Agenda of 71st Meeting of SEAC-3

SEAC Meeting number: 71 **Meeting Date** September 20, 2018

Subject: Environment Clearance for Environmental Clearance for New Commercial Development with Convenient Shopping

Is a Violation Case: No

1.Name of Project	Imperium Alpha
2.Type of institution	Private
3.Name of Project Proponent	M/s Gera Developments Pvt. Ltd.through Mrs. Reji Menon
4.Name of Consultant	Ultra-Tech (Environmental Consultancy & Laboratory)
5.Type of project	Commercial Development (offices, shops and restaurant)
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	S. No 64 , Plot no 3,
9.Taluka	Haveli
10.Village	Kharadi
Correspondence Name:	Mrs. Reji Menon
Room Number:	Gera Developments Pvt. Limited,
Floor:	--
Building Name:	gera Plaza Plot no. 200
Road/Street Name:	Boat club road
Locality:	--
City:	Pune
11.Area of the project	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Letter No. DPO/CC 1419/18 dated 08/08/2018 Pune Municipal Corporation for Construction built up area 28646.00 Sqm
	IOD/IOA/Concession/Plan Approval Number: Letter No. DPO/CC 1419/18 dated 08/08/2018 Pune Municipal Corporation for Construction built up area 28646.00 Sqm
	Approved Built-up Area: 28646.00
13.Note on the initiated work (If applicable)	Work Initiated as per Sanction received. Site cleaning and excavation started.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	5023.00 Sqm
16.Deductions	0
17.Net Plot area	5023.00 Sqm
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 14333.48
	b) Non FSI area (sq. m.): 14312.52
	c) Total BUA area (sq. m.): 28646.00
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 14333.48
	Approved Non FSI area (sq. m.): 14312.52
	Date of Approval: 08-08-2018
19.Total ground coverage (m2)	1707
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	33.98%
21.Estimated cost of the project	585000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Commercial Building	3B + LG + UG + Mezzanine + 11 floors	40.14

23.Number of tenants and shops	Number of Offices: 235 nos. Number of Shops: 49nos. Number of restaurants:2nos.
24.Number of expected residents / users	2326 nos.
25.Tenant density per hectare	Not Applicable
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	30 m wide road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	6m
29.Existing structure (s) if any	No
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):	73.80 CMD
	Recycled water - Flushing (CMD):	42.45 CMD
	Recycled water - Gardening (CMD):	3.85 CMD
	Swimming pool make up (Cum):	Not Applicable
	Total Water Requirement (CMD) :	120.095
	Fire fighting - Underground water tank(CMD):	200 CMD
	Fire fighting - Overhead water tank(CMD):	20 CMD
	Excess treated water	58.88 CMD
Wet season:	**Source of water**	Pune Municipal Corporation
	Fresh water (CMD):	73.80 CMD
	Recycled water - Flushing (CMD):	42.45 CMD
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	Not Applicable
	Total Water Requirement (CMD) :	116.95
	Fire fighting - Underground water tank(CMD):	200 CMD
	Fire fighting - Overhead water tank(CMD):	20 CMD
	Excess treated water	62.73 CMD
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**
Fresh water requirement	00	73.80	73.80	00	11.07	N11.07	00	62.73	62.73
Domestic	00	42.45	42.45	00	00	00	00	42.45	42.45
Gardening	00	3.85	3.85	00	3.85	3.85	00	00	00

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Average 26 m
	Size and no of RWH tank(s) and Quantity:	Not Applicable
	Location of the RWH tank(s):	Not Applicable
	Quantity of recharge pits:	3 nos.
	Size of recharge pits :	1.5 m x 1.5 m x 1.5 m
	Budgetary allocation (Capital cost) :	4.5 Lakhs
	Budgetary allocation (O & M cost) :	0.20 Lakhs per year
	Details of UGT tanks if any :	Under Ground Domestic : 117Cum Under Ground Raw :45 Cum Under Ground Flushing: 90 Cum
35.Storm water drainage	**Natural water drainage pattern:**	From South to North
	Quantity of storm water:	0.003 m3/sec (After Construction)
	Size of SWD:	450 mm dia
Sewage and Waste water	**Sewage generation in KLD:**	105.175
	STP technology:	MBBR
	Capacity of STP (CMD):	110 KLD
	Location & area of the STP:	On West side, area 82.54 sqm
	Budgetary allocation (Capital cost):	16 Lakhs
	Budgetary allocation (O & M cost):	2 Lakhs per year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Excavated material 39118 m3
	Disposal of the construction waste debris:	Top soil will be used for gardening; Other excavated material will be used for plinth, back-filling and sub-base of internal road. Balance, if any, will be disposed to our another site for back filling
Waste generation in the operation Phase:	**Dry waste:**	319 Kg/day
	Wet waste:	262 Kg/day
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	10 Kg/day
	Others if any:	E-waste 6.3 kg/day

Mode of Disposal of waste:	**Dry waste:**	Will be collected by PMC/ authorized vendor
	Wet waste:	Wet waste will be treated in Organic Waste Converter and used as manure.
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Will be used as manure
	Others if any:	E-waste will be handed over to certified E- waste disposing agency
Area requirement:	**Location(s):**	Near South side of the site
	Area for the storage of waste & other material:	45.15 sqm
	Area for machinery:	included in 45.15 sqm
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	7.50 Lakhs
	O & M cost:	0.50 Lakhs per year

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	DG Set : 65 KVA (Construction)	HSD, 15 LPH (Max)	1	1 mtr above DG set	65 mm	Approx. 75 Degrees Celsius at the outlet of stack.
2	DG Set : 750 KVA	HSD, 180 LPH (Max)	1	3 mtrs above DG set	300 mm	Approx. 75 Degrees Celsius at the outlet of stack.
3	DG Set : 750 KVA	HSD, 180 LPH (Max)	1	3 mtrs above DG set	300 mm	Approx. 75 Degrees Celsius at the outlet of stack.

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	Not applicable	252.8 Lit/hr	252.8 Lit/hr
41.Source of Fuel		Authorized Dealer		
42.Mode of Transportation of fuel to site		Via Road		

43.Green Belt Development	**Total RG area :**	502.3 Sqm
	No of trees to be cut :	--
	Number of trees to be planted :	65 Nos.
	List of proposed native trees :	Provided below
	Timeline for completion of plantation :	Will be completed at the time of operation phase

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Semecarpus anacardium	Biba	5	Tree with medicinal value
2	Plumeria alba	White Chafa/Pagoda tree	5	Flower bearing tree
3	Phyllanthus officinalis	Awala	5	Tree with medicinal value
4	Pongamia pinnata	Karanj	5	Shady tree with medicinal value
5	Ficus benjamena	Ficus tree/Weeping fig	5	Flowering tree
6	Magnolia champaca	Sonchafa/Champak	10	Flower bearing tree
7	Mimusops Elengii	Bakul	10	Flower bearing tree
8	Saraca asoca	Seeta Ashok	10	Evergreen tree
9	Mangifera indica	Mango/Amba	5	Evergreen fruit bearing tree
10	Syzygium cumini	Jamun/Black Plum	5	Fruit bearing tree
11	Bougainvillea spectabilis	Kagadi phool	5	Flower bearing tree
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	45 KW
	DG set as Power back-up during construction phase	65 KVA
	During Operation phase (Connected load):	2299 KW
	During Operation phase (Demand load):	1419 KW
	Transformer:	2 X 630 KVA +1x315KVA
	DG set as Power back-up during operation phase:	2 X 750 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Energy saving by non-conventional method: Solar will be provided for common area lighting

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Energy Saving using T5 fixture with Electronic Ballast Against T8, FTL fixture with Electromagnetic ballast for all buildings	4
2	Saving in losses using High Efficient Transformer Against Conventional Transformer	8.58
3	Energy Saving using Automatic Timer operation	25
4	Energy Saving using Solar Street Lights in place of Normal Lights	85.91

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
STP	Not applicable	1 No. of STP
OWC	Not applicable	1 No. OWC
DG Set	Not applicable	1 no. in construction phase and 2 nos. in Operation phase

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	20 Lakhs
	O & M cost:	1 Lakhs / per year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

1	Water	Tanker Water for Construction	5.4
2	Water	Monitoring	0.6
3	Air	Dust suppression	1.2
4	Air & Noise	Monitoring	0.48
5	Land	Site Sanitation	5.94
6	Biological	Gardening	0.25
7	Socio-Economic	Pest Control	1.8
8	Socio-Economic	First-aid	0.24
9	Socio-Economic	Health Check-up	1
10	Socio-Economic	Crèche	1.8
11	Socio-Economic	Personal Protective Equipment	1.3

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Water	Rainwater Harvesting	4.5	0.2
2	Water	STP	16	2
3	Solid Waste	OWC	7.5	0.5
4	Landscape	Gardening	2.5	1.8
5	Energy	Energy saving and Solar	20	1
6	EMP	Monitoring	--	18.36
7	Air	Basement Ventilation	50	1
8	Air	Basement dewatering	1	0.2

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

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

52.Any Other Information

No Information Available

53.Traffic Management

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

Parking details:	**Number and area of basement:**	3 basements, total area 9948 Sqm
	Number and area of podia:	Not Applicable
	Total Parking area:	13250 Sqm (basement parking= 9948 Sqm +First & Second floor= 3302 Sqm)
	Area per car:	32
	Area per car:	32
	Number of 2-Wheelers as approved by competent authority:	803
	Number of 4-Wheelers as approved by competent authority:	316
	Public Transport:	Kharadi bus stop at 2 Km
	Width of all Internal roads (m):	9 m
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	8 a (B2)
	Court cases pending if any	No
	Other Relevant Informations	No
	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 Environmental Clearance for New Commercial Development with Convenient Shopping at S. No 64, Plot no 3, Kharadi, Tal-Haveli, Pune by M/s. Imperium Alpha.

PP submitted their application for prior Environmental clearance for total plot area of 5023 Sq. Mtrs, BUA of 28646 Sq. Mtrs and FSI area of 14333.48 Sq. Mtrs. PP proposes to construct 1 no. 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

SEAC decided to recommend the proposal for prior environmental Clearance, subject to PP complying with the following conditions.

Specific Conditions by SEAC:

1) PP to submit cross section through UGT with top of tank and maintain some distance above the ground level.
2) PP to submit parking layout plan for all 3 basements and driveway not less than 5 mtr and slope 1:10 and ventilation plan.
3) PP to submit parking statement showing requirement as per DCR.
4) PP to submit undertaking for sustainable water supply.

FINAL RECOMMENDATION

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

SEAC Meeting number: 71 **Meeting Date** September 20, 2018

Subject: Environment Clearance for Environment Clearance for Proposed Residential Construction at Tathawade, Pune

Is a Violation Case: No

1.Name of Project	Proposed Residential Construction Project at Tathawade
2.Type of institution	Private
3.Name of Project Proponent	Mr. Milind Lunkad/ Mr. Ashwin Lunkad
4.Name of Consultant	Oasis Environmental Foundation
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	S. No. 125/1/B/1, 125/1/B/2, 125/2/1 &125/2/2
9.Taluka	Mulshi
10.Village	Tathawade
Correspondence Name:	Mr. Milind Lunkad/ Mr. Ashwin Lunkad
Room Number:	Rohan Builders & Developers Pvt. Ltd.
Floor:	Second Floor
Building Name:	1 Modibaugh, shivaji Nagar
Road/Street Name:	Ganeshkhind Road
Locality:	Shivaji Nagar
City:	Pune
11.Area of the project	Pimpri Chinchwad Municipal Corporation (PCMC)
12.IOD/IOA/Concession/Plan Approval Number	In process
	IOD/IOA/Concession/Plan Approval Number: In process
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	In Process
15.Total Plot Area (sq. m.)	As per 7/12: 33,300.00 SQM. & Minimum Plot Area Considered: 30,584.00 SQM.
16.Deductions	4,273.94 SQM.
17.Net Plot area	26,310.06 SQM.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 58,466.79
	b) Non FSI area (sq. m.): 69,622.32
	c) Total BUA area (sq. m.): 128089.11
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)	15,061.74
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	49.24
21.Estimated cost of the project	1903600000

22.Number of buildings & its configuration

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

1	Building A: Wings A1,A2,A3,A4,A5,A6,A7,A8	LP + UP + Stilt +11	37.25
2	Building B: Wings B1,B2,B3,B4	LP + UP + Stilt +11	37.25
3	Building C:	LP + UP + Stilt +8	28.60

23.Number of tenants and shops	Proposed number of tenements are 1,200 . No shops proposed
24.Number of expected residents / users	6,000 nos.
25.Tenant density per hectare	Tenement Density / hectare: 360
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Nearest Fire Station is Pradhikaran Fire Station – at distance of 5.21 kms. Width of Road – 12 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Turning radius for easy access of fire tender movement from all around the building is 9 m
29.Existing structure (s) if any	NA
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	PCMC
	Fresh water (CMD):	542.25 (including Club House)
	Recycled water - Flushing (CMD):	270
	Recycled water - Gardening (CMD):	61.78
	Swimming pool make up (Cum):	6
	Total Water Requirement (CMD) :	880.03
	Fire fighting - Underground water tank(CMD):	75
	Fire fighting - Overhead water tank(CMD):	25
	Excess treated water	548.25
Wet season:	**Source of water**	PCMC
	Fresh water (CMD):	542.25 (including Club House)
	Recycled water - Flushing (CMD):	270
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	6
	Total Water Requirement (CMD) :	818.25
	Fire fighting - Underground water tank(CMD):	75
	Fire fighting - Overhead water tank(CMD):	25
	Excess treated water	610.03
Details of Swimming pool (If any)	Dimensions of Main Pool: 7.5 m X 18 m X 1.5 m Dimensions of Kids pool: 10m X 5m X 0.9m Total Water Requirement: 207 CUM Water Requirement for Make Up: 6 CUM/DAY Details of Plant and Machinery used for treatment of water: High rate sand filters, filter media, Self-Priming pump, Control panel for pump, Vacuum fitting Chemicals required for maintaining the Swimming Pool. Disinfection by: Ozonation/ UV Treatment	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
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:**	4-5 m
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	10
	Size of recharge pits :	2 Mt. x 2 Mt. x 1.5 Mt
	Budgetary allocation (Capital cost) :	2,50,000
	Budgetary allocation (O & M cost) :	15,000
	Details of UGT tanks if any :	1. Domestic UG tank Capacity: 500 m3 2. Drinking Water UG Tank Capacity: 100 m3 3. Flushing UG tank Capacity : 275 m3 4• Fire UG tank Capacity : 75 m3
35.Storm water drainage	**Natural water drainage pattern:**	As per Contour
	Quantity of storm water:	4.69 CUM/Min
	Size of SWD:	450 mm
Sewage and Waste water	**Sewage generation in KLD:**	649.80
	STP technology:	MBR Technology
	Capacity of STP (CMD):	2 Nos. of STP Proposed of 350 KLD capacity each OR 1 No. of STP Proposed of capacity 700 KLD
	Location & area of the STP:	Attached
	Budgetary allocation (Capital cost):	40,00,000
	Budgetary allocation (O & M cost):	4,00,000
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	100 kg/day total solid waste from labour camp.
	Disposal of the construction waste debris:	Debris shall be used for back filling and leveling of the plot and remaining will be disposed to authorized sites.
Waste generation in the operation Phase:	**Dry waste:**	1,200 kg/day
	Wet waste:	1,800 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	65 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 Organic waste converter/ Vermicomposting. Manuare generated will be used for landscaping
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be used as manure after treatment in OWC or vermicomposting
	Others if any:	NA
Area requirement:	**Location(s):**	Attached
	Area for the storage of waste & other material:	20
	Area for machinery:	45
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	3,00,000
	O & M cost:	1,20,000

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

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

43.Green Belt Development	**Total RG area :**	Mandatory RG Area: 2,923.34 m2, Additional Green Area on Ground: 2,132.43 m2, Green on peripheral plantation: 685.37 m2; Total RG Area: 5,741.64 m2. Green Area on Slab: 3084.39 m2
	No of trees to be cut :	0
	Number of trees to be planted :	No. of trees required (1 tree/ 80 SQM of plot area): 413 nos.; Existing trees to be preserved: 3 nos.; Total No. of trees to be planted: 410.
	List of proposed native trees :	List of proposed trees attached as annexure with form 1 & 1A & Given below
	Timeline for completion of plantation :	5 years

