EC to be achieved before sanctioning master plan.
	Approved Non FSI area (sq. m.): NA
	Date of Approval: 01-01-1900
19.Total ground coverage (m2)	10,26,840
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	49.81 %
21.Estimated cost of the project	59410600000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	RVR1 - Type 3, Number of Building - 5	P+22	67.80
2	RVR1 - Type 4, Number of Building - 2	P+P+STILT+22	74.40
3	RVR1 - Type 5, Number of Building - 2	P+P+STILT+30	97.60
4	RVR2 - Type 3, Number of Building - 2	P+22	67.80
5	RVR2 - Type 4, Number of Building - 2	P+30	91.00
6	RVR3 - Type 5, Number of Building - 2	P+P+STILT+30	97.60
7	RVR3 - Type 4, Number of Building - 2	P+P+STILT+22	74.40
8	RVR3 - Type 3, Number of Building - 3	P+P+STILT+22	74.40
9	RVR4 - Type 3, Number of Building - 3	P+P+STILT+31	99.80
10	RVR5 - Type 1, Number of Building - 5	P+14	44.05
11	RVR6 - Type 1, Number of Building - 3	P+9	26.45
12	RVR7 - Type 1, Number of Building - 5	P+14	44.05
13	RVR8 - Type 3, Number of Building - 10	P+P+STILT+31	99.80
14	RVR8 - Type 4, Number of Building - 2	P+P+STILT+31	99.80
15	RVR8 - Type 5, Number of Building - 2	P+P+STILT+31	99.80
16	RVR9 - Type 1, Number of Building - 4	P+11	32.30
17	RVR10, Bunglows	70 Bunglows	12.00
18	RVR11, Bunglows	65 Bunglows	12.00
19	RVR12 - Type 2, Number of Building - 4	P+31	93.90
20	RVR13 - Type 3, Number of Building - 4	P+P+STILT+31	99.80
21	RVR13 - Type 3, Number of Building - 1	P+P+STILT+31	99.80

22	RVR13 - Type 4, Number of Building - 5	P+P+STILT+31	99.80
23	RVR14 - Type 3, Number of Building - 9	P+P+STILT+31	99.80
24	RVR15 - Type 5, Number of Building - 2	P+31	93.90
25	RVR16 - Type 3, Number of Building - 3	P+P+STILT+31	99.80
26	RVR17 - Type 3, Number of Building - 9	P+P+STILT+31	99.80
27	RVR17 - Type 5, Number of Building - 4	P+P+STILT+31	99.80
28	RVR17 - Type 4, Number of Building - 3	P+P+STILT+31	99.80
29	RVR18 - Type 4, Number of Building - 8	P+31	93.90
30	RVR19 - Type 5, Number of Building - 7	P+31	93.90
31	RVR20 - Type 3, Number of Building - 5	P+P+STILT+31	99.80
32	RVR20 - Type 4, Number of Building - 3	P+P+STILT+31	99.80
33	RVR20 - Type 5, Number of Building - 2	P+P+STILT+31	99.80
34	RVR21 - Type 3, Number of Building - 3	P+P+STILT+31	99.80
35	RVR21 - Type 3, Number of Building - 1	P+P+STILT+31	99.80
36	RVR21 - Type 4, Number of Building - 4	P+P+STILT+31	99.80
37	RVR22 - Type 5, Number of Building - 4	P+P+STILT+31	99.80
38	RVR22 - Type 4, Number of Building - 3	P+P+STILT+31	99.80
39	RVR23 - Type 4, Number of Building - 5	P+P+STILT+31	99.80
40	RVR23 - Type 5, Number of Building - 3	P+P+STILT+31	99.80
41	RVR24 - Type 3, Number of Building - 6	P+P+STILT+31	99.80
42	RVR24 - Type 4, Number of Building - 2	P+P+STILT+31	99.80
43	RVR25 - Type 1, Number of Building - 6	P+14	44.05
44	RVA2 - Primary School, Number of Building - 1	G+3	14.85
45	RVA3 - Assembly Hall, Number of Building - 1	G	5
46	RVA4 - Primary & Secondary School, Number of Building - 1	G+3	14.85
47	RVA5 - Primary & Secondary School, Number of Building - 1	G+3	14.85