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Bahunia purpurea	Gulabi Kanchan	41	Every part of the plant have Medicinal value, Drought tolerant species The tree has grey bark that peels in long fiber
2	Dalbergia latifolia	Sistal	29	Compound leaves,flowering
3	Sapodila	Chikku	17	Fruit Baring plant
4	Saraca indica	Sita Ashok	50	Medicinal value, Religious plant
5	Ficus glomerata	Umbar	24	Medicinal value,Edible fruits,bird attractive
6	Plumeria Alba	Chafa	30	Most attractive, large & strongly perfumed white flowers
7	Plumeria Rubra	Pink Chafa	24	Popular garden & park plant,fragrant flowers
8	Phyllanthus emblica	Awala	27	Medicinal value, To control soil erosion
9	Syzygium cumini	Jamun	30	Medicinal value, Edible fruit
10	Neolamarckia cadamb	Kadamba	10	The flowers attract pollinators
11	Legistroemia speciosa	Banaba plant	14	A decoction of the bark is used against diarrhoea and abdominal pains. A leaf poultice is used to relief malarial fever and is applied on cracked feet
12	Mangifera indica	Mango	24	Edible fruit, Bird attracting species
13	Erythrina indica	Indian Koral tree/ Parijat	12	Flower Plant. Attracts insects and birds
14	Tectona grandis	Teak	11	Tropical hardwood species, Wood use for furniture
15	Ziziphus mauritiana	Ber	17	Fast growing, Hardy plant, Edible fruit
16	Jack Fruit	Fanas	14	Popular food item, fruit edible
17	Michelia champaka	Sonchafa	36	Fragrant flowers, Timber used in wood working
18	Total	Trees	410	Nos.
45.Total quantity of plants on ground				

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

Serial Number	Name	C/C Distance	Area m2
1	All Shubs & Bushes	Approx. 300 mm	Approx. 1,000

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	200 KW
	DG set as Power back-up during construction phase	2 nos. of DG sets of 250 KVA
	During Operation phase (Connected load):	4,841 KW
	During Operation phase (Demand load):	2,220 KW
	Transformer:	4 no. of Transformers of 630 KVA capacity
	DG set as Power back-up during operation phase:	2 nos. of DG sets of 500 KVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

1. Timer Logic Controller : 210437 KWH / Anum
2. Electronic V3F drive for Lifts : 52280 KWH / Anum
3. Solar Water Heater : 1050403.2 KWH / Anum
4. Use of CFL / LED lamps in all common areas.

Total % of Savings: 15 %

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Timer Logic Controller	210437 KWH / Anum
2	Electronic V3F drive for Lifts	52280 KWH / Anum
3	Solar Water Heater	1050403.2 KWH / Anum

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Waste water generated from house hold activity	Not applicable	STP will be installed in operation phase to treat waste water
Solid waste generation	Not applicable	composting machine / vermicomposting will be installed to treat the biodegradable waste

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	3500000
	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	Erosion Control	Water for dust suppression measures & Soil Preservation	0.5
2	Site Safety	Barricading & nets	0.3
3	Site Sanitation	Mobile Toilets etc	1.50
4	Disinfection & Health Check Up	For Labours	1.0
5	Environment Monitoring	Air, Water, Noise & DG Stack	0.7

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Enaergy Saving	Approx. 15%	5.00	0.50
2	STP	Capacity of STP 650 KLD	40	4
3	OWC/ Vermicomposting	For Wet Waste Generation of 1,800 kg/day	3	1.20
4	Solar Hot Water System	For 60 KLD Capacity	30	2.5
5	Rain Water Harvesting	10 nos. of recharge pits	2.5	0.15
6	Landscaping	Total trees proposed are 416 nos	4	0.40

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Traffic generated from this project will confluent on existing 9 m and proposed 24 m wide road

Parking details:	**Number and area of basement:**	2 nos. of basement. Area: 27,926.10 qm
	Number and area of podia:	NA
	Total Parking area:	Covered Parking area: 27,926.10 Sqm + Open Parking area: 965.35 Sqm = Total Parking area: 28,891.45 Sqm.
	Area per car:	35
	Area per car:	35
	Number of 2-Wheelers as approved by competent authority:	2,400 nos.
	Number of 4-Wheelers as approved by competent authority:	600 nos.
	Public Transport:	Nearest Bus Stop
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	AN
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8 (a) B2
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for Environment Clearance for Proposed Residential Construction at Tathawade, Pune at S. No. 125/1/B/1, 125/1/B/2, 125/2/1 &125/2/2 by Mr. Milind Lunkad/ Mr. Ashwin Lunkad

PP submitted their application for prior Environmental clearance for total plot area of 30,584.00 Sq. Mtrs, FSI area of 58,466.79 Sq. Mtrs, Non FSI area of 69,622.32 Sq.m and Total built up area of 1,28,089.11 Sq.m. PP proposes to construct total 3 nos of buildings in which Building A (Wings A1,A2,A3,A4,A5,A6,A7,A8), Building B: Wings B1,B2,B3,B4 and Building C. T

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

DECISION OF SEAC

SEAC decided to recommend the proposal for prior environmental Clearance, subject to PP complying with the following conditions.

Specific Conditions by SEAC:

1) PP to submit undertaking stating that they will not give occupation till municipal sewer line is commissioned and internal sewer line is connected.
2) PP to submit undertaking for CER activities in prescribed format.

FINAL RECOMMENDATION

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

Agenda of 71st Meeting of SEAC-3

SEAC Meeting number: 71 **Meeting Date** September 20, 2018

Subject: Environment Clearance for Construction Project "FINSWELL" at S. No. 208/1A, Lohegaon, Viman nagar, Tal. Haveli, Dist. Pune by M/s. LMS Realty

Is a Violation Case: No

1.Name of Project	Construction Project "FINSWELL" at S. No. 208/1A, Lohegaon, Viman nagar, Tal. Haveli, Dist. Pune by M/s. LMS Realty
2.Type of institution	Private
3.Name of Project Proponent	M/s. LMS Realty
4.Name of Consultant	MITCON Consultancy and Engineering Services Ltd. Agriculture College Campus, Next to DIC office, Shivaji Nagar, Pune. 411 005
5.Type of project	Residential & commercial project
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	S. No. 208/1A, Lohegaon, Viman nagar, Tal. Haveli, Dist. Pune
9.Taluka	Haveli
10.Village	Lohegaon
Correspondence Name:	Mr Abhinandan N. Sakla
Room Number:	Survey No. 232/1+2, plot no 116, flat no. 1,
Floor:	Ground floor
Building Name:	Yash Residency
Road/Street Name:	Sakhore nagar road
Locality:	Sakhore nagar, Viman nagar
City:	Pune
11.Area of the project	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Sanction plan received from Pune Municipal Corporation
	IOD/IOA/Concession/Plan Approval Number: Applied
	Approved Built-up Area: 24749.86
13.Note on the initiated work (If applicable)	Total construction done till date 14,957 as per CC/0959/11 dated 15/06/2011, CC no. CC/2954/16 DATE 21/12/2016 and CC No. CC/3793/2016 Date 31/03/2017
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Applied
15.Total Plot Area (sq. m.)	8100.0 Sq.m.
16.Deductions	3091.83 sqm
17.Net Plot area	5008.17. sqm
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 12463.63 Sq.m.
	b) Non FSI area (sq. m.): 12985.86 Sq.m.
	c) Total BUA area (sq. m.): 25449.49
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)	1408.64 sqm
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	28 (%)
21.Estimated cost of the project	450000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A BLDG	B1+B2+P1+P2+P3+10 FLOORS	41.20 M
2	B BLDG	B+G+P+12 FLOORS	41.95 M
3	D1 BLDG	P+6 FLOORS	19.95 M

23.Number of tenants and shops	Tenements – 72 nos., 138 offices
24.Number of expected residents / users	1421 nos. users
25.Tenant density per hectare	89 Tenements/ 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 m road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 meter
29.Existing structure (s) if any	Construction done till date is 2909.45 SQM which is D1 building and parking slab for A building, as per CC no. CC/0959/11 dated 15/06/2011 and CC no. CC/2954/16 DATE 21/12/2016.
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**	Pune Municipal Corporation
	Fresh water (CMD):	71.2
	Recycled water - Flushing (CMD):	43.41
	Recycled water - Gardening (CMD):	12
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	126.61
	Fire fighting - Underground water tank(CMD):	139.0
	Fire fighting - Overhead water tank(CMD):	40.0
	Excess treated water	52.59
Wet season:	**Source of water**	Pune Municipal Corporation
	Fresh water (CMD):	71.2
	Recycled water - Flushing (CMD):	43.41
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	114.61
	Fire fighting - Underground water tank(CMD):	139.0
	Fire fighting - Overhead water tank(CMD):	40.0
	Excess treated water	64.59
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Fresh water requirement	10.8	60.48	71.2	1.08	6.05	7.13	9.72	54.43	64.15
Domestic	5.4	38.01	43.41	0	0	0	5.4	38.01	43.41
Gardening	0	12	12	0	12	12	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Pre-monsoon water level 13.20 BGL, Post Monsoon 8.20 BGL
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	4 nos.
	Size of recharge pits :	2m × 2m × 2m
	Budgetary allocation (Capital cost) :	10.0 Lac
	Budgetary allocation (O & M cost) :	2.36 Lac/annum
	Details of UGT tanks if any :	Residential Water tank: 40000 lit Residential domestic & fire tank: 64000 lit Raw water tank : 10000 lit Commercial Water tank: 40000 lit fire tank: 75000 lit Drinking water tank : 20000 lit
35.Storm water drainage	**Natural water drainage pattern:**	Overflow/surplus water from the recharge pit will be discharged into storm water drainage
	Quantity of storm water:	5.29 m3/hr
	Size of SWD:	300 mm
Sewage and Waste water	**Sewage generation in KLD:**	108 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	STP 1: 50m3/day, STP 2: 70 m3/day
	Location & area of the STP:	STP1 (73Sqm) near Building A and STP2 (101Sqm) near Building B
	Budgetary allocation (Capital cost):	47.0 Lac
	Budgetary allocation (O & M cost):	13.70 Lac/annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Total quantity of excavation- 12650 cum; Quantity of backfill from excavated earth- 3200 cum; Quantity of earthwork used in site leveling/reclamation- 2400 cum;
	Disposal of the construction waste debris:	Excavated soil & murum will be used for landscaping, roads & backfilling
Waste generation in the operation Phase:	**Dry waste:**	232 kg/day
	Wet waste:	219 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	14.75 kg/day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Handed over to authorized recycler for further handling & disposal purpose
	Wet waste:	Through Organic Waste Convertor. Generated manure will be used for gardening
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be used as manure for gardening purpose
	Others if any:	NA
Area requirement:	**Location(s):**	Near Building B
	Area for the storage of waste & other material:	55 Sq.m
	Area for machinery:	25 Sq.m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	10.0 Lac
	O & M cost:	2.36 Lac/annum

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	1 nos. x 380 KVA	HSD, 76 liter/hr	1	7	0.1524	475 °C
2	1 nos. x 750 KVA	HSD, 150 liter/hr	1	10	0.2032	520 °C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	NA	226	226

41.Source of Fuel	Authorized Vendors
42.Mode of Transportation of fuel to site	Road

43.Green Belt Development	**Total RG area :**	693.23 sqm
	No of trees to be cut :	Nil
	Number of trees to be planted :	33 no plantation done + 68 nos. proposed = total 101 nos.
	List of proposed native trees :	As below.
	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	Azadirecta indica	Neem	9	Large tree, good for roadside plantation
2	Erythrina indica	Pangara	12	Medium sized deciduous tree. Bright scarlet flowers.
3	Millingtonia hortensis	Indian cork tree	13	A columnar, evergreen tree, grows well in both moist & dry region
4	Populus	Khaya	10	Vertical roadside tree
5	Ailanthus excelsa	Maharukh	13	Large tree, good for roadside plantation
6	Largerstromia flos-regineae	Tamhan	11	State flower tree of Maharashtra Medium sized tree, beautiful purple flowers
7	Existing plantation done	-	33	-
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	50 kVA
	DG set as Power back-up during construction phase	1 nos. 63 kVA
	During Operation phase (Connected load):	1632.5 KVA
	During Operation phase (Demand load):	1247 KVA
	Transformer:	2nos X 630KVA
	DG set as Power back-up during operation phase:	1 nos. x 380 KVA+ 1 nos. x 750 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Solar PV pannels 1% of the connected load 16 KW

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Common area lighting using LED electronic drive and additional 10 % using timers	21900.00 kWH
2	Garden Energy saving measures using LED street lights	10950.00 kWH
3	Lift load Energy Saving measures using V3F Drive	3670.99 kWH
4	Pump Load Energy Saving Measure uising level controllers and efiicient pumps	4894.65 kWH
5	Energy Consumed / Annum in the absence of energy saving method (in Kwh)	163401.38 kWH
6	Total Energy Consumption / Annum (in Kwh) with energy saving method	121985.74 kWH
7	Total savings in power because of power saving methods	41415.64 kWH
8	Percentage of saving	25.35 %

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Waste water	NA	Sewage Treatment Plant
Solid waste	NA	Organic Waste Converter

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	12 Lac
	O & M cost:	0.25 Lac/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 pollution	Water for Dust Suppression	1.00
2	Sanitation & Safety	Site Sanitation & Safety	2.50
3	Environmental Monitoring	Air, water, soil, noise	1.25
4	Disinfection	Disinfection	1.25
5	Health	Health Check up	0.50
6	Total	-	6.50

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Water	Rain Water Harvesting	2.66	0.08
2	Sewage	Sewage Treatment Plant	47.00	13.70
3	Organic Waste	Organic Waste Composting	10.0	2.36
4	Plantation	Tree Plantation	10.0	2.0
5	Energy	Solar PV	12.0	0.25
6	Environment Monitoring	Air, water, soil, noise	-	1.25
7	Total	-	81.66	19.64

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

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

52.Any Other Information

No Information Available

53.Traffic Management

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

Parking details:	**Number and area of basement:**	A building - 2 basements, A building- 1 basement
	Number and area of podia:	NA
	Total Parking area:	3984.40 sqm
	Area per car:	12.5 sqm
	Area per car:	12.5 sqm
	Number of 2-Wheelers as approved by competent authority:	441 nos
	Number of 4-Wheelers as approved by competent authority:	238 nos
	Public Transport:	Available
	Width of all Internal roads (m):	Minimum 6 meter
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8(a) Building and Construction projects
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for Construction Project "FINSWELL" at S. No. 208/1A, Lohegaon, Viman nagar, Tal.Haveli, Dist. Pune by M/s. LMS Realty.

PP submitted their application for prior Environmental clearance for total plot area of 8100.00 Sq. Mtrs, BUA of 25449.49 Sq. Mtrs and FSI area of 12463.63 Sq. Mtrs. PP proposes to construct 3 no. residential & 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 has agreed to shift the location of UGT or raise the tank above ground level by 1.5 feet.