48	RVC1 - Shopping Center, Number of Building - 1	G+2	12.90
49	RVC2 - IT Park, Number of Building - 3	P+P+9	40.80
50	RVC3 - Shopping Center, Number of Building - 1	P+5	22.20
51	RVC4 - Shopping Center, Number of Building - 1	P+5	22.20
52	RVC5 - Shopping Center, Number of Building - 1	P+7	29.40
53	RVC6 - Shopping Center, Number of Building - 2	P+7	29.40
54	RVC7 - Office Complex, Number of Building - 2	P+P+9	40.80
55	RVC8 - Office Complex, Number of Building - 3	P+P+9	40.80
56	RVC9 - Commercial Complex, Number of Building - 2	P+8	33
57	RVC9 - Commercial Complex, Number of Building - 1	P+P+8	37.20
58	RVC9 - Commercial Complex, Number of Building - 1	P+P+8	37.20
59	RVC9 - Commercial Complex, Number of Building - 1	P+P+12	51.60
60	RVA1 - Hospital, Number of Building - 1	LG +UG +5	22.00

23.Number of tenants and shops	160 buildings & 135 bunglows with 36347 tenements, One 100 beds hospitals, 3 Schools, 19 Commercial Buildings and Other Public Utilities such as Public Parking 3 Nos., Biogas plant, EHV sub station, Police station, Solid waste management plant, Bus station, HV sub station 4 Nos., STP 4 Nos, Fire brigade station, WTP, Burial ground & Cemetry, Cremation ground
24.Number of expected residents / users	Expected Residential users: 181735, Expected Non-residential users: 72,685, Expected Total Population: 254435
25.Tenant density per hectare	1212 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. As this is Integrated Township Project, Fire Station shall be provided within premises.
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	Small huts and homes of villagers and some temporary structures
30.Details of the demolition with disposal (If applicable)	Small huts and homes of villagers and some temporary structures shall be demolished

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**	Irrigation Department - Khadakwasla R B Canal
	Fresh water (CMD):	17713 m3/day
	Recycled water - Flushing (CMD):	9901 m3/day
	Recycled water - Gardening (CMD):	2728 m3/day
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	41160 m3/day
	Fire fighting - Underground water tank(CMD):	8350 m3
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	152 m3/day
Wet season:	**Source of water**	Irrigation Department - Khadakwasla R B Canal
	Fresh water (CMD):	17713 m3/day
	Recycled water - Flushing (CMD):	9901 m3/day
	Recycled water - Gardening (CMD):	Nil
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	38004 m3/day
	Fire fighting - Underground water tank(CMD):	8350 m3
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	3317 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	27614	27614	Not applicable	2761	2761	Not applicable	24853	24853