FINAL RECOMMENDATION

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

Agenda of 71st Meeting of SEAC-3

SEAC Meeting number: 71 **Meeting Date** September 20, 2018

Subject: Environment Clearance for Amendment in EC

Is a Violation Case: No

1.Name of Project	Bramha Suncity
2.Type of institution	TOR
3.Name of Project Proponent	M/s Bramha Corp Ltd.
4.Name of Consultant	Ultra-Tech Environmental Consultancy & Laboratory
5.Type of project	Residential and Commercial Development
6.New project/expansion in existing project/modernization/diversification in existing project	Amendment in EC
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes, EC has been obtained vide letter SEAC-2013/CR-444/TC-II dated 11th August, 2016
8.Location of the project	S. No. 7/1, 7/2, 7/3, 7/4, 7/5, 8/1/1/2 and 3/2 (P) off Nagar Road, Kalyani Nagar, Wadgaon Sheri, Haveli, Pune Maharashtra
9.Taluka	Haveli
10.Village	Wadgaon Sheri
Correspondence Name:	Mrs. Anjali Bendarkar
Room Number:	3
Floor:	-
Building Name:	Queen's Garden, Residency Club
Road/Street Name:	Residency Club
Locality:	Camp
City:	Pune
11.Area of the project	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	We have received sanction dated 13.3.2018 CC no.3332/17 for FSI area of 3,36,928.33 m2 and Non-FSI area of 3,01,045.97 m2 Further, we have applied for full potential sanction.
	IOD/IOA/Concession/Plan Approval Number: We have received sanction dated 13.3.2018 CC no.3332/17 for FSI area of 3,36,928.33 m2 and Non-FSI area of 3,01,045.97 m2 Further, we have applied for full potential sanction
	Approved Built-up Area: 637974.30
13.Note on the initiated work (If applicable)	Construction work is ongoing as per the previous EC from SEIAA, Maharashtra vide letter no. SEAC-2013/CR-444/ TC-II dated 11th August 2016 Existing buildings at site A1, A2, C1, C2, C3, CL1, CL2, D1, D2, D3, D4, D5, D6, E1, E2, E3, E4, E5, E6, E7, L1,L2,L3,A3, C4,C5,A4, C6, D7, CL3, Multipurpose hall, Bungalows, Tower1, Tower 2, partly Tower 3 and Tower 4 ,RCC completed of Tower 5, Tower 6, Tower 7, Tower 8 . FSI : 190122.75 m2 Non FSI – 196782.66 m2 Total BUA- 386905.41 m2
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	177900
16.Deductions	9879 m2
17.Net Plot area	168021m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 401493.89 m2
	b) Non FSI area (sq. m.): 407473.39 m2
	c) Total BUA area (sq. m.): 808967.28
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 3,36,928.33 m2
	Approved Non FSI area (sq. m.): 3,01,045.97 m2
	Date of Approval: 13-03-2018
19.Total ground coverage (m2)	91,471.3 sq.m

20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	54.44
21.Estimated cost of the project	11245700000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A1 (Completed)	P+9	28.9
2	A2 (Completed	P+9	31.79
3	C1 (Completed)	P+9	28.9
4	C2 (Completed)	P+9	28.9
5	C3 (Completed)	P+9	31.79
6	CL1 (Completed)	P+9	28.9
7	D1 (Completed)	P+9	28.9
8	D2 (Completed)	P+9	28.9
9	D3 (Completed)	P+9	28.9
10	D4 (Completed)	P+9	31.79
11	D5 (Completed)	P+9	31.79
12	D6 (Completed)	P+9	31.79
13	E1 (Completed)	P+9	28.9
14	E2 (Completed)	P+9	28.9
15	E3 (Completed)	P+9	28.9
16	E4 (Completed	P+9	28.9
17	E5 (Completed)	P+9	31.79
18	E6 (Completed)	P+9	31.79
19	E7 (Completed)	P+9	31.79
20	L1 (Completed)	P+9	28.9
21	L2 (Completed)	P+9	28.9
22	L3 (Completed)	P+9	28.9
23	A3 (Completed)	P+11	35.90
24	C4 (Completed)	P+11	35.90
25	C5 (Completed)	P+11	35.90
26	A4 (Completed)	P+11	31.79
27	C6 (Completed)	P+11	31.79
28	D7 (Completed)	P+11	31.79
29	CL3 (Completed)	P+11	31.79
30	Multi-purpose Hall (Completed)	G + 1	8.48
31	Bungalows (Completed) - 4 no	G + 2	4.12
32	Tower 1 (completed)	B+G+P+S+18	63.65
33	Tower 2 (completed)	B+G+P+S+18	63.65
34	Tower 3 (Ongoing)	B+G+P+S+18	63.65
35	Tower 4 (Ongoing)	B+G+P+S+18	63.65
36	Tower 3 (Proposed)	B+G+P+S+18	63.65
37	Tower 4 (Proposed)	B+G+P+S+18	63.65
38	Tower 5 (P.Proposed)	B+G+P+S+20	69.45

39	Tower 6 (P.Proposed)	B+G+P+S+20	69.45
40	Tower 7 (P.Proposed)	B+G+P+S+20	69.45
41	Tower 8 (P.Proposed)	B+G+P+S+22	75.25
42	Tower 9 (wing A and B) (Proposed)	B1+B2+B3+LG+G+P+25	84.2
43	Tower 10 (WINGS A-J) (Proposed)	B1+B2+B3+B4+LG+G+P+25	84.2
44	Structure G1	Ground	4.80
45	Building A	P+8	83.5
46	Building B	3B+stilt+2P+26	83.5
47	CL2 (Completed)	P+9	31.79

23.Number of tenants and shops	3907 flats, 1 sale office and 321 shops and 1403 offices
24.Number of expected residents / users	Residential – 19535 Commercial - 9184
25.Tenant density per hectare	233
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Nearest fire station: Yerawada Fire Station 18.0 Km from site. Width of the road from nearest fire station to proposed building 18 mt.
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9M
29.Existing structure (s) if any	Construction work for Towers 1 to 8 is ongoing as per the previous EC from SEIAA, Maharashtra vide letter no. SEAC-2013/CR-444/ TC-II dated 11th August 2016. Existing buildings at site: A1, A2, C1, C2, C3, CL1, CL2, D1, D2, D3, D4, D5, D6, E1, E2, E3, E4, E5, E6, E7, L1,L2,L3,A3, C4,C5,A4, C6, D7, CL3, Multipurpose hall, Bungalows, Tower1, Tower 2, partly Tower 3 and Tower 4 ,RCC completed of Tower 5, Tower 6, Tower 7, Tower 8 . FSI : 190122.75 m2 Non FSI – 196782.66 m2 Total BUA- 386905.41 m
30.Details of the demolition with disposal (If applicable)	Labour camp - 50 Cum debris will be generated that comprises of mortar and bricks

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	Pune Municipal Corporation
	Fresh water (CMD):	1942
	Recycled water - Flushing (CMD):	1108
	Recycled water - Gardening (CMD):	210
	Swimming pool make up (Cum):	14
	Total Water Requirement (CMD) :	3274
	Fire fighting - Underground water tank(CMD):	1. Existing (A1 to A4, C1 to C6, CL1 to CL3, D1 to D7, L1 to L3, E1 to E7 and Bungalow) – 500 KLD 2. Tower 1 to Tower 8 ,Commercial -800 KLD 3. Tower 10 (Wing A-J) – 400 4. Building A & B– 100 KLD/each 5. Tower 9(Wing A and B) – 100 KLD
	Fire fighting - Overhead water tank(CMD):	1. Existing (A1 to A4, C1 to C6, CL1 to CL3, D1 to D7, L1 to L3, E1 to E7 and Bungalow) – 300 KLD 2. Tower 1 to Tower 8,Commercial -200 KLD 3. Tower 10(Wing A-J)– 150 KLD 4. Building A & B, – 50 KLD/each 5. Tower 9 (wing A and B) – 80 KLD
	Excess treated water	1334
Wet season:	**Source of water**	Pune Municipal Corporation
	Fresh water (CMD):	1942
	Recycled water - Flushing (CMD):	1108
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	14
	Total Water Requirement (CMD) :	3050
	Fire fighting - Underground water tank(CMD):	1. Existing (A1 to A4, C1 to C6, CL1 to CL3, D1 to D7, L1 to L3, E1 to E7 and Bungalow) – 500 KLD 2. Tower 1 to Tower 8,Commercial -800 KLD 3. Tower 10(Wing A-J) – 400 4. Building A & B-100 KLD/each 5. Tower 9(Wing A and B)– 100 KLD
	Fire fighting - Overhead water tank(CMD):	1. Existing (A1 to A4, C1 to C6, CL1 to CL3, D1 to D7, L1 to L3, E1 to E7 and Bungalow) – 300 KLD 2. Tower 1 to Tower 8,Commercial -200 KLD 3. Tower 10 (Wings A-J)– 150 KLD 4. Building A & B, – 50 KLD/each 5. Tower 9 (Wing A and B)– 80 KLD
	Excess treated water	1544

Details of Swimming pool (If any)	Dimension of Swimming Pool: Swimming pool 1: Area : 250 m2 Cost: Rs. 55 lakhs O & M: Rs. 5 lakhs/annum Swimming Pool 2 & 3: Main pool volume: 192 cu.m Kids pool volume: 31.46 cu.m SN DESCRIPTION QTY. 1 %%C800mm BOBBIN WOUND SAND FILTER + 1.5" MULTIPORT VALVE + ASTRAL CODE : 00543-0100 AT + 07444 AT 2 2 SPLASH MONOBLOCK 2HP/S.PHASE PUMP FOR FILTRATION (1W+1S) ASTRAL CODE : 36604 3 3 SPLASH MAXIM 3.5HP/S.PHASE PUMP ASTRAL CODE : 41452 2 4 DOSING PUMP 5l/hr + DOSING TANK 100ltrs + MANUAL STIRRER 600mm CODE : 57155 + 01341-I + LPIND04 2 5 TRANSFORMERS 300w/12v ASTRAL CODE : 00384-4146 ATB 7 6 CONTROL PANEL (COMMON):REQUIRED ELECTRICAL LOAD:10kw 1 SN DESCRIPTION QTY. 7 %%C800mm BOBBIN WOUND SAND FILTER + 1.5" MULTIPORT VALVE + ASTRAL CODE : 00543-0100 AT + 07444 AT 1 8 SPLASH MONOBLOCK 2HP/S.PHASE PUMP FOR FILTRATION (1W+1S) ASTRAL CODE : 36604 2 9 DOSING PUMP 5l/hr + DOSING TANK 100ltrs + MANUAL STIRRER 600mm CODE : 57155 + 01341-I + LPIND04 2 10 TRANSFORMERS 300w/12v ASTRAL CODE : 00384-4146 ATB 2 Details of quality to be achieved for swimming pool water and parameters to be monitored: Sr. No Parameters Value range 1 pH 7.2-7.8 2 Total Alkalinity 80-100 mg/lit 3 TDS Less than 1500 mg/lit 4 Hardness Ca 200-400 mg/lit 5 Free Cl 2.0-4.0 mg/lit 6 Residual Chorine 0.5 mg/lit Capital cost: Rs 64.00 Lakhs O & M Cost: Rs. 6.4 Lakhs/annum

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Fresh water requirement	819	1123	1942	218	181	399	1020	1632	2652
Domestic	419	690	1109	-	-	-	-	-	-
Gardening	163	47	210	163	47	210	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Summer Season – 15.60 m. to 20.20 m. BGL. (17.90 M. Average) Rainy Season – 4.20 m. to 6.20 BGL. (5.20 M. Average) Winter Season – 9.90 m. to 13.20 m. BGL. (11.55 M. Average)
	Size and no of RWH tank(s) and Quantity:	Not Applicable
	Location of the RWH tank(s):	Not Applicable
	Quantity of recharge pits:	28 pits proposed
	Size of recharge pits :	2.50 m. X 2.50 m. X 2.00 m Depth via 2 No. of de-siltation pits of 0.9 m. Dia. 1.0 m. Depth
	Budgetary allocation (Capital cost) :	Rs. 35.0 lakhs
	Budgetary allocation (O & M cost) :	Rs. 1.50 lakhs per annum
	Details of UGT tanks if any :	Domestic UG tank Capacity (cum) : 2940 KLD Flushing tank Capacity(cum) Residential: 887 KLD Commercial : 242 KLD Fire UG tank Capacity (cum) 1900 KLD
35.Storm water drainage	**Natural water drainage pattern:**	North to South and East to West
	Quantity of storm water:	854.80 cum/day
	Size of SWD:	Internal 300-450 mm SWD
Sewage and Waste water	**Sewage generation in KLD:**	2652
	STP technology:	MBBR
	Capacity of STP (CMD):	1. 770 KLD - Existing (A1 to A4, C1 to C6, CL1 to CL3, D1 to D7, L1 to L3, E1 to E7 and Bungalow) 2. 640 KLD - Tower 1 to Tower 8, Commercial, 3. 830 KLD - Tower 10 4. 330 KLD - Building A & B 5. 320 KLD - Tower 9 (Wing A and B)
	Location & area of the STP:	1. 770 KLD – 500 2. 640 KLD - 420 3. 830 KLD- 520 4. 330 KLD - 160 5. 320 KLD - 150
	Budgetary allocation (Capital cost):	Rs.146 lakhs
	Budgetary allocation (O & M cost):	Rs. 26 lakhs per year

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	200 Kg/day
	Disposal of the construction waste debris:	Authorized vendor
Waste generation in the operation Phase:	**Dry waste:**	4337 kg/day
	Wet waste:	6027 Kg/day
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	80 Kg/day
	Others if any:	E waste Negligible

Mode of Disposal of waste:	**Dry waste:**	Handed over to authorized recycler
	Wet waste:	Treated on OWC and used as manure
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Used as manure for landscaping
	Others if any:	E waste - will be handed over to Authorized vendor
Area requirement:	**Location(s):**	Proposed: OWC's Near Tower 10 and OWC Near Building B
	Area for the storage of waste & other material:	300 + 270
	Area for machinery:	76+ considered in above
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 88 Lacs (including existing)
	O & M cost:	Rs. 22 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	125 kVA	20.2	3	4.3	0.1016	450 degree celsius
2	160 kVA	27.7	3	4.22	0.1016	450 degree celsius
3	250 kVA	42.6	2	4.28	0.1524	450 degree celsius
4	500 kVA	81.9	3	4.9	0.254	450 degree celsius
5	320 kVA	52.5	4	4.8	0.1524	450 degree celsius

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total

1	HSD	HSD	HSD	HSD
41.Source of Fuel		Authorized Dealer		
42.Mode of Transportation of fuel to site		Via Road		

43.Green Belt Development	**Total RG area :**	16,802 Sq. mt
	No of trees to be cut :	0
	Number of trees to be planted :	577 (and 1764)
	List of proposed native trees :	Given in the list below
	Timeline for completion of plantation :	2 year

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Peltophorum pterocarpum	Copperpod	22	Deciduous with red flowering
2	Delonix regia	Gulmohar	27	Evergreen tree
3	Tabebuia rosea	Tabebuia	17	Fragrance flowering
4	Samanea saman	RainTree	19	Small tree with small white flowers
5	Pongamia pinnata	Karanj	22	Medium sized evergreen tree, fragrance yellow flower
6	Kigelia africana	Sausage tree	15	tall evergreen palm tree
7	Cassia grandis	Pink Cassias	20	tall evergreen palm tree
8	Millingtonia hortensis	Indian Cork tree	43	Evergreen tree
9	Anthocephallus cadamba	Kadam tree	27	Evergreen tree
10	Bauhinia racemosa	Kanchan	12	Deciduous with pink flowering
11	Michelia champaca	Son champa	36	Deciduous with pink, white flowering with fragrance
12	Grevillea robusts	Silver Oak	12	Deciduous tree
13	Azadiracta indica	Neem	27	Mainly grown as a fruit crop
14	Mimusops elengi	Maulsari	12	Evergreen tree
15	Nyctanthes arbor-tristis	Harsingar	61	Evergreen fruit bearing tree
16	Lagerstroemia flosregineae	Jarul	40	Deciduous tree
17	Caryotaurens	fishtail palm	128	Evergreen tree
18	Syzium Cumini	Jamun	15	Fruiting plant
19	Bombax ceiba	Bahava	12	Large tree,red flowers
20	Manilkara Zapota	Chikoo	10	Fruiting 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	Bougainvillea	450 c/c	456

2	Caesalpinia	600 c/c	541
3	Jatropha	300 c/c	535
4	Tecoma gaudichaudi	600 c/c	620
5	Mussaendra	300c/c	260
6	Murraya exotica	450 c/c	512
7	Hamelia patens	300 c/c	816

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	200 kW
	DG set as Power back-up during construction phase	180kVA
	During Operation phase (Connected load):	31742 KW
	During Operation phase (Demand load):	19926 KW
	Transformer:	Existing: 13 no. of 630 kVA Proposed: 7 no. of 630 kVA 12 no. of 999 kVA 1 no. of 315 kVA
	DG set as Power back-up during operation phase:	Existing 250 KVA – 2no. 160 KVA – 3 No. 125 KVA – 1 no., 500 KVA – 2 no. Proposed: 320 kVA- 4 no. 125 kVA- 2 no. 500 kVA- 1no.
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	No