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	About 15 meter
	Size and no of RWH tank(s) and Quantity:	Some of the Existing Dug wells will be used as Rain Water Storage.
	Location of the RWH tank(s):	Seasonal Stream will be used for Rain water storage with Bund walls.
	Quantity of recharge pits:	100
	Size of recharge pits :	2 m X 2 m X 2 m
	Budgetary allocation (Capital cost) :	105 lacs
	Budgetary allocation (O & M cost) :	10 lacs
	Details of UGT tanks if any :	Domestic Water tank (1.5 DAY CAP): 26500 m3, Flushing Water tank M3 (1 DAY CAP): 9816 m3, Fire Fighting Water Tank: 8350 m3
35.Storm water drainage	**Natural water drainage pattern:**	by open drain channels/ pipelines
	Quantity of storm water:	Peak runoff-1823 cum/min
	Size of SWD:	300-600 mm wide
Sewage and Waste water	**Sewage generation in KLD:**	24835
	STP technology:	MBR
	Capacity of STP (CMD):	Number of STP - 4, Capacity of STP - 26110 m3/day
	Location & area of the STP:	Sewage Treatment plants are located at 4 different locations considering the existing contour levels. Total Area of STP's - 21686 sq. m
	Budgetary allocation (Capital cost):	8130 Lacs
	Budgetary allocation (O & M cost):	1440 Lacs
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	525 kg/day
	Disposal of the construction waste debris:	Non structural applications such as Kerb Stones, drain covers, paving blocks in pedestrian area
Waste generation in the operation Phase:	**Dry waste:**	37169 kg/day
	Wet waste:	62662 kg/day
	Hazardous waste:	As per Generation (Handed over to authorized collection and reprocessing agency)
	Biomedical waste (If applicable):	29 kg/day
	STP Sludge (Dry sludge):	2459 kg/day
	Others if any:	E-Waste: As per generation (Handed over to authorized agency)

Mode of Disposal of waste:	**Dry waste:**	Handed over to Authorized Recycling Agency
	Wet waste:	Biogas plant & Vermicompost
	Hazardous waste:	Handed over to authorized agency
	Biomedical waste (If applicable):	Handed over to authorized agency
	STP Sludge (Dry sludge):	Used as soil richner after drying for landscaping
	Others if any:	E-Waste will be handed over to authorized agency
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	178.37 m2
	Area for machinery:	Total area for SWM - 6020 m2, Area for machinary - 4533.67 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	250 lacs
	O & M cost:	10.2 lacs

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	-	5.5 - 9.0	7 - 8	7-8
2	COD	mg/l	700-800	<250	<50
3	BOD	mg/l	250-300	<100	<20
4	TSS	mg/l	100-200	<100	<50
5	Oil & Grease	mg/l	50-70	20	<10

Amount of effluent generation (CMD):	34.20 m3/day
Capacity of the ETP:	As per requirement
Amount of treated effluent recycled :	30 m3/day
Amount of water send to the CETP:	Not applicable
Membership of CETP (if require):	Not applicable
Note on ETP technology to be used	The incoming Sewage will be passed through bar screen chamber for screening. Screening is necessary to remove the coarse/fine particles from the Sewage. So that these particles do not clog the pump. The Screened Sewage is then transferred to the equalization tank where any hydraulic as well as organic variations will be dampened. Aeration will be provided to Equalized sewage for agitation & enhance oxygen content. Partially aerated sewage will be further transfer to settling tank. Excess Suspe
Disposal of the ETP sludge	Sent to authorized bio-medical waste handling agency

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	DG oil	Schedule IV, Item No. 20	litres	Not applicable	450 L/d	450 L/d	Used Oil will be handed over to authorized collection agency for disposal
2	Used Lead Acid Batteries	Schedule IV, Item No. 17	Number	Not applicable	As per generation	As per generation	Sold to authorized agency

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 - 126 Number	Diesel - 450 L/d	126	6	0.15	35 degree

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel	Not applicable	450 Liters	450 Liters
41.Source of Fuel		local supplier		
42.Mode of Transportation of fuel to site		local supplier		

43.Green Belt Development	**Total RG area :**	RG area on Ground-420790 m2, RG area on Podium-9985 m2, Total RG area- 430775.2 m2
	No of trees to be cut :	260
	Number of trees to be planted :	32525
	List of proposed native trees :	31955
	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	Acacia nilotica	Babul	104	It is larval host for butterfly common grass yellow.
2	Acacia suma	Kadar	104	The tree is primarily grown for its durable wood, gum edible, and medicinal properties.
3	Alstonia scholaris	Saptaparni	104	Attracts bees during flowering. Being tall serves as nesting.
4	Amoora rohituka	Pithraj	104	Evergreen Tree, used as traditional medicine for cancer, tumor, liver and spleen disease.
5	Annona reticulata	Custard apple-Sitaphal	104	Annona reticulata is a small deciduous or semi-evergreen tree, best known for its fruit known as custard apple.
6	Anoegissus acuminata	Dhawada	104	Attracts insects while flowering. Planted for restoration.
7	Achras Sapota	Chickoo	104	It is tropical evergreen tree.
8	Bauhunia purpurea	Rakta Kanchan	104	It is a small to medium-sized deciduous fast-growing shrub or tree known as Butterfly tree.
9	Bombax ceiba	Silk cotton tree	104	Food plant for humans, birds.
10	Butea monosperma	Palas	104	Used in afforestation of saline and waterlogged regions.
11	Careya arborea	Kumbha	104	Larval host to butterfly grey count Fruits favoured by wild animals

12	Cassia fistula	Bahawa	104	Larval host for butterflies like common emigrant, etc
13	Cocos nucifera	Nariyal	104	It is a large palm, growing to 30 m tall, with pinnate leaves 4-6 m long.
14	Cordia dichotoma	Bhokar	104	Attracts fruit eating birds. Hardy, sturdy species. Drought tolerant.
15	Crateva adansonii	Varun	104	It is larval host for butterflies psyche, striped albatross.
16	Dalbergia lanceolaria	Phashi	154	Attracts insects while flowering. Nitrogen fixing tree, suitable for restoration.
17	Dalbergia latifoila	Shisam	104	Larval host for butterflies chestnut streaked sailer, etc.
18	Diospyros peregrina	Tembhurni	104	Fruits are readily eaten by birds.
19	Erythrina stricta	Pangara	104	Attracts lot of birds during flowering.
20	Ficus benghalensis	Banyan	50	Larval host for butterflies like common Indian crow, Fruiting trees attract fruit eating birds
21	Ficus elastica	Rubber fig	50	It is popular ornamental tree grown in the world, known as rubber tree
22	Garcinia indica	Kokum	104	Evergreen tree good for creating perennial greenery.
23	Gmelina arborea	Gambhari	104	Good for plantation for restoration.
24	Haldina cordifolia	Hedu	104	It is a deciduous tree with a large crown; generaly growing from 18 - 30 metres tall, specimens up to 45 metres have been recorded.
25	Holarrhena pubescens	Kuda	104	It is larval lost for butterfly common Indian crow.
26	Lagerstroemia microcarpa	Nana	104	Larval host for butterflies large oakblue. Attracts bees and butterflies.
27	Macaranga peltata	Chandada	104	Small dioecious tree; Flowers greenish yellow, male in dense panicles, concealed in large bracts, female in smaller panicles, seeds black.
28	Mangifera indica	Mango	104	Fruits are eaten by wild animals. Larval host for butterfly common baron.
29	Manilkara hexandra	Khirni	104	Evergreen tree, grows up to 20 m height.
30	Mesua ferrea	Nagchapha	104	Important species in cores or interior of forest
31	Mimusops elengi	Bakul	104	Fruits are eaten by animals.
32	Psidium guajava	Guaua	104	Evergreen tree good for creating perennial greenery.
33	Psidium guajava	Guaua	104	Evergreen tree good for creating perennial greenery.