48.Energy saving by non-conventional method:

i) Solar PV Panel - 324000 kwh/annum - 0.57 % savings
ii) Timer Logic Controller - 990154 kwh/annum - 1.73 % savings
iii) Electronic V3F drive for lifts - 52824 kwh/annum - 0.09 % savings
iv) Solar Water Heater for existing and proposed buildings - 8153640 kwh/annum - 14.24 % savings

Total % Saving - 16.63 %

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar PV Panels : 324000 KWH / Anum	0.57
2	Timer Logic Controller : 990154 KWH / Annum	1.73
3	Electronic V3F drive for Lifts : 52824 KWH / Annum	0.09
4	Solar Water Heater for existing and proposed buildings : 8153640 KWH / Annum	14.24

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
DOMESTIC SEWAGE	STP 1 no. 770 KLD, 1 no. of 640 KLD	3 STP

EMISSION	250 KVA – 2no. 160 KVA – 3 No. 125 KVA – 1 no., 500 KVA – 2 no.	320 kVA- 4 no. 125 kVA- 2no. 500 kVA- 1no.
MSW	2 composting machine	4 OWC

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 339.12 Lacs
	O & M cost:	Rs. 6.65 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	Air and Noise	Water For Dust Suppression Air & Noise Monitoring	2.64
2	Water	for construction + monitoring	6.6
3	Land	Site Sanitation- Mobile toilets	4.8
4	Biological	Gardening Set Up and top soil preservation	12
5	Socio- Economic Environment	Site Sanitation	4.3

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	STP	146	26
2	Rain Water Harvesting	RWH PITS	35	1.5
3	Solid Waste Management	OWC	88	22
4	Green Belt Development	Landscaping	93.41	5.6
5	Energy Use (Solar panel) Energy Use (Solar water heating)	energy saving	339.12	6.65
6	Swimming Pool	swimming pool	55 + 64	5 + 6.4
7	Environmental Monitoring	MoEFCC approved laboratory	MoEFCC approved laboratory	27.94
8	Basement dewatering for proposed phase	Basement dewatering for proposed phase	3.00	0.15

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:	Project is abutting to 18m road and junction known as Shivaji Chowk at North side, 24 m wide road at north side
Parking details:	**Number and area of basement:**	4 no. 95524.24 m2
	Number and area of podia:	5 no. 173818.05 m2
	Total Parking area:	182843.25 m2 (existing+proposed)
	Area per car:	Basement: 37.2 m2 Stilt/Podiun: 31.98 m2
	Area per car:	Basement: 37.2 m2 Stilt/Podiun: 31.98 m2
	Number of 2-Wheelers as approved by competent authority:	SCOOTER = 9562 NOS. CYCLE = 5655 NOS.
	Number of 4-Wheelers as approved by competent authority:	5528 NOS.
	Public Transport:	Local conveyance available
	Width of all Internal roads (m):	6 m driveway
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	8 b (B1)
	Court cases pending if any	No
	Other Relevant Informations	1) EC received from SEIAA, Maharashtra vide Letter No. SEAC-2013/CR-444/ TC- II dated 11th August 2016 2) Application to EAC (Infra-2) dated 04.04.2017 (Proposal Number Proposal No. IA/MH/NCP/63708/2017, File No. 21-164/2017-IA-III dated 13.06.2017 and ToR Amendment application for the same dated 26.02.2018 3) Transfer of project by MoEF & CC to State Portal of Maharashtra as per O.M. dt. 03.04.2018 by MoEF & CC
	Have you previously submitted Application online on MOEF Website.	Yes

	Date of online submission	26-02-2018

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 EC Bramha Suncity at S. No. 7/1, 7/2, 7/3, 7/4, 7/5, 8/1/1/2 and 3/2 (P) off Nagar Road, Kalyani Nagar, Wadgaon Sheri,Haveli, Pune by M/s Bramha Corp Ltd.

PP submitted their application for amendment in earlier Environmental clearance for total plot area of 177900 Sq. Mtrs, BUA of 808967.28 Sq. Mtrs and FSI area of 401493.89 Sq. Mtrs.

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

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

Specific Conditions by SEAC:

1) PP to submit HRC, CFO, Water NOC.
2) PP to submit undertaking stating that they provide mobile toilets as per rule.
3) PP to submit CER activities in consultation with the affected people in the project area as per MoEF&CC circular dtd 1/05/2018.

FINAL RECOMMENDATION

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

Agenda of 71st Meeting of SEAC-3

SEAC Meeting number: 71 **Meeting Date** September 20, 2018

Subject: Environment Clearance for Revalidation in Environmental Clearance of proposed SRA Residential construction project at Lohgaon, Pune, State- Maharashtra

Is a Violation Case: No

1.Name of Project	Slum Rehabilitation Authority Residential Project
2.Type of institution	Government
3.Name of Project Proponent	Raviraj Creative Associates
4.Name of Consultant	Mahabal Enviro Engineers Pvt. Ltd , Plot F-7 Road No. 21, Wagle Estate, Thane(West)-400604, Maharashtra
5.Type of project	SRA scheme
6.New project/expansion in existing project/modernization/diversification in existing project	Revalidition in Environment Clearance
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	There is no diversification or expansion in the project , We have received Environment Clearance having File no. SEAC-2010/CR.213/TC.2 dated 14.07.2010
8.Location of the project	S.No.203, Hissa No. 2-A, Viman Nagar, Lohgaon, Pune, Maharashtra
9.Taluka	Haveli
10.Village	Lohgaon
11.Area of the project	Pune Municipal Corporation (PMC) Under jurisdiction Slum Rehabilitation Authority Pune & Pimpri Chinchwad Area
12.IOD/IOA/Concession/Plan Approval Number	IOD applicable
	IOD/IOA/Concession/Plan Approval Number: Commencement Certificate no. 897/09 dated 14.10.2009
	Approved Built-up Area: 37698.44
13.Note on the initiated work (If applicable)	We have started work as per the Environment Clearance granted File no. SEAC-2010/CR.213/TC.2 dated 14.07.2010
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	We have received LOI from Slum Rehabilitation Authority for Pune and Pimpri Chinchwad area vide no. SRA/P/LOI-1/Ha.Va.L-11/4506/19/40
15.Total Plot Area (sq. m.)	17,000 m2
16.Deductions	4,433.85 m2
17.Net Plot area	12,566.15 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 37,586
	b) Non FSI area (sq. m.): 14,431
	c) Total BUA area (sq. m.): 52017
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)	4,801.49
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	38%
21.Estimated cost of the project	550000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	17 no. of buildings	P+11	34.65 m

23.Number of tenants and shops	Tenants-1,437 nos.

24.Number of expected residents / users	7,200 nos.
25.Tenant density per hectare	845/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)	18 m wide 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	We have started work as per the Environment Clearance granted File no. SEAC-2010/CR.213/TC.2 dated 14.07.2010
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):	642
	Recycled water - Flushing (CMD):	428 m3/day
	Recycled water - Gardening (CMD):	10 m3/day
	Swimming pool make up (Cum):	Not Applicable
	Total Water Requirement (CMD) :	1,070 m3/day
	Fire fighting - Underground water tank(CMD):	250 m3
	Fire fighting - Overhead water tank(CMD):	Not Applicable
	Excess treated water	504 m3/day

Wet season:	**Source of water**	Pune Municipal Corporation
	Fresh water (CMD):	642
	Recycled water - Flushing (CMD):	428 m3/day
	Recycled water - Gardening (CMD):	00 m3/day
	Swimming pool make up (Cum):	Not Applicable
	Total Water Requirement (CMD) :	1,070 m3/day
	Fire fighting - Underground water tank(CMD):	250 m3
	Fire fighting - Overhead water tank(CMD):	Not Applicable
	Excess treated water	504 m3/day
Details of Swimming pool (If any)	Not Applicable	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	10-15 m
	Size and no of RWH tank(s) and Quantity:	Not Applicable
	Location of the RWH tank(s):	Not Applicable
	Quantity of recharge pits:	15 nos.
	Size of recharge pits :	1.2 m X 2.0 m X 1.2 m
	Budgetary allocation (Capital cost) :	Rs.3.0 Lakh
	Budgetary allocation (O & M cost) :	Rs. 0.3 Lakhs/year
	Details of UGT tanks if any :	Total Capacity-12,63,000 liters

35.Storm water drainage	**Natural water drainage pattern:**	along with nalla
	Quantity of storm water:	3,844.3 m3
	Size of SWD:	250 mm to 350 mm

Sewage and Waste water	**Sewage generation in KLD:**	942
	STP technology:	Extended Aeration System
	Capacity of STP (CMD):	2nos of STP having capacity 1,010 m3/day
	Location & area of the STP:	On Ground
	Budgetary allocation (Capital cost):	Rs. 90 Lakh
	Budgetary allocation (O & M cost):	Rs. 12 Lakh/Year

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Debris & Excavated material
	Disposal of the construction waste debris:	Filling of low lying area and surplus will be disposed at authorized sites, top soil will be stored & used for green belt.
Waste generation in the operation Phase:	**Dry waste:**	1,080 kg/day
	Wet waste:	1,800 kg/day
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	0.8 kg/day
	Others if any:	Not Applicable
Mode of Disposal of waste:	**Dry waste:**	Handed over to PMC
	Wet waste:	Organic Waste Converter
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Used as manure
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	On Ground
	Area for the storage of waste & other material:	Provided
	Area for machinery:	Provided
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 10 Lakh
	O & M cost:	Provided

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 :**	1,500 m2
	No of trees to be cut :	Not Applicable
	Number of trees to be planted :	100 nos.
	List of proposed native trees :	Provided
	Timeline for completion of plantation :	One year after completion of project

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Acasia Auriculiformis	-	5	Provide lot of greenery to barren lands
2	Azadirachta Indica	Neem	6	Good drought resistant & air purifier & medicinal properties.
3	Albiza Lebbeck	Shirish	2	Large capacity of nitrogen fixing, drought resistant, good soil binder & medicinal properties.
4	Alstonia Scholaris	Saptaparni	6	Attract birds, butterfly and bees for flowering.
5	Bauhinea Purpurea	Kanchan	4	Good drought resistant & air purifier & medicinal properties.

6	Erthyrina Indica	Pangara	6	Large capacity of nitrogen fixing & capacity to retain water in soil.
7	Peltophorum Ferrugineum	Copper Pod Tree	7	Provide dense shade during summer..
8	Cassia Fistula	Bahava/Golden Shower Tree	6	Attract birds, butterfly and bees for flowering.
9	Lagestromia Speciosa	Flos Reginae	4	Provide lot of greenery to barren lands
10	Butea Monospema	Palas/Flame of Forest	3	Attract birds, butterfly and bees for flowering & ,medicinal plant.
11	Pongamia Pinnata/Glabra	Karanj	4	Nitrogen fixing & medicinal properties,Good for ecological restoration & host of butterflies.
12	Millingtonia Hortensis	Indian Crok tree	9	Nitrogen fixing capacity & retain water in soil
13	Terminilia Cuniata	Arjun	7	Medicinal Plant
14	Samania saman	Rain Tree	4	Dense shady during summer
15	Brassia Actinophylla	Umbrella Plant	2	Ornamental Tree
16	Plumeria Alba	Chafa	1	Ornamental Tree
17	Bambusa Vulgaris	Golden Bamboo verigated	4	Ornamental Tree
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	25 KW
	DG set as Power back-up during construction phase	25 Kva -1 No.
	During Operation phase (Connected load):	2,200 KW
	During Operation phase (Demand load):	4,476 kW
	Transformer:	630 KVA- 4 Nos.
	DG set as Power back-up during operation phase:	2 x 100 kVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	Not Applicable

48.Energy saving by non-conventional method:

CFL and t lamps will be used for common area lighting as these are most efficient light sources available at present.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	1. Use of CFL in basement & common areas.	-
2	2. Larger opening sizes and glazing on the north facade of the building to use maximum daylight and to reduce the use of artificial light.	-
3	3. Programmable on/off timers are proposed for parking , garden areas and staircase	-
4	4. Transformers located close to load center to minimize transmission losses.	-

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. 30 Lakh
	O & M cost:	Rs. 8 Lakh/Year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	2 nos. of STP	90.00	12.00
2	Rain Water Harvesting	15 nos. of recharge pits	3.00	0.30
3	storm Water Networking	-	8.00	0.10
4	Solid waste Management	-	10.00	0.00
5	Green Belt Developement	Plantation of trees	1.00	0.12

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1 no.
Parking details:	**Number and area of basement:**	Not Applicable
	Number and area of podia:	Not Applicable
	Total Parking area:	8,640 m2
	Area per car:	Not Applicable
	Area per car:	Not Applicable
	Number of 2-Wheelers as approved by competent authority:	1,437 nos.
	Number of 4-Wheelers as approved by competent authority:	Not Applicable
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	7.5 m
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	8(a), B2
	Court cases pending if any	Not Applicable
	Other Relevant Informations	We have received Environmental Clearance vide no. SEAC-201/CR.213/TC.2 dated 14th July,2010. We have applied for EC revalidation on MoEF portal having proposal no.SIA/MH/NCP/10210/2010 dated 18th February, 2016. Now, we are applying for revalidation in Environmental Clearance.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	18-02-2016

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Revalidation in Environmental Clearance of proposed SRA Residential construction project at S.No.203, Hissa No. 2-A, Viman Nagar, Lohgaon, Pune, State- Maharashtra by M/s.Raviraj Creative Associates.

PP submitted their application for Revalidation of Environmental clearance for total plot area of 17000 Sq. Mtrs, BUA of 52017 Sq. Mtrs and FSI area of 37586 Sq. Mtrs. PP proposes to construct 17 no. residential 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 shall maintain parameters of STP on driveway as per previous EC however PP shall ensure adequate ventilation.
2) PP to submit details of CER activities in consultation with the affected people in the project area as per MoEF&CC circular dated 01.05.2018 with details of fund utilization & agreement with executor.

FINAL RECOMMENDATION

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

Agenda of 71st Meeting of SEAC-3

SEAC Meeting number: 71 **Meeting Date** September 20, 2018

Subject: Environment Clearance for Building Construction Project

Is a Violation Case: No

1.Name of Project	Shiv Sagar Complex by M/s Sable Associates
2.Type of institution	Private
3.Name of Project Proponent	Mr. Sudhir Sable
4.Name of Consultant	PECS (Pollution and Ecology Control Services) & Vertex Enviro Consultancy Pvt Ltd
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	Not applicable
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	S. No 17/1+2+3/1+3/2A+3/2B+5+6+7+8 + 18/2A+2B+18/10/2 +18/10/3 Sinhagad Road, Manik Baug, Village- Vadgaon Budruk, Tehsil- Haveli, Pune
9.Taluka	Haveli
10.Village	Vadgaon Budruk
Correspondence Name:	M/s Sable Associates
Room Number:	CTS No 2134, F.P No 32B/24
Floor:	1st Floor
Building Name:	Adhishthan
Road/Street Name:	Vijaynagar Colony
Locality:	Sadashiv Peth
City:	Pune
11.Area of the project	Corporation Area
12.IOD/IOA/Concession/Plan Approval Number	Pune Municipal Corporation
	IOD/IOA/Concession/Plan Approval Number: CC/4903/06 Dated 30/03/2007 & CC/4035/12 Dated 26/03/2013
	Approved Built-up Area: 84806.77
13.Note on the initiated work (If applicable)	Work has been initiated.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	80600.33 Sqm
16.Deductions	10009.76 Sqm
17.Net Plot area	70590.57 Sqm
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 54992.62
	b) Non FSI area (sq. m.): 29814.15
	c) Total BUA area (sq. m.): 84806.77
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)	14244.49
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	17.67
21.Estimated cost of the project	1750000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	F - F1, F2, F3	LG+P+11	38.4
2	F - F4, F5, F6	LG+P+21	68
3	G	LG+P1+P2+P3+30	98
4	H	LG+G+5	23.2

23.Number of tenants and shops	No. of Tenants - 633 Nos. No. of Shops- 136 Nos.
24.Number of expected residents / users	Residential Users- 3165 Nos Commercial User- 1352 Nos.
25.Tenant density per hectare	Tenant density- 1100/Hector Tenement density- 182/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	9 M
29.Existing structure (s) if any	Structures are present as work has been initiated.
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**	PMC
	Fresh water (CMD):	311.89
	Recycled water - Flushing (CMD):	176.22
	Recycled water - Gardening (CMD):	52.97
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	541.08
	Fire fighting - Underground water tank(CMD):	500
	Fire fighting - Overhead water tank(CMD):	-
	Excess treated water	210.12
Wet season:	**Source of water**	PMC
	Fresh water (CMD):	311.89
	Recycled water - Flushing (CMD):	176.22
	Recycled water - Gardening (CMD):	0.0
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	488.11
	Fire fighting - Underground water tank(CMD):	500
	Fire fighting - Overhead water tank(CMD):	-
	Excess treated water	280.71
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:**	5 M BGL
	Size and no of RWH tank(s) and Quantity:	Not Proposed
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	14
	Size of recharge pits :	2 x 2 x 3
	Budgetary allocation (Capital cost) :	Rs. 18 Lacs
	Budgetary allocation (O & M cost) :	1 Lac/ annum
	Details of UGT tanks if any :	Domestic UG tank capacity: 596 Cum Flushing UG Tank Capacity: 218 Cum Fire UG Tank Capacity: 500 Cum Total: 1314 Cum
35.Storm water drainage	**Natural water drainage pattern:**	West to East
	Quantity of storm water:	3103 Cum/Hr
	Size of SWD:	450-600 mm
Sewage and Waste water	**Sewage generation in KLD:**	435 Cum
	STP technology:	Phytorid Technology
	Capacity of STP (CMD):	1 No. of 264 Cum, 1 No. of 135 Cum, 1 No. of 55 Cum Total 3 Nos of STP Proposed
	Location & area of the STP:	Shown on plan
	Budgetary allocation (Capital cost):	Rs. 120 Lacs
	Budgetary allocation (O & M cost):	Rs. 5 Lacs/ Annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Negligible
	Disposal of the construction waste debris:	Dumped at sites as mentioned by Authorities.
Waste generation in the operation Phase:	**Dry waste:**	1019 Kg/Day
	Wet waste:	845 Kg/Day
	Hazardous waste:	Nil
	Biomedical waste (If applicable):	Nil
	STP Sludge (Dry sludge):	Negligible
	Others if any:	Nil

Mode of Disposal of waste:	**Dry waste:**	Handed to authorized agency SWACH
	Wet waste:	Composting Machine
	Hazardous waste:	NIL
	Biomedical waste (If applicable):	NIL
	STP Sludge (Dry sludge):	Negligible
	Others if any:	NIL
Area requirement:	**Location(s):**	Shown on the plan
	Area for the storage of waste & other material:	252 Sqm
	Area for machinery:	252 Sqm
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 29.66 Lacs
	O & M cost:	Rs. 20.71 Lacs

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	8260.34 Sqm
	No of trees to be cut :	NIL
	Number of trees to be planted :	941 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	Artocarpus heterophyllus	Jackfruit	52	Tree with good canopy. Fruit & flower bearing, attracting avifauna.
2	Azadirachta indica	Neem	96	This tree with good canopy can tolerate high to very high temperature and has anti-desertification properties and is a good carbon dioxide sink.
3	Barringtonia acutangula	Newar	1	Shade giving tree, small pinkish red flowers, drooping
4	Bombax ceiba	Sawar	9	Large deciduous tree, with reddish orange flowers
5	Cassia fistula	Bahava	21	Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plant
6	Citrus limon	Lemon	14	Butterfly host plant
7	Cochlospermum religiosum	Ganer	135	Medium sized tree, with large yellow flowers
8	Erythrina variegata	Pangara	57	Shade giving tree, with vibrant red coloured flowers
9	Lagerstroemia flos-reginae	Tamhan	104	State flower tree of Maharashtra, Medium sized tree, beautiful purple flowers
10	Mangifera indica	Mango	50	Large evergreen tree with a dense dome-shaped crown attracts and provides nesting for avi fauna.
11	Manilkara zapota	Chikku	10	Fruit trees attracting butterflies/ birds
12	Michelia champaca	Chapha	18	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
13	Mimusops elengi	Bakul	151	Shade giving tree, small white fragrant flowers
14	Nyctanthes arbor-tristis	Parijatak	59	Small deciduous fast growing tree, beautiful flowers.
15	Psidium guajava	Guava	39	Fruit trees attracting butterflies/ birds
16	Tabebuia avellanedae	Pink Trumpet Tree	125	Small deciduous fast growing tree, beautiful Pink flower bunches.

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)	33 KW
	DG set as Power back-up during construction phase	40 KVA
	During Operation phase (Connected load):	3176 KW
	During Operation phase (Demand load):	2820.28 KVA
	Transformer:	630 KVA- 9 Nos. & 315 KVA - ! No.
	DG set as Power back-up during operation phase:	160 KVA - 1 No. & 125 KVA- 2 Nos.
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

1. Timers and contactors will be used to switch on / off common area and external landscape and façade lighting.
2. T5 fluorescent lamps (CFL) with high frequency ballast will be used for corridors and common areas & EXTERNAL ROAD LIGHTS.
3. All fluorescent light fixtures are specified to incorporate electronic chokes which have less watt-loss compared to electro-magnetic chokes and superior operating power factor. This indirectly saves energy. Electronic chokes also improves the life of the lamps.
4. Energy efficient CFL/T5/LED lamps which give approx 30% more light output for the same watts consumed and therefore require less number of fixtures and corresponding lower point wiring cost.
5. All cables will be derated to avoid heating during use. This also indirectly reduces losses and improves reliability to achieve the same. It is considered that the current carrying capacity of all the cables laid through ground/air whichever is minimum.
6. 125 liters' solar water is provided for each flat.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar Water Heater & Solar Street Lights	3.54 %

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. 86.06 Lacs
	O & M cost:	Rs. 1.99 Lacs

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water for dust Supression	Pollution Control	Rs. 1.22 Lacs
2	Site Sanitation	Health & Safety	Rs. 4.44 Lacs
3	Enviro Monitoring	Pollution Control	Rs. 6.06 Lacs
4	Disinfection	Health & Safety	Rs. 1.20 Lacs
5	Health & check up of labour	Health & Safety	Rs. 2.90 Lacs
6	Modular STP	Pollution Control	Rs. 10.35 Lacs

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	Waste water treatment	Rs. 120.00 Lacs	Rs.5.00 Lacs
2	RWH	Rain water harvesting pits	Rs.18.00 Lacs	Rs.1.00 Lacs
3	Landscape	Tree plantation	Rs. 35.00 Lacs	Rs. 5.00 Lacs
4	Energy Saving Measures	Non conventional modes of energy	Rs. 86.06 Lacs	Rs.1.99 Lacs
5	Solid Waste	Biodegradable waste management	Rs. 29.66 Lacs	Rs. 20.71 Lacs
6	Enviro Monitoring	pollution checkup & control	Rs. 0.00 Lacs	Rs. 6.06 Lacs
7	LG Parking Storm water pumping system	NA	Rs. 4.0 Lacs	Rs. 0.50 Lacs

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:	5 Nos.

Parking details:	**Number and area of basement:**	NIL
	Number and area of podia:	2 Nos. of Podium
	Total Parking area:	27072.23 Sqm
	Area per car:	12.5 Sqm/Car
	Area per car:	12.5 Sqm/Car
	Number of 2-Wheelers as approved by competent authority:	2488 Nos
	Number of 4-Wheelers as approved by competent authority:	540 Nos
	Public Transport:	NIL
	Width of all Internal roads (m):	Min 6M & 9M Wide
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	B
	Court cases pending if any	Criminal Suit for Violation
	Other Relevant Informations	1. Appeared before SEAC III in 51st Meeting. 2. Recommended by SEAC III
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	30-06-2017

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for Building Construction Project at S. No17/1+2+3/1+3/2A+3/2B+5+6+7+8+ 18/2A+2B+18/10/2 +18/10/3 Sinhagad Road,Manik Baug, Village- Vadgaon Budruk, Tehsil- Haveli, Pune Shiv Sagar Complex by M/s Sable Associates

PP submitted their application for prior Environment Clearance for total plot area of 80600.33 Sq.mt. BUA of 84,806.77 Sq. Mtrs and FSI area of 54,992.62 Sq. Mtrs. PP proposes to construct 8 nos. of residential buildings, commercial area of 4055.50 Sq.M having maximum height of 98 Mtrs. and a club house.

The case was earlier considered in the 29thmeeting of the SEAC - III held from 20th to 23rd April, 2015 when the case was sent to the Environment Department for the verification of the issue of the violation. Credible action has been initiated against the PP vide letter dated 13.01.2016. (Case No. 403667/2015 in the court at Pune). Therefore, SEAC - III committee considered the case for appraisal in its 41st meeting held from 27th to 30th January, 2015 when case was deferred.

The case was again considered in 44th meeting of the SEAC - III held from 28th to 31st March, 2016. During discussion PP informed that they have constructed building A to D having built up area 37,382.82Sq.M in 2004 prior to Applicability of the Act (EIA Notification, 2006). Therefore, built up area of 37,382.82Sq.M building A to D not considered in this application.

The building E& F having built up area 38,770.5 Sq.M were constructed after EIA Notification 2006. Therefore, case has been filed for construction of building E and F. PP informed that they have given occupancy to buildings A to E.

PP has applied for prior environmental clearance of building F, G and H. During deliberation committee confirmed that SEAC- III can only consider 82,806.77 Sq.M of total built up area of building F, G & H for prior environment clearance.

Now the case is 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:

2) PP to submit revised Debris management plan.
3) PP to submit revised DMP showing committee management, cost, lighting arrestor and Socio -economic infrastructure within vicinity land specially existing primary school, market hospital etc.
4) PP to submit Specific NOC for laying of 600 mm diameter SW drain along the proposed DP road taking into consideration the discharge from the surrounding vicinity
5) PP to submit phase wise programme for remaining work considering wind rise.
6) PP to submit R G drawing proposing tree plantation on virgin land, tree species showing existing and proposed.
7) PP to submit details of facilities that will be provided to Labour camp.
8) PP to submit details of STP.
9) PP to submit details of OWC.
10) PP to submit Indemnity Bond for project land.
11) PP to submit ecological damage report 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 CSIR Institution working in the field of Environment duly vetted by it.

FINAL RECOMMENDATION

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

Agenda of 71st Meeting of SEAC-3

SEAC Meeting number: 71 **Meeting Date** September 20, 2018

Subject: Environment Clearance for Proposed Building construction

Is a Violation Case: No

1.Name of Project	Aditya Garden Flora
2.Type of institution	Private
3.Name of Project Proponent	Mr. Pravin Kataria
4.Name of Consultant	Mr. Rajesh Shvarivasta, PECS- Pollution & Ecology control Services
5.Type of project	Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	Not applicable
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	S. No. 83/2/2, 83/2/2
9.Taluka	Haveli
10.Village	Warje
Correspondence Name:	Mr. Pravin Kataria
Room Number:	619
Floor:	NA
Building Name:	Above Rangoli Centre
Road/Street Name:	Bajirao Road
Locality:	Sadashiv Peth
City:	Pune
11.Area of the project	Corporation
12.IOD/IOA/Concession/Plan Approval Number	Pune Municipal Corporation
	IOD/IOA/Concession/Plan Approval Number: DPO 2620/09
	Approved Built-up Area: 21855.23
13.Note on the initiated work (If applicable)	We have applied for Environmental Clearance for our project “Aditya Garden Flora” for S. No. 83 (P) and project” Libero” of M/s. Satish Bora & Associates for S. No. 84 (P) at Warje, PUNE on 28/09/2011. The layout is sanctioned for 27,871.64 sqm vide CC from Pune Municipal Corporation No. CC/1352/09 Dated 07/01/2010. We appear before Hon. SEAC – III in its 6th Meeting held on 19th March, 2014 and it is observed that we have violated the provisions of Environment (Protection) Act, 1986. The Notice u/s 5 of Environment (Protection) Act, 1986 vide No. SEAC 2011/ CR – 660/ TC – 2 dated 17/04/2014. We appeared before Hon. Authority for hearing in response to the Show Cause Notice and The same is considered during the hearing and our case is considered as “Violation” by Authority vide their letter No. SEAC 2011/CR 660/TC 2 dated 01/01/2015. The due action was initiated and work is stopped at site. The suit is filed bearing No. 407774/2015 dated 17/03/2015.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	16000 Sqm
16.Deductions	0 Sqm
17.Net Plot area	16000 Sqm
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 15423.24 Sqm
	b) Non FSI area (sq. m.): 10223.48 Sqm
	c) Total BUA area (sq. m.): 25646.72
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)	4060.12

20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	25 %
21.Estimated cost of the project	372682000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A	P+11	34.75
2	B1	P+11	34.75
3	C	P+11	34.75
4	D	P+11	34.75
5	E1	P+2	9.18
6	E2	P+2	9.18
7	B2	P+12	39.6

23.Number of tenants and shops	No. of Tenements- 237 No. of Shops- 0
24.Number of expected residents / users	Residential Users- 1185 Commercial users- 0
25.Tenant density per hectare	148 Tenement/ hector
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	24 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	9M
29.Existing structure (s) if any	Yes
30.Details of the demolition with disposal (If applicable)	No Demolition is proposed as existing structures are part of the project

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):	114.15
	Recycled water - Flushing (CMD):	53.32
	Recycled water - Gardening (CMD):	9.6
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	177.07
	Fire fighting - Underground water tank(CMD):	225
	Fire fighting - Overhead water tank(CMD):	102.312
	Excess treated water	81.06
Wet season:	**Source of water**	Pune Municipal Corporation
	Fresh water (CMD):	114.15
	Recycled water - Flushing (CMD):	53.32
	Recycled water - Gardening (CMD):	0.0
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	167.47
	Fire fighting - Underground water tank(CMD):	225
	Fire fighting - Overhead water tank(CMD):	102.312
	Excess treated water	90.66
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:**	15M BGL
	Size and no of RWH tank(s) and Quantity:	RWH tank not proposed
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	8 Nos. of recharge pits proposed
	Size of recharge pits :	2 x 2 x 3
	Budgetary allocation (Capital cost) :	Rs. 8.38 Lacs
	Budgetary allocation (O & M cost) :	Rs. 1.33 Lacs
	Details of UGT tanks if any :	Domestic water tank- 136.25 Fire Water tank-225.0 Drinking water tank- 35.0 Flushing water tank- 86.25
35.Storm water drainage	**Natural water drainage pattern:**	North to South
	Quantity of storm water:	114 Cum/15 Min
	Size of SWD:	600mm
Sewage and Waste water	**Sewage generation in KLD:**	143.98
	STP technology:	MBBR
	Capacity of STP (CMD):	1 No. of 185 KLD
	Location & area of the STP:	Shown on Plan
	Budgetary allocation (Capital cost):	Rs. 25.0 Lacs
	Budgetary allocation (O & M cost):	Rs. 4.10 Lacs
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Negligible
	Disposal of the construction waste debris:	Construction Debris- Backfill & roads, Biodegradable Waste- In-situ Composting Non- biodegradable waste- Handed over to authorized vendor
Waste generation in the operation Phase:	**Dry waste:**	208 Kg/day
	Wet waste:	338 Kg/day
	Hazardous waste:	Negligible
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Negligible
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Handed over to authorised recycler for disposal
	Wet waste:	Through Organic Waste Composter
	Hazardous waste:	Handed over to authorized Vendor
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	In- situ composting
	Others if any:	NA
Area requirement:	**Location(s):**	Shown on plan
	Area for the storage of waste & other material:	30 Sqm
	Area for machinery:	Included in above area
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 11.15 Lacs
	O & M cost:	Rs. 0.93 Lacs

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	1600 Sqm
	No of trees to be cut :	0
	Number of trees to be planted :	Trees = 181 No. Shrubs= 278 Nos.
	List of proposed native trees :	Given below
	Timeline for completion of plantation :	Plantation Completed