34	Pterocarpus marsupium	Bija	104	It is a medium to large, deciduous tree that can grow up to 30 metres tall.
35	Pterospermum acerifolium	Muchkund	104	It is most likely to grow naturally along forested stream banks.
36	Putranjiva roxburghii	Jivanputra	154	Fast growing, evergreen tree, growing up to 12 m in height, having medicinal properties.
37	Sapindus laurifolius	Ritha	104	It is larval host for butterfly indigo flash.
38	Saraca asoca	Sita ashok	104	It is larval host for butterfly like common cerulean
39	Polyalthia longifolio	Ashoka tree	104	The Ashoka tree is native to India, is a lofty evergreen tree, commonly planted due to its effectiveness in controlling noise pollution.
40	Semecarpus anacardium	Bibba	104	It is deciduous tree, 10-15 m wide tall, Fruits attracts birds.
41	Spondias pinnata	Ambada	104	It is deciduous tree, 10-15 m wide tall, Fruits attracts birds.
42	Tamarindus indica	Chinch	104	Fruits are favored by wild animals. Good for shade, reduces temperature.
43	Terminalia catappa	Indian almond	104	Indian almonds are spreading trees with large, leathery, oval leaves which turn red before they fall. The tree has a distinctive shape.
44	Thespesia populnea	Bhend	104	It is larval host for butterfly chestnut streaked sailer.
45	Trema orientalis	Kharal	104	Favored by birds while fruiting. A sturdy, fast growing plant
46	Wrightia tinctoria	Kala kuda	104	Fast growing, sturdy plant
47	Ziziphus mauritiana	Bor	104	It is larval host for butterflies indigo flash. Slate flash and tussar silk moth.
48	Bambusa arundinacea	Kalak	633	It is larval host for butterflies like madrasace, dark palm dart, etc.
49	Dendrocalamus strictus	Meskati	633	Hardy and sturdy plants, drought resistant, fast growing.
50	Ficus hispida	Kal umbar	633	Fruiting trees attract fruit eating birds. Larval host for butterflies like brown king crow, etc.
51	Ficus racemosa	Umbar	633	Fruiting trees attract fruit eating birds. Larval host for butterflies like silver streak blue,etc.
52	Neolamarckia cadamba	Kadamb	633	Broad leaved trees attract many birds and insects while flowering and fruiting.
53	Pongamia pinnata	Karanj	633	It is larval host for butterflies chestnut streaked sailer, dark cerulean,etc.
54	Salix tetrasperma	Walunj	633	It is larval host for butterfly common leopard.

55	Syzygium cumini	Jambhul	633	Attracts many birds while fruiting. Good for plantation in restoration.
56	Terminalia cuneata	Arjun	633	Evergreen trees, to 30 m, bole often buttressed; bark 6-8 mm thick, surface pinkish-grey, smooth, flaking off in thin layers; blaze pink; exudation red, gummy; branchlets drooping.
57	Bauhunia racemosa	Apple	181	It is larval host for butterfly common emigrant.
58	Citrus limon	Lemon tree	181	Nontoxic insecticide treatment
59	Mallotus philippensis	Kunku	181	It is a plant in the spurge family. It is known as the kamala tree or red kamala or kumkum tree, due to the fruit covering, which produces a red dye.
60	Murraya koenigii	Kadhipatta	181	It is larval host for butterflies like lime
61	Murraya paniculata	Orange Jasmine / Kamini	181	Blooms most of the year, Flower attract Honeybees.
62	Nyctanthes arbor tristis	Parijatak	181	Blooms most of the year, Flower attract Honeybees.
63	Vitex negundo	Nirgundi	181	Attracts a lot of butterflies and birds. Forms a good screen or wind break
64	Calophyllum inophyllum	Undi	181	Flower attract Honeybees
65	Ficus microcarpa	Nandruk	181	It is larval host for butterflies. Attracts birds while fruiting.
66	Ficus religiosa	Pimpal	181	It is larval host for butterflies. Attracts birds while fruiting.
67	Heterophragma quadriloculare	Waras	181	Profusely fruiting trees attract a lot of fruit eating birds.
68	Madhuca latifolia	Indian Butter Tree	181	It is a fast-growing tree that grows to approximately 20 meters in height, possesses evergreen or semi-evergreen foliage.
69	Schleichera oleosa	Kusum tree	181	It is larval host for butterflies malayan, western centaur oakblue, common hedge
70	Terminalia cuneata	Arjun	181	Evergreen trees, grows up to 30 m height, bole often buttressed; bark 6-8 mm thick, surface pinkish-grey, smooth, flaking off in thin layers; blaze pink; exudation red, gummy; branchlets drooping. Leaves simple, opposite to alternate.
71	Albizia procera	Kinhai	3249	It is larval host for butterflies- common grass yellow , three spot grass yellow
72	Madhuca longifolia	Mahua	3252	Flowering attracts many insects.
73	Melia dubia	Limbara	3249	Large deciduous and fast growing tree with wide spreading branches on a stout, straight, tall bole.