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	kadulimb	azadirachta indica	33	medicainal value to control soil erosion to improve soil erosion
2	Kanchan	Bauhinia spp	25	Every part of the plant is medicinal,Drought tolerant species.
3	Bahava	Cassia fistula	25	Medicinal value, Drought tolerant species, Very ornamental, Well flowering plant, Honey bee attracting species, Host plant for Butterfly.
4	Buch	Millingtonia Hortensis	22	fragrant flowers or leaves, plant forpooja evergreen tree
5	Jamun	Eugenia jambolana	7	Medicinal value,Edible fruit,Bird attracting species.
6	Piwala Chapha	Michelia champaka	25	Medium sized evergreen tree, fragrant yellow flowers, butterfly host plant
7	Bakul	Mimusops elengi	24	Butterfly larvae host plant
8	Karanj	Pongamia pinnata	20	Medicinal value,Drought tolerant species,To control soil erosion, Hardy plant.
9	Allamanda (yellow)	Allamanda	35	Shrub
10	Calliandra	Powder puf	10	Shrub
11	Chrinum asiatum	Spider lily	13	Shrub
12	Chrysalidocarpus lutescens	Areca palm	74	Shrub
13	Dracena mahatma	Dracena	15	Shrub
14	Hibiscus	Hibiscus	73	Shrub
15	Nerium (varigated)	Kanher	14	Shrub
16	Stachyterpheta	-	18	Shrub
17	Tabernaemontana coronaria (var.)	Tagar	21	Shrub
18	Tecoma stans	-	05	Shrub
45.Total quantity of plants on ground				

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

Serial Number	Name	C/C Distance	Area m2

1	NA	NA	NA

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	40 kw
	DG set as Power back-up during construction phase	30 KVA
	During Operation phase (Connected load):	-
	During Operation phase (Demand load):	1189.25 KVA
	Transformer:	630 KVA
	DG set as Power back-up during operation phase:	82.5 & 30 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NO

48.Energy saving by non-conventional method:

Solar water heater and street lamps
energy efficient pumps
LED lamps for common areas
Timer switches for staircase loby lighting parking road & open area
PV generation equal to 1% of connected load (in k W)

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Low power high efficiency CFL/LED lights in common areas.	9198 KWH / annum
2	Low power high efficiency T5 lights for external and roads	18921.6 KWH / annum
3	Energy Saving by Solar Water heater .	688500 KWH / annum
4	Public Area lighting on dimmer control.	821.25 KWH / annum
5	Total Saving	4.97 %

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:**	39.99
	O & M cost:	0.79

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water for construction & Labour	To reduce dust generated during transportation, debris generation etc	1.00
2	Site Sanitation & Safety	prevention of human contact with the wastes of human excretion etc	1.20
3	Environmental Monitoring	Ambient Air quality, Noise Level, Exhaust from DG Set, Drinking Water	1.80
4	Disinfection	To prevent any outbreak of diseases	0.50
5	Health Check up	To ensure health of the working staff in order to reduce any health complication and infections generated on site during construction phase	0.50
6	Water for labour	Water for consumption, toilet use, bathing, washing utensils etc	0.50

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP	Waste water treatment	25	4
2	RWH	No of pits - cleaning etc.	8.38	1.33
3	Landscape	Landscape and plantation maintenance	27.94	1.00
4	Energy saving measures	Solar PV, street lights & Solar water heater, other energy saving devices	39.99	0.79
5	OWC	Biodegradable waste treatment	11.15	0.93
6	Enviro Monitoring	Ambient Air quality, Noise Level, Exhaust from DG Set, Drinking Water, Sewage from STP, As per EP act, Manure etc.	0.00	2.50
7	Safety Equipments	-	10.00	2.00
8	Dry Waste Management	Management for generated dry waste	0.00	1.42

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:**	0
	Number and area of podia:	0
	Total Parking area:	6885.6
	Area per car:	30
	Area per car:	30
	Number of 2-Wheelers as approved by competent authority:	472
	Number of 4-Wheelers as approved by competent authority:	160
	Public Transport:	0
	Width of all Internal roads (m):	6
	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	YES
	Other Relevant Informations	NA

	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	11-09-2018

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for Proposed Building construction Aditya Garden Flora at S. No. 83/2/2, 83/2/2 , Warje tal- Haveli by Mr. Pravin Kataria

DECISION OF SEAC

PP remains absent.

SEAC decided to defer the proposal.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

Agenda of 71st Meeting of SEAC-3

SEAC Meeting number: 71 **Meeting Date** September 20, 2018

Subject: Environment Clearance for Residential & Commercial Project

Is a Violation Case: No

1.Name of Project	"Mantra 7 Hills" by M/s. Mantra Buidcraft LLP
2.Type of institution	Private
3.Name of Project Proponent	Mr Sailesh Agarwal
4.Name of Consultant	Ultra-Tech
5.Type of project	Residential & Commercial Project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Earlier EC received vide letter No. SEAC-2016/C.R.424/TC-1,dated 12.05 2017
8.Location of the project	Gat.No.642,644,645,651,652,637/P, 638/P 654,633,634,635, 655 & 656
9.Taluka	Haveli
10.Village	Kirkitwadi
Correspondence Name:	M/s. Mantra Buildcrafts LLP
Room Number:	T4 - T5, Metropole Building - 3rd floor, Next to Inox Multiplex,Bund Garden Road Pune - 411001
Floor:	3rd floor,
Building Name:	Metropole Building
Road/Street Name:	Bund Garden Road
Locality:	Pune
City:	Pune
11.Area of the project	PMRDA
12.IOD/IOA/Concession/Plan Approval Number	Applied
	IOD/IOA/Concession/Plan Approval Number: 1
	Approved Built-up Area: 34899.83
13.Note on the initiated work (If applicable)	work has been initiated as per earlier EC
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	32,337.50 m2
16.Deductions	4930.53 m2
17.Net Plot area	27,406.98 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 48,753.00 m2
	b) Non FSI area (sq. m.): 29,855.00 m2
	c) Total BUA area (sq. m.): 34899.83
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)	4933.33 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	18 %
21.Estimated cost of the project	850000000

22.Number of buildings & its configuration

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

1	Wing A	G +5	19.45
2	Wing A1	P + 12	37.20
3	Wing B1+B2	2P + 12	37.20
4	Wing B3+B4	2P + 12	37.20
5	Wing C1+C2	2P + 12	37.20
6	Wing D1+D2	2P + 12	37.20
7	Wing E1+E2	2P+12	37.20

23.Number of tenants and shops	No. of Tenements: -972 Shops 10 nos. and offices 10 nos.
24.Number of expected residents / users	Residential: 4860 Nos. Shops + offices =139 Nos
25.Tenant density per hectare	360 tenant/hector
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	12 m Wide road , Fire station at Nanded city
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Turning radius for easy access of fire tender movement from all around the building is up to 9m
29.Existing structure (s) if any	Not Applicable
30.Details of the demolition with disposal (If applicable)	Not Appiicable

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 Kirkatwadi
	Fresh water (CMD):	440
	Recycled water - Flushing (CMD):	222
	Recycled water - Gardening (CMD):	16
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	678
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	10m3 for bldg A 20m3 each wing
	Excess treated water	358
Wet season:	**Source of water**	Grampanchayat Kirkatwadi
	Fresh water (CMD):	440
	Recycled water - Flushing (CMD):	222
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	662
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	10m3 for bldg A 20m3 each wing
	Excess treated water	374
Details of Swimming pool (If any)	Area = 80 SQ.M	

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	0	440	440	0	44	44	0	396	396
Domestic	0	222	222	0	22	22	0	200	200
Gardening	0	16	16	0	16	16	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Below 11 to31m
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	9 Nos.
	Size of recharge pits :	• 2X2X2m and Depth with 2 no. of de-siltation pits of 0.9 X 0.6 X 1.0 m. Deep and 60 m. Deep 6” Dia. Bore Wells.
	Budgetary allocation (Capital cost) :	Rs. 9.00 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 0.45 Lakhs/annum
	Details of UGT tanks if any :	Domestic UG tank Capacity(CM) : 660 m3 Flushing UG tank Capacity(CM):220m3 Fire fighting (CM):300 m3
35.Storm water drainage	**Natural water drainage pattern:**	From South to North
	Quantity of storm water:	21.0m3/min
	Size of SWD:	600 mm
Sewage and Waste water	**Sewage generation in KLD:**	596
	STP technology:	MBBR
	Capacity of STP (CMD):	650 m3
	Location & area of the STP:	Near building A1
	Budgetary allocation (Capital cost):	Rs. 63.11Lakhs
	Budgetary allocation (O & M cost):	Rs. 8.67 Lakhs/Annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	37 kg/day
	Disposal of the construction waste debris:	Used for back filling
Waste generation in the operation Phase:	**Dry waste:**	993 kg/day
	Wet waste:	1472 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	93 kg/day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	will be handed over to SWACH
	Wet waste:	OWC
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	used as manure
	Others if any:	NA
Area requirement:	**Location(s):**	Near A wing
	Area for the storage of waste & other material:	122 m2
	Area for machinery:	122 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 30.00 Lakhs
	O & M cost:	Rs.-.8.9 Lakhs/Annu

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	250KVA-1 Nos	HSD 42.6 lit./hr.	1	4.28m	NA	450 0C

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	3227.3 m2
	No of trees to be cut :	NA
	Number of trees to be planted :	358 Nos.
	List of proposed native trees :	358 Nos. + existing 6 Nos.= 364
	Timeline for completion of plantation :	2 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	Casslagrandls	Pink Shower	30	Drought tolerant, ornamental & medicinal plant
2	Michellachampa	Champa	27	Evergreen timber plant, ornamental,
3	Mimusopeselengii	Bakul	30	Evergreen tree, timber yielding and medicinal plant
4	Ficusbenjamino	Weeping fig	30	Evergreen & bird attracting tree
5	Syzygiumcumini	Jambul	29	fruit tree & bird attracting
6	Buteamonosperma	Flame tree	30	Used in pesticide & dye preparation,
7	Magniferaindica	Mango	30	Evergreen & bird attracting tree
8	Cassis fistula	Golden shower	27	Drought tolerant, ornamental & medicinal plant
9	Saracaindica	Sita Ashok	28	Evergreen medicinal plant
10	Roystiniaregia	Royal plam	32	Nitrogen fixer, ornamental plant
11	Manikarazapota	Chikoo	30	Tropical fruit tree & bird attracting tree
12	Neolamarikacadamba	Kadamba tree	29	Tropical fruit tree & bird attracting tree
13	Existing Trees	Existing	6	existing
14	TOTAL	TOTAL	358	TOTAL
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	75 KW
	DG set as Power back-up during construction phase	82.5 kVA
	During Operation phase (Connected load):	5732 KW
	During Operation phase (Demand load):	2521KW
	Transformer:	4 Nos. 630 KVA
	DG set as Power back-up during operation phase:	1 Nos. x 250 KVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

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

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Using Solar PV Panel :	0.33%
2	Using Timer Logic Controller	0.84%
3	Using Electronic VVF drive for Lifts	0.33%
4	Using Solar Water Heater :	13.59%
5	TOTAL	15.13%

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
STP	NA	650 kLD
OWC	NA	1 No.
DG set	NA	1 No., 250 KVA

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.180.55 Lakhs
	O & M cost:	Rs. 6.41 lakhs p. a.

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

1	Air & Noise	Water For Dust Suppression Air & Noise monitoring	0.84
2	Water	Tanker water for construction & worker Water monitoring	2.22
3	Land	Mobile Toilets & maintenance	5.4
4	Biological	Gardening & Excavation, transplantation	2.5
5	Socio	Disinfection at site, Safety, First Aid, Health Hygiene Facilities, Health Check Up, Creches for children , Personal Protective Equipment	5.85
6	Total	Total	18.51

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 No. Of 350 KL D capacity	63.11	8.67
2	Rain Water Harvesting	Recharge pits 4 Nos.	9.00	0.45
3	Environmental Monitoring	MoEF approved laboratory	0	6.20
4	Gardening	Plantation of 358 trees	42.35	0.13
5	Solid waste	OWC 1 No.	30.00	8.9
6	Energy	Energy Conservation method	180.55	6.41
7	Swimming Pool	1 No.	20.00	2.00

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

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

52.Any Other Information

No Information Available

53.Traffic Management

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

Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	4405 m2
	Area per car:	30 m2
	Area per car:	30 m2
	Number of 2-Wheelers as approved by competent authority:	Scooter - 1781 Nos., Cycle - 1781 Nos.
	Number of 4-Wheelers as approved by competent authority:	227 Nos.
	Public Transport:	NA
	Width of all Internal roads (m):	6m,9m, & 12 m wide
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8a (B2)
	Court cases pending if any	NA
	Other Relevant Informations	Work has been initiated as per earlier EC.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	04-08-2016

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for Residential & Commercial Project "Mantra 7 Hills" at at.No.642,644,645,651,652,637/P, 638/P 654,633,634,635, 655 & 656 Kirkitwadi tal-Haveli by M/s. Mantra Buidcraft LLP.

PP submitted their application for Environmental clearance for total plot area of 32,337.50 Sq. Mtrs, FSI area of 48,753.00 Sq. Mtrs, Non FSI area of 29,855.00 Sq.m and total BUA of 34899.83 Sq. Mtrs. Now, PP proposes to construct total 12 no. of residential building wings.

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 remains absent.

committee decided to defer the proposal and consider a fresh.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

Agenda of 71st Meeting of SEAC-3

SEAC Meeting number: 71 **Meeting Date** September 20, 2018

Subject: Environment Clearance for Proposed Residential & Commercial Development

Is a Violation Case: No

1.Name of Project	Proposed Residential & Commercial Development
2.Type of institution	Private
3.Name of Project Proponent	Mr. Mukesh Manohar Yeole
4.Name of Consultant	M/s. Ultra-Tech (Environmental Consultancy & Laboratory)
5.Type of project	Housing
6.New project/expansion in existing project/modernization/diversification in existing project	New
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	S. No. S. No. 211/1/1,211/1/2.,211/1/3,211/1/4, Village - Lohagaon. Tal. Haveli, Dist. Pune, Maharashtra
9.Taluka	Haveli
10.Village	Lohagaon
Correspondence Name:	2, Raghuvansh Apt, 940/4, Model Colony Shivajinagar, Pune-411016
Room Number:	2
Floor:	2
Building Name:	Raghuvansh Apt
Road/Street Name:	Model Colony
Locality:	Shivajinagar
City:	Pune
11.Area of the project	Yes
12.IOD/IOA/Concession/Plan Approval Number	Applied
	IOD/IOA/Concession/Plan Approval Number: Applied
	Approved Built-up Area: 33069.96
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	8300.00
16.Deductions	1147.72
17.Net Plot area	7152.28
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 19310.70
	b) Non FSI area (sq. m.): 13759.26
	c) Total BUA area (sq. m.): 33069.96
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)	3925.00
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	54.8
21.Estimated cost of the project	1200000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Residential + Commercial	B+G/P+8	27.24

23.Number of tenants and shops	166 Flats and 20 commercial /office /shop
24.Number of expected residents / users	Residential : 830 and commercial : 527
25.Tenant density per hectare	200
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	20 m from Yerawada fire station
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	NA
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	PMC
	Fresh water (CMD):	87
	Recycled water - Flushing (CMD):	51
	Recycled water - Gardening (CMD):	05
	Swimming pool make up (Cum):	00
	Total Water Requirement (CMD) :	143
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	120
	Excess treated water	68

Wet season:	**Source of water**	PMC
	Fresh water (CMD):	87
	Recycled water - Flushing (CMD):	51
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	00
	Total Water Requirement (CMD) :	138
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	120
	Excess treated water	73
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Fresh water requirement	Not applicable	87	87	Not applicable	14	14	Not applicable	73	73
Domestic	Not applicable	51	51	Not applicable	00	00	Not applicable	51	51
Gardening	Not applicable	05	05	Not applicable	05	05	Not applicable	00	00

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	3
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	As per layout
	Quantity of recharge pits:	2
	Size of recharge pits :	2.00m x 2.00m x 3.00m
	Budgetary allocation (Capital cost) :	15.00 Lacs
	Budgetary allocation (O & M cost) :	0.50 Lacs/annum
	Details of UGT tanks if any :	UGT are provided

35.Storm water drainage	**Natural water drainage pattern:**	NW to E
	Quantity of storm water:	419.66 m3/hr
	Size of SWD:	300 mm dia
Sewage and Waste water	**Sewage generation in KLD:**	124
	STP technology:	Eco-Bio-Pack
	Capacity of STP (CMD):	130
	Location & area of the STP:	As marked on drawing and area provided 90 Sq. m
	Budgetary allocation (Capital cost):	24.50 Lacs
	Budgetary allocation (O & M cost):	5.30 Lacs/annum