74	Michelia champaca	Champa	3249	Trees, buttressed, up to 30 m tall. Trunk & Bark. Bark grey, lenticellate; blaze cream with orange speckles.
75	Mitragyna parvifolia	Kalam	3249	It is larval host for butterfly commander.
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	Bahuniatomentosa (Yellow orchid tree)	1.2 m	718.9
2	Cestrum nocturnum (Ratrani)	0.9 m	718.9
3	Vitex negundo (Nirgundi)	0.9 m	718.9
4	Hamelia patens (Muna)	1.2 m	718.9
5	Dendrocalamus strictus (Bamboo)	1.8 m	718.9
6	Nyctanthes arbortristis (Prajakta)	1.2 m	718.9
7	Gardenia gummifera (Dikemali)	1.2 m	718.9
8	Wrightia tinctoria (Kalakuda)	1.2 m	718.9
9	Mallotus philippensis (Kamala tree)	1.2 m	718.9
10	Howea forsteriana (Paradise palm)	1.2 m	718.9
11	Holarrhena pubscens (Kuda)	1.2 m	718.9
12	Murraya exotica/paniculata (Kamini)	1.2 m	718.9
13	Glochidion ellipticum (Bhoma)	1.2 m	718.9
14	Nerium indicum (Kaner)	1.2 m	718.9
15	Plumeria acutifolia/ alba (Frangipani)	2.5 m	718.9
16	Caryataurens (Fishtail)	2.5 m	718.9
17	Phoenix sylvestris (Khajur)	2.5 m	718.9
18	Michelia alba (White champa)	2.5 m	718.9
19	Woodfordia fruticosa (Dhayati)	0.9 m	718.9
20	Carissa congesta (Karvanda)	0.9 m	718.9
21	Leea indica (Dinda)	0.6 m	-
22	Clerodendron inerme (Koynel)	0.6 m	-
23	Rhapis humilis	0.6 m	-
24	Ixora coccinea (Rugmini)	0.45 m	-
25	Dracaena reflexa (Song of India)	0.45 m	-

26	Eranthemum nigrum	0.45 m	-
27	Barleria cristata	0.45 m	-
28	Stachytarpheta indica	0.45 m	-
29	Pseuderanthemumreti culatum	0.45 m	-

47.Energy

Power requirement:	**Source of power supply :**	Maharashtra State Electricity Distribution Co. Ltd. (MSEDCL)
	During Construction Phase: (Demand Load)	5 MVA
	DG set as Power back-up during construction phase	5 MVA
	During Operation phase (Connected load):	3,42,916 kW
	During Operation phase (Demand load):	1,58,913 kW
	Transformer:	200 kVA - 3 Number, 315 kVA - 1 Number, 500 kVA - 1 Number, 630 kVA - 166 Number, 1000 kVA - 37 Number, 1250 kVA - 14 Number
	DG set as Power back-up during operation phase:	126 Nos. (Ranging from 15 kVA to 1000 kVA)
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Total Energy Requirement - 3,81,46,320 kWH,
Maximum savings due to Use of LED - 3,35,472 kWH,
Maximum saving due to Solar Water Heating system - 40,97,190 kWH,
Maximum saving due to conversion of biogas to electricity - 78,948 kWH,
Total Energy Saving - 45,11,610 kWH,
Thus, Percentage Saving : 11.82%

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Maximum savings due to Use of LED	335472 kWH
2	Maximum savings due to Solar Water Heating System	4097190 kWH
3	Maximum savings due to conversion of biogas to electricity	78948 kWH

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Sewage	Not Available	Total Capacity of STP - 26110 m3/day
Biodegradable Waste	Not Available	Biogas plant capacity - 5 T; Vermicompost - 60 beds of Size - 15 × 5 F
Dust	Not Available	STP Treated Water - 437 m3/day

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	812.60 Cr
	O & M cost:	24 Cr

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	STP Cost	Civil and Equipment Cost along with Operation and Maintenance Cost	115
2	Mobile Toilets	100 Number of Mobile Toilets on rent monthly basis	84

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	8130	1440
2	Rain water harvesting	Ground Water Recharge	105	10
3	Environmental Monitoring	Ambient Air, Water, Noise, Soil	-	83.82
4	Solar System	For Hot Water	3551	2.25
5	Gardening (Including Transplantation)	Green Belt Development	6311.85	420.79
6	Solid Waste	Solid Waste Management	250	10.2
7	Water Treatment Plant	Civil and Equipment Cost along with Operation and Maintenance Cost	1260	331
8	Disaster Management	contegency	5106	3766

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
Diesel	inflammable	Not applicable	As required	450 L/day	13500 L/month	Local Supplier	Local Supplier

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Multiple
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	Multiple, Approximately about 8,94,402 m2
	Total Parking area:	614446.61 m2
	Area per car:	12.5 m2 excluding driveway, 25 m2 including driveway
	Area per car:	12.5 m2 excluding driveway, 25 m2 including driveway
	Number of 2-Wheelers as approved by competent authority:	104141
	Number of 4-Wheelers as approved by competent authority:	26661
	Public Transport:	Local Municipal bus services on main road (NH65), Local train service from Loni railway station to city
	Width of all Internal roads (m):	9m, 12m, 15m, 18 m, 24 m, 30 m (varies)
	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.	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

Environment Clearance for Integrated Special Township at Gat nos. 1 to 21, 23 to 41, 43 to 57, 58/A to D, 59 to 75, 76/2, 77 to 124, 126 to 129, 202, 400, 405, 407, 419, 443, 448, 460, 471, 483, 509, 511, 520, 523, 540/1 to 3, 541,543, 551 to 553, 1059 to 1068, 1070 to 1077, 1081 to 1093, 1099 to 1111, 1125 to 1131, 1132/1 to 1132/3, 1136 to 1149,1150 (part), 1151, 1152/ 1 & 2, 1153 to 1156, 1158, 1159, 1160/ 1 to 5, 1163 to 1167, village Kadamvakvasti, Tal. Haveli,Dist. Pune, Riverview City by Mr. Satish Dattatraya Magar.

PP submitted their application for modernization of earlier Environmental clearance for total plot area of 21,03,951.00 Sq. Mtrs, BUA of 5793958 Sq. Mtrs and FSI area of 3898837 Sq. Mtrs. PP proposes to construct 160 no. residential buildings+19 commercial buildings +135 bungalows +1 hundred bed hospital+ 3 school buildings+ 3 amenity buildings+ biogas plant + EHV substation+ police station + SWM plant + bus station+ 4 HV substation + 4 STP+ Fire brigade station + WTP.

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.

PP submitted their application for prior Environmental clearance for total plot area of 21,03,951.00 Sq. Mtrs, FSI area of 38,98,837 Sq. Mtrs, Non FSI area of 18,95,121 Sq.m and total BUA of 57,93,958 Sq. Mtrs. PP proposes to construct total 82 buildings and 135 Bunglows. The Proposed Integrated Special Township is located at village Kadamvakvasti, Tal. Haveli, Dist. Pune, State – Maharashtra, where the Project Proponent and 176 original Land Owners have come together to implement this as Joint Venture Development.This project is an Integrated Township Project, under the Amendments of Maharashtra Regional & Planning Act 1966 Township Act, 1966 (Act 43) for which Locational Clearance from Urban development department, Maharashtra State is already obtained. The total plot area under Locational Clearance is 21,03,951.00 m2. (via Letter No. TPS/1816/03/CR 29/17/UD-13 dated 31.03.2017) The project comprises of 160 residential buildings & 135 bungalows containing total of 36,347 numbers of tenement and having floors in the range of 2 to 31 floors. This is supported by 3 primary and secondary school buildings, 19 commercial building, one 100-bedded hospital and public utilities. The proposed project does not involve forest land and R&R associated problems. All permissions with respect to water requirement, electricity supply and local acceptance for the proposed project have been furnished. Considering the proposed development for healthful dwelling, Environmental Impact Assessment (EIA) was conducted defining study area of 2 km radius from project boundary for Environmental monitoring while for studying the environmental sensitivity a radius of 10 km is considered. Baseline study was conducted during the period of October to December 2016 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