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	25 Kg/day
	Disposal of the construction waste debris:	Excavation: 37000 m3 Backfill: 11930 m3 For levelling: 2500 m3 To be sent to other site: 22570 m3
Waste generation in the operation Phase:	**Dry waste:**	198 Kg/day
	Wet waste:	263 Kg/day
	Hazardous waste:	Nil
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	4.5 Kg/day
	Others if any:	NA
Mode of Disposal of waste:	**Dry waste:**	Handed over to authorized recyclers (SWaCH)
	Wet waste:	Organic Waste Convertor
	Hazardous waste:	Handed over to authorized recyclers if any
	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:	52.40 Sq. m.
	Area for machinery:	considered in above area
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	11.98 Lacs
	O & M cost:	3.60 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	HSD	02	3	1	300

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	00	46.47	46.47

41.Source of Fuel	Nearby pump
42.Mode of Transportation of fuel to site	By road

43.Green Belt Development

Total RG area :	1266.53
No of trees to be cut :	00
Number of trees to be planted :	112
List of proposed native trees :	112
Timeline for completion of plantation :	2020

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Manikara Zapota	Chikoo	08	Fruit bearing
2	Michelia champaca	champa	04	Flowering plant
3	mimusopes elengii	bakul	11	Flowering plant
4	ficus benjamina	weeping fig	10	Medicinal plant
5	cassia fistula	golden shower	10	Flowering plant
6	butea monosperma	flame tree	05	Flowering plant

7	cassia grandis	pink shower	11	Flowering plant
8	saraca indica	sita ashok	10	Fruit bearing
9	roystonia regia	royal palm	18	ornamental tree
10	syzgiam cumini	jambhul	12	Fruit bearing
11	neolamarkia cadamba	kadamba	10	Fruit bearing
12	mangifera indica	mango	03	Fruit bearing
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	75 KW
	DG set as Power back-up during construction phase	62.5 KVA
	During Operation phase (Connected load):	2223 KVA
	During Operation phase (Demand load):	1390 KVA
	Transformer:	1 nos. x 1750 KVA
	DG set as Power back-up during operation phase:	1 nos. x 225 KVA + 1 nos. x 60 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	No

48.Energy saving by non-conventional method:

Solar photovoltaic generation : 1 % of connected load
Solar water heating system: 20% saving

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar photovoltaic generation	1 % of connected load
2	Solar water heating system	20% saving

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
DG sets	Not applicable	Stack as per CPCB standards

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	6.37 Lakhs
	O & M cost:	0.25 lakhs/annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water For Dust Suppression	0.32
2	Air Environment	Air & Noise monitoring	0.48
3	Water Environment	Tanker water for construction	1.08
4	Water Environment	Water monitoring	0.60
5	Land Environment	Site Sanitation	8.10
6	Biological Environment	Gardening	2.50
7	Biological Environment	Top soil preservation	0.19
8	Socio- Economic Environment	Socio- Economic	7.65

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	2 pits	15.00	0.50
2	Sewage Treatment Plant	1 STP	24.50	5.30
3	Organic Waste Composting	1 OWC	11.98	3.60
4	Tree Plantation	Native Tree Plantation	14.61	3.00
5	Energy saving	Energy saving	6.37	0.25
6	Environment Monitoring	Environment Monitoring	00	6.60
7	Basement Ventilation	Basement Ventilation	68.00	3.40

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Traffic generated from this project will confluent on existing 20 m wide road
Parking details:	**Number and area of basement:**	1 no of basement area -5400 Sq.m.
	Number and area of podia:	No. of Podia:01 Area of Podium: 1078 Sqm
	Total Parking area:	9109.25 Sqm
	Area per car:	12.50
	Area per car:	12.50
	Number of 2-Wheelers as approved by competent authority:	156
	Number of 4-Wheelers as approved by competent authority:	10
	Public Transport:	Nearest Bus Stop: Vimannagar
	Width of all Internal roads (m):	9 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8 (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 Proposed Residential & Commercial Development at S. No. S. No. 211/1/1,211/1/2.,211/1/3,211/1/4, Village - Lohagaon. Tal. Haveli, Dist. Pune, by Mr. Mukesh Manohar Yeole.

PP submitted their application for prior Environmental clearance for total plot area of 8300 Sq. Mtrs, BUA of 33069..96 Sq. Mtrs and FSI area of 19310.70 Sq. Mtrs. PP proposes to construct 1 no. residential plus 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

PP to submit IOD/IOA/Concession Document/Plan Approval or any other form of documents as applicable clarifying its conformity with local planning rules and provisions there under as per the Circular dated 30.01.2014 issued by the Environment Department, Govt. of Maharashtra.

PP to submit revised composition of building and its configuration and change the CS accordingly.

PP to submit basement approval plan.

PP to submit parking statement plan as per norms. PP to submit revised fire tender movement plan showing culdesac arrangement and gate for separation of residential and commercial vehicle movement.

PP to submit cross section of fire tender movement at 4 locations.

PP to submit revised parking layout plan with ramp width not less than 7.5 m & slop not greater than 1:10.

PP to separate commercial & residential parking.

PP to submit undertaking for treated water as per recent CPCB norms.

PP to submit revised aviation NOC.

PP to submit geohydrological report.

PP to submit a plan for sewer line connectivity arrangement up to final disposal point.

PP to submit cross sections of the plot boundary showing the Strom water drain, space left in between compound wall, tree plantation line, and internal road

PP to submit debris management plan.

PP to submit details of socioeconomic infrastructure nearby vicinity.

PP to submit plan for S.W. drain up to final disposal point.

PP to submit an undertaking for assured water supply.

DECISION OF SEAC

PP remains absent.

SEAC decided to defer the proposal.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

Agenda of 71st Meeting of SEAC-3

SEAC Meeting number: 71 **Meeting Date** September 20, 2018

Subject: Environment Clearance for Proposed Residential Project

Is a Violation Case: No

1.Name of Project	Proposed Residential Project
2.Type of institution	Private
3.Name of Project Proponent	Mrs. Swati Sachin Khinvasara
4.Name of Consultant	Pollution & Ecology Control Services Near Dhantoli Police Station, Dhantoli, Nagpur
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Gat No. 1539 (P) + 1541 (P)
9.Taluka	Shirur
10.Village	Saradwadi
Correspondence Name:	187/188 Near Bhavkar Garage Lane, Shivajinagar, Pune-05
Room Number:	187/188
Floor:	-
Building Name:	-
Road/Street Name:	Bhavkar Garage lane
Locality:	Shivajinagar
City:	Pune
11.Area of the project	Other Area
12.IOD/IOA/Concession/Plan Approval Number	In conformity with Development Control Rules
	IOD/IOA/Concession/Plan Approval Number: No
	Approved Built-up Area: 14817.35
13.Note on the initiated work (If applicable)	Building B constructed as per earlier sanction
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	No
15.Total Plot Area (sq. m.)	15200
16.Deductions	1501.65
17.Net Plot area	13698.35
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 14817.35
	b) Non FSI area (sq. m.): 7513.86
	c) Total BUA area (sq. m.): 22331.21
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)	2990.7
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	0.22
21.Estimated cost of the project	375000000

22.Number of buildings & its configuration

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

1	WING - A	G/P+5	19
2	WING - B	P+5	17.7
3	WING - C	P+5	17.7
4	WING - D	P+5	17.7
5	WING - E	P+5	17.7
6	WING - F	P+5	17.7
7	WING - G	P+5	17.7
8	WING - G	P+5	17.7

23.Number of tenants and shops	No. of Tenents- 310 No of Shops- 7 No. of Offices- 44
24.Number of expected residents / users	Expected Residents- 1550 Expected users- 507
25.Tenant density per hectare	227
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	18 M
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Min 4.5 m
29.Existing structure (s) if any	Building B constructed as per previous sanction
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 Saradwadi
	Fresh water (CMD):	149.64
	Recycled water - Flushing (CMD):	82.43
	Recycled water - Gardening (CMD):	8.22
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	240.29
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	70
	Excess treated water	141.41
Wet season:	**Source of water**	Grampanchayat Saradwadi
	Fresh water (CMD):	149.64
	Recycled water - Flushing (CMD):	82.43
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	232.07
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	70
	Excess treated water	149.64
Details of Swimming pool (If any)	Not Applicable	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	12 Mtr
	Size and no of RWH tank(s) and Quantity:	1 No. of 70 Cum of Raw water tank
	Location of the RWH tank(s):	Raw water UGT
	Quantity of recharge pits:	12 Cum
	Size of recharge pits :	2 X 2 X 3
	Budgetary allocation (Capital cost) :	1.95
	Budgetary allocation (O & M cost) :	0.08
	Details of UGT tanks if any :	Residential UGT - 249 Cum Commercial UGT- 23 Cum
35.Storm water drainage	**Natural water drainage pattern:**	South to North
	Quantity of storm water:	6850 Cum
	Size of SWD:	450 mm to 600 mm
Sewage and Waste water	**Sewage generation in KLD:**	240.29
	STP technology:	MBBR
	Capacity of STP (CMD):	220 Cum- 1 no 24 Cum- 1 No
	Location & area of the STP:	As shown on Plan
	Budgetary allocation (Capital cost):	33.0
	Budgetary allocation (O & M cost):	3.63

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Dry waste- 3.5 Kg/D Wet Waste- 3.5 Kg/D
	Disposal of the construction waste debris:	The construction debris shall be disposed on site as far as possible in back filling, leveling, by preserving top soil for gardening and excess shall be disposed as per the directions from the authority
Waste generation in the operation Phase:	**Dry waste:**	360.7 Kg/D
	Wet waste:	490.35 Kg/D
	Hazardous waste:	Negligible
	Biomedical waste (If applicable):	Nil
	STP Sludge (Dry sludge):	21.96 Kg/D
	Others if any:	Nil

Mode of Disposal of waste:	**Dry waste:**	Through authorised agency
	Wet waste:	In-situ by Composting
	Hazardous waste:	Through authorised agency
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	In-situ by Composting
	Others if any:	If Any , through authorized agency
Area requirement:	**Location(s):**	As shown on the Plan
	Area for the storage of waste & other material:	24.5 sqm
	Area for machinery:	24.5 Sqm
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	10.8
	O & M cost:	2

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 :**	1369.83
	No of trees to be cut :	0
	Number of trees to be planted :	172
	List of proposed native trees :	Parijatak Kanak Champa Kamini/Kunti Chickoo Lemon Apta Bakul Karanj Tamhan Bahava Pangara
	Timeline for completion of plantation :	Before completion of the project

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Nyctanthes arbor-tristis	Parijatak	16	This Small tree has highly fragrant flowers those attract Bees and Butterflies, Fruits attract Birds.
2	Ochna obtusata	Kanak Champa	16	Native, this shrub has yellow fragrant flowers, Host plant for Butterflies.
3	Murraya paniculatum	Kamini/Kunti	16	Native to Western Ghats, this shrub has fragrant white flowers and dense foliage. It is a host plant for Butterflies.
4	Manilkara zapota	Chickoo	15	This small tree attracts Birds and Bees. Edible Fruit.
5	Citrus limon	Lemon	16	This Shrub is used in everyday Cooking and acts as a host plant for Butterflies.
6	Bauhinia racemosa	Apta	16	Native to Pune, this Shrub has a Religious importance
7	Mimusops elengi	Bakul	16	Native, Evergreen Foliage and Flowering tree has dense branching, hence good for Wind screening. Flowers are deeply fragrant and attracts birds and Bees.
8	Pongamia pinnata	Karanj	16	Native to Pune, this Deciduous White Flowering tree . Attracts Birds and Arboreal Mammals.
9	Lagerstroemia reginae	Tamhan	16	This Purple Flowering plant is the State flower of Maharashtra.
10	Cassia fistula	Bahava	15	This Flowering and Deciduous tree has beautiful Yellow chandeliers in Summers. Good perching site for Birds.
11	Erythrina variegata	Pangara	14	Native to Western Maharashtra, this Reddish-Orange Flowering and Deciduous tree attracts lot of Birds for the Nectar.
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)	60
	DG set as Power back-up during construction phase	30
	During Operation phase (Connected load):	1291.35
	During Operation phase (Demand load):	1054.21
	Transformer:	630 KVA- 1 No. 315 KVA- 1 No.
	DG set as Power back-up during operation phase:	125 KVA- 1 No. 30 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:

1. Solar Water Heater- 31 KLD
2. Solar PV Generation- 11 KWD
3. Solar Street lights- 3.6 KWD

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar Water Heater	0.3 %
2	Solar street Lights	0.26 %
3	Solar PV	1.07 %

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	32.22
	O & M cost:	0.65

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Site Sanitation & safety	Health & safety	0.60

2	Environment Monitoring	Air, Noise, Water & Soil	1.80
3	Disinfection	Health & Safety	0.50
4	Health Checkup	Health	0.50

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Rain Water Harvesting	Pits	1.95	0.08
2	Sewage Generated	STP	33.00	3.63
3	Solid Waste	Composting	10.8	2
4	Plantation	Trees	8.22	0.42
5	Energy	Non Conventional	32.22	0.65
6	Monitoring	Air, Noise, Soil & Water	0	1.80

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	One junction with sufficient width provided for incoming and outgoing cars separately to avoid traffic congestion

Parking details:	**Number and area of basement:**	0
	Number and area of podia:	0
	Total Parking area:	4556.8
	Area per car:	30
	Area per car:	30
	Number of 2-Wheelers as approved by competent authority:	1444
	Number of 4-Wheelers as approved by competent authority:	92
	Public Transport:	Not Proposed in project
	Width of all Internal roads (m):	Min 4.5
	CRZ/ RRZ clearance obtain, if any:	NOT APPLICABLE
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NOT APPLICABLE
	Category as per schedule of EIA Notification sheet	8 (a)
	Court cases pending if any	No
	Other Relevant Informations	No
	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 Project at Gat No. 1539 (P) + 1541 (P) by Mrs. Swati Sachin Khinvasara.

PP submitted their application for prior Environmental clearance for total plot area of 15200Sq. Mtrs, BUA of22331.21Sq. Mtrs and FSI area of 14817.35Sq. Mtrs.PP proposes to construct 8 no. residential building (wings)PP submitted their application for prior Environmental clearance for total plot area of 15200Sq. Mtrs, BUA of22331.21Sq. Mtrs and FSI area of 14817.35Sq. Mtrs.PP proposes to construct 8 no. residential building (wings).

DECISION OF SEAC

PP remains absent.

SEAC decided to defer the proposal.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

Agenda of 71st Meeting of SEAC-3

SEAC Meeting number: 71 **Meeting Date** September 20, 2018

Subject: Environment Clearance for Environmental clearance for “SDPL GREEN” Proposed Multi-Family Residential Project at KH. No. 13-15/1 & 2, Mouza Wanjara, Taluka & Nagpur (MS).