After detail discussion of the case, committee shared the observations with the PP in respect to Land environment & water Pollution and asked to submit information to the committee for further discussion and consideration of SEAC and asked the PP for detail presentation on Noise, Traffic and Energy chapter in the next meeting and also PP shall make detail presentation regarding EIA studies/TOR on Noise, Traffic and Energy chapter. The committee shall perform the site visit as an when necessary.

Specific Conditions by SEAC:

1) 1. PP to submit phase-wise layout Plan with wind direction.
2) 2. PP to submit master layout marking crematorium and showing green space around the same.
3) 3. PP to redraft water requirement for total year.
4) 4. PP to submit hardcopy of drainage map.
5) 5. PP to submit noise level monitoring details along with the standard limits for the locations within plot.
6) 6. PP to submit hard copy of Detailed Traffic Report.
7) 7. PP to submit hard copy of Geo-hydrological Report.
8) 8. PP to submit hard copy of agreement for use of excess treated water.
9) 9. PP to submit original & duplicate copies of indemnity bond.
10) 10. PP to submit hard copy of plumbing service layout maps.
11) 11. PP to submit hard copies of Sewage Treatment Plant (STP) drawings.
12) 12. PP to submit hard copies of Water Treatment Plant (WTP) drawings.
13) 13. PP to provide disposal method for rejects generated from STP.
14) 14. PP to provide mist technology for electrical fire management.
15) 15. PP to clarify the use of treated water from STP and submit copies of agreements for use of excess treated water.
16) 16. PP to obtain specific NOC from the respective department of GOM for sustainable water supply to the project.
17) 17. PP to submit following details regarding Ecology & biodiversity : (a) Phase wise plan and proposed list of plantation and undertaking for the same. (b) photo / video shooting during plantation. (c) PP to make sure transplantation of trees is successful and in case of failure PP shall compensate by planting new trees. (d) carry patch wise cultivation of fruit bearing trees. (e) submit list of endemic and endangered species. (f) clarify vegetation of small ponds. (g) submit list of birds and butterflies in the study area. (h) PP not to plant Alstonia species. (i) PP shall not initiate work till NOC from tree authority is received.
18) 18. PP to submit following details regarding solid waste management : (a) PP to prefer normal composting instead of vermicomposting. (b) PP to submit details of storage / disposal facility for hazardous waste during construction phase. (c) PP to earmark collection areas for secondary collection. (d) PP to provide agreement with dry waste collection agency. (e) PP to revise quantity of solid waste generated in phases and submit agreements made with the treatment & disposal agencies. (f) STP sludge shall be disposed to OWC inlet. (g) PP to submit details of tools used for making awareness regarding solid waste management in public domain. (h) PP to provide seven bins for different components of solid waste in community storage area for Solid Waste Management.
19) 19. PP to submit detailed report regarding e-waste generation and its disposal.
20) 20. PP to consider following activities as a part of CER : (a) PP to include de-silting in CER Plan. (b) Carry out calculation of minimum ecological flow in the river.
21) 21. PP to submit Socio -economic infrastructure within vicinity land specially existing pre-primary, primary and secondary schools, market, hospital etc. stating its capacity.
22) 22. PP to incorporate list of hospitals in the vicinity, their distance and contact numbers in the Disaster Management Plan.

FINAL RECOMMENDATION

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