Is a Violation Case: No

1.Name of Project	“SDPL GREEN” Proposed Multi-Family Residential Project at KH. No. 13-15/1 & 2, Mouza Wanjara, Taluka & Nagpur (MS).
2.Type of institution	Private
3.Name of Project Proponent	M/s. Sandeep Dwellers Pvt. Ltd.
4.Name of Consultant	Mr. H.K. Desai M/s. Enviro Analysts & Engineers Pvt. Ltd. Address: B-1003, Enviro House, 10th Floor, Western Edge II, Western Express Highway, Borivali (E), Mumbai - 400066.
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	Not applicable
8.Location of the project	KH. No. 13-15/1 & 2, Mouza Wanjara, Nagpur (MS)
9.Taluka	Nagpur
10.Village	Nagpur
Correspondence Name:	Ar. Rahul Agrawala
Room Number:	NA
Floor:	NA
Building Name:	3C, Gulmohar, Temple road, Civil line, Nagpur - 440001
Road/Street Name:	3C, Gulmohar, Temple road, Civil line, Nagpur - 440001
Locality:	3C, Gulmohar, Temple road, Civil line, Nagpur - 440001
City:	Nagpur - 440001
11.Area of the project	N.M.C. limits / Planning Authority – N.I.T.
12.IOD/IOA/Concession/Plan Approval Number	Plans are approved by NIT
	IOD/IOA/Concession/Plan Approval Number: Plans are approved by NIT Number E.E.(North)/165 dated 16.01.2018
	Approved Built-up Area: 22148.344
13.Note on the initiated work (If applicable)	Existing wing A, Wing B, Wing C, wing D, Wing E, Wing F and Convenience shopping was constructed on plot as per sanction on dated 18.11.2013 of covered area 19750.55 sq. m. and OC was obtained for wing B, wing D and Convenience shopping on dated 5.11.2016.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Plans are approved by NIT
15.Total Plot Area (sq. m.)	16200
16.Deductions	4167.79
17.Net Plot area	12032.03
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 12211.688
	b) Non FSI area (sq. m.): 9936.656
	c) Total BUA area (sq. m.): 22148.344
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)	5380.886 sq m. of plot area
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	33.215 %
21.Estimated cost of the project	337400000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Block A: wing A to D	G+7	23.250
2	Block A: wing E & F	G+1	5.850
3	Block B	G+4	14.900
4	Block D	G+2	13.950
5	Club House	G+1	7.950

23.Number of tenants and shops	Flats: 241 nos. & Shops: 33 nos.
24.Number of expected residents / users	1271 nos
25.Tenant density per hectare	169.13
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	9 M INTERNAL ROAD CONNECTED 24 M wide road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Minimum 9.0 mt.
29.Existing structure (s) if any	Existing wing A, Wing B, Wing C, wing D, Wing E, Wing F and Convenience shopping was constructed on plot as per sanction on dated 18.11.2013 of covered area 19750.55 sq. m. and OC was obtained for wing B, wing D and Convenience shopping on dated 5.11.2016.
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**	Nagpur Municipal Corporation
	Fresh water (CMD):	110
	Recycled water - Flushing (CMD):	56
	Recycled water - Gardening (CMD):	12
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	178
	Fire fighting - Underground water tank(CMD):	25
	Fire fighting - Overhead water tank(CMD):	25 x 2
	Excess treated water	62
Wet season:	**Source of water**	Nagpur Municipal Corporation
	Fresh water (CMD):	110
	Recycled water - Flushing (CMD):	56
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	166
	Fire fighting - Underground water tank(CMD):	25
	Fire fighting - Overhead water tank(CMD):	25 x 2
	Excess treated water	74
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:**	5.7 to 6.8 m
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	Underground
	Quantity of recharge pits:	6 Nos.
	Size of recharge pits :	2.5 M x 7.0
	Budgetary allocation (Capital cost) :	300000
	Budgetary allocation (O & M cost) :	60000
	Details of UGT tanks if any :	Domestic UG Tank Capacity: 60 Cum x 4 nos. Flushing UG tank Capacity : 50 Cum x 2 Fire water tank : 25 Cum
35.Storm water drainage	**Natural water drainage pattern:**	The natural slope for drainage is from North East to South West direction.
	Quantity of storm water:	608.26 mm/hr
	Size of SWD:	250, 300 & 450 mm Ø (Pipe size)
Sewage and Waste water	**Sewage generation in KLD:**	144
	STP technology:	Phytorid
	Capacity of STP (CMD):	160 (Existing 115 Phytorid & Proposed 45 Phytorid)
	Location & area of the STP:	On ground 202 sq. m.
	Budgetary allocation (Capital cost):	6000000
	Budgetary allocation (O & M cost):	300000
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction phase waste: Excavated material 14035 Cum : Used in back filling 9824.5 Cum(70 %) and rest will be use for leveling and landscaping 4210.5 Cum (30%), Empty Cement/Putty Bags: 73362 Nos : To be sold to vendor, Aggregates: 2191 cft. : Reuse on site for making road, Scrap: 19 MT : To be sold to Recycler, Empty paint cans (20 lit per can): 35 nos. :To be sold to vendor, Waste Tiles: 790 sq.m. : Broken pieces will be used for china mosaic waterproofing of terraces.
	Disposal of the construction waste debris:	Construction debris like sand, soil, bricks, tiles will recycled and utilized for levelling and surplus will be disposed off at authorized site as per norms. Top soil will be preserved for landscaping.
Waste generation in the operation Phase:	**Dry waste:**	253 kg/day
	Wet waste:	367 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	very negligible will be used as manure.
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	will be hand over to recycler
	Wet waste:	will Composted using organic waste converter
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Use as a Manure
	Others if any:	NA
Area requirement:	**Location(s):**	On fround
	Area for the storage of waste & other material:	36 sq.m.
	Area for machinery:	3 sq.m.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	1200000
	O & M cost:	200000

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

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

43.Green Belt Development	**Total RG area :**	2430.30 sq. m.
	No of trees to be cut :	NA
	Number of trees to be planted :	122 nos.
	List of proposed native trees :	Azadirachta indica 14, Delonix regia 12, Ficus racemosa 12, Mangifera indica 12, Gmelina arborea 12, Syzygium cumini 12, Phyllanthus emblica 12, Terminalia Tomentosa 12, Terminalia arjuna 12, Pongamia pinnata 12.
	Timeline for completion of plantation :	At the end of the 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	Azadirachta indica	Neem	14	Evergreen & native avenues roadsides for shade, used as windbreak, purifies air.
2	Delonix regia	Gulmohar	12	Deciduous tree with orange; red flowers, ornamental
3	Ficus racemosa	Udumbar	12	Evergreen, Native, flowering and fruiting tree with medicinal value.
4	Mangifera indica	Mango	12	Evergreen, fruiting tree with medicinal value
5	Gmelina arborea	Gamhar	12	Deciduas, fast growing , flowering with medicinal value.
6	Syzygium cumini	Jamun	12	Evergreen, Native, flowering and fruiting tree
7	Phyllanthus emblica	Awla	12	Evergreen, fruiting tree with medicinal value
8	Terminalia Tomentosa	Asan	12	Deciduous tree with medicinal value
9	Terminalia arjuna	Arjun	12	Deciduous tree with medicinal value, white flowers
10	Pongamia pinnata	Karanja	12	It is a medium sized glabrous, perennial tree, flower and seeds of this plant also have medicinal properties
45.Total quantity of plants on ground				

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

Serial Number	Name	C/C Distance	Area m2
1	NA	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	25 KVA
	During Operation phase (Connected load):	1123 KW
	During Operation phase (Demand load):	765 KW
	Transformer:	1 x 630 & 1 x 500 KVA
	DG set as Power back-up during operation phase:	1 No. of 82.5 KVA
	Fuel used:	DIESEL
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

LED Light will be provided for Common Area & Lift Lobby , lift with VFDs will be provided, Saving in Plumbing pump by using high Eff Pumps, Saving Due To Grid Connected 15 KW Solar Power ,

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	LED Light for Common Area & Lift Lobby	Unit saved 75.75 KW (55%)
2	Saving in lift by using VFD	Unit saved 172.8 KW (20%)
3	Saving in Plumbing pump by using high Eff Pumps(water lfting+STP) (10 kwh STPx8+16.41kwh pumpx6 hr)	Unit saved 142.76 KW (20%)
4	Saving Due To Grid Connected 15 KW Solar Power	Unit saved (100%)

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:**	192
	O & M cost:	16.2

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	Dust Supression	2
2	Health, Safety & First Aid Facility	For labors and emploees	5

3	Sanitary facility and Wastewater Management	For labors and emploees	10
4	Environmental Monitoring as per stipulation in EC and Consent.	Air, Water,waste water, Soil and Noise	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	Recharge pits will be provided	3	0.6
2	Municipal Solid Waste Management	OWC will be provided	12	2
3	Wastewater Management (STP)	STP will be provided	60	3
4	Energy Conservation	Solar power, CFL,LED lights , energy efficient motors will be provided	81	1.60
5	Landscaping	122 will be planted on project site	36	7
6	Environmental Monitoring	Air, Water,waste water, Soil and Noise	0	2

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	9 M INTERNAL ROAD CONNECTED 24 M wide road

Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	9429 sq.m.
	Area per car:	25 sq.m.
	Area per car:	25 sq.m.
	Number of 2-Wheelers as approved by competent authority:	Scooters 581 nos. & Cycles 581 nos.
	Number of 4-Wheelers as approved by competent authority:	Car 165 nos.
	Public Transport:	Project comes under urban area all transport facility is available like Bus, Auto etc.
	Width of all Internal roads (m):	9.0 m wide.
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	Category B, schedule 8(a)
	Court cases pending if any	NO
	Other Relevant Informations	THIS IS A CONSTRUCTION PROJECT AND WE WILL MAINTAINED THE ENVIRONMENTAL QUALITY AT THE TIME OF CONSTRUCTION AND OPERATION PHASE.
	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 Environmental clearance for "SDPL GREEN" Proposed Multi-Family Residential Project at KH. No. 13-15/1 & 2, Mouza Wanjara, Taluka & Nagpur (MS). By M/s. Sandeep Dwellers Pvt. Ltd

PP submitted their application for prior Environmental clearance for total plot area of 16200 Sq. Mtrs, BUA of 22148.344 Sq. Mtrs and FSI area of 12211.688 Sq. Mtrs. PP proposes to construct 4 no. residential building (wings) & 1 club house.

DECISION OF SEAC

PP remains absent,

Committee decided to defer the proposal and consider a fresh.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

SEAC Meeting number: 71 **Meeting Date** September 20, 2018

Subject: Environment Clearance for Building Construction Project

Is a Violation Case: No

1.Name of Project	50 Greens & 108 Green Heights
2.Type of institution	Private
3.Name of Project Proponent	Mr. Bhaven Bhaskarbhai Amen
4.Name of Consultant	Mr. Rajesh Shrivastava
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	Not applicable
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Gat No. 41, Beed Bypass, Aurangabad
9.Taluka	Aurangabad
10.Village	Satara
Correspondence Name:	Mr. Bhaven Bhaskarbhai Amen
Room Number:	-
Floor:	-
Building Name:	Ruchika Arcade
Road/Street Name:	Opp Khadkeshwar Mandir
Locality:	Khadekashwar
City:	Aurangabad
11.Area of the project	Corporation Area
12.IOD/IOA/Concession/Plan Approval Number	Aurangabad Municipal Corporation
	IOD/IOA/Concession/Plan Approval Number: 993/2010-2011
	Approved Built-up Area: 45995.26
13.Note on the initiated work (If applicable)	Construction Initiated for Buildings & Bunglows as per sanction plan. Notice u/s -5 of EIA Notification 2006 issued.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	31713 Sqm
16.Deductions	Nil
17.Net Plot area	31713 Sqm
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 29882.20
	b) Non FSI area (sq. m.): 18142
	c) Total BUA area (sq. m.): 48024.20
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 29882.20
	Approved Non FSI area (sq. m.): 17894.60
	Date of Approval: 16-12-2010
19.Total ground coverage (m2)	9095
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	28.68 %
21.Estimated cost of the project	491700000

22.Number of buildings & its configuration

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

1	Building 1	P+7	27
2	Building 2	P+7	27
3	Building 3	P+7	27
4	Building 4	P+7	27
5	Bunglows	G+1	7

23.Number of tenants and shops	No. of Tenements- 158 No. of Shops- 0
24.Number of expected residents / users	Residential Users- 790 Nos Commercial Users- 0 Nos
25.Tenant density per hectare	50 Tenement / hector
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	18 M wide
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 M
29.Existing structure (s) if any	Yes
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	Aurangabad Municipal Corporation
	Fresh water (CMD):	76.68
	Recycled water - Flushing (CMD):	35.55
	Recycled water - Gardening (CMD):	19.05
	Swimming pool make up (Cum):	5.58
	Total Water Requirement (CMD) :	131.28
	Fire fighting - Underground water tank(CMD):	100
	Fire fighting - Overhead water tank(CMD):	-
	Excess treated water	63.21
Wet season:	**Source of water**	Aurangabad Municipal Corporation
	Fresh water (CMD):	76.68
	Recycled water - Flushing (CMD):	35.55
	Recycled water - Gardening (CMD):	0.0
	Swimming pool make up (Cum):	5.58
	Total Water Requirement (CMD) :	112.23
	Fire fighting - Underground water tank(CMD):	100
	Fire fighting - Overhead water tank(CMD):	-
	Excess treated water	82.26
Details of Swimming pool (If any)	Swimming pool = 15m x 6.2m x 1.2m	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	13M
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	Collected in raw water tank
	Quantity of recharge pits:	6 Nos
	Size of recharge pits :	2m x 2m x 3m
	Budgetary allocation (Capital cost) :	Rs. 3.90 Lacs
	Budgetary allocation (O & M cost) :	Rs. 0.16 Lac/Annum
	Details of UGT tanks if any :	Domestic UG Tank Capacity = 107 Cum Flushing UG Tank Capacity = 28 Cum Fire UG Tank Capacity = 100 Cum
35.Storm water drainage	**Natural water drainage pattern:**	North to south
	Quantity of storm water:	15856.5 Cum
	Size of SWD:	450 mm to 600 mm
Sewage and Waste water	**Sewage generation in KLD:**	112.23 Cum
	STP technology:	MBBR
	Capacity of STP (CMD):	1 No. of 118 KLD
	Location & area of the STP:	Shown on plan
	Budgetary allocation (Capital cost):	Rs.16 Lacs
	Budgetary allocation (O & M cost):	Rs.1.76 Lacs/ Annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	2.5 Kg/day
	Disposal of the construction waste debris:	Handed over to authorized agency
Waste generation in the operation Phase:	**Dry waste:**	Rs. 158 Kg/day
	Wet waste:	Rs. 247.52 kg/day
	Hazardous waste:	Nil
	Biomedical waste (If applicable):	Nil
	STP Sludge (Dry sludge):	10.62
	Others if any:	Na

Mode of Disposal of waste:	**Dry waste:**	Handed over to authorized agency
	Wet waste:	In-situ composting
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	In- situ Composting
	Others if any:	NA
Area requirement:	**Location(s):**	Shown on Plan
	Area for the storage of waste & other material:	28 Sqm
	Area for machinery:	Considered in above area.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 5.22 Lacs
	O & M cost:	Rs. 1 Lacs / Annum

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	3175 Sqm
	No of trees to be cut :	Nil
	Number of trees to be planted :	190 Nos
	List of proposed native trees :	Listed below
	Timeline for completion of plantation :	Before completion of the project

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Nyctanthes arbor-tristis	Parijatak	18	This Small tree has highly fragrant flowers those attract Bees and Butterflies, Fruits attract Birds.
2	Ochna obtusata	Kanak Champa	18	Native, this shrub has yellow fragrant flowers, Host plant for Butterflies.
3	Murraya paniculatum	Kamini/Kunti	18	Native to Western Ghats, this shrub has fragrant white flowers and dense foliage. It is a host plant for Butterflies.
4	Manilkara zapota	Chickoo	16	This small tree attracts Birds and Bees. Edible Fruit.
5	Citrus limon	Lemon	18	This Shrub is used in everyday Cooking and acts as a host plant for Butterflies.
6	Bauhinia racemosa	Apta	18	This Shrub is used in everyday Cooking and acts as a host plant for Butterflies.
7	Mimusops elengi	Bakul	18	Native, Evergreen Foliage and Flowering tree has dense branching, hence good for Wind screening. Flowers are deeply fragrant and attracts birds and Bees.
8	Pongamia pinnata	Karanj	18	Native to Pune, this Deciduous White Flowering tree . Attracts Birds and Arboreal Mammals.
9	Lagerstroemia reginae	Tamhan	18	This Purple Flowering plant is the State flower of Maharashtra.
10	Cassia fistula	Bahava	16	This Flowering and Deciduous tree has beautiful Yellow chandeliers in Summers. Good perching site for Birds.
11	Erythrina variegata	Pangara	14	This Flowering and Deciduous tree has beautiful Yellow chandeliers in Summers. Good perching site for Birds.
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	60 KW
	DG set as Power back-up during construction phase	30KVA
	During Operation phase (Connected load):	2327.02 KW
	During Operation phase (Demand load):	981.18 KVA
	Transformer:	630 KVA- 2 Nos
	DG set as Power back-up during operation phase:	125 KVA- 1 No.
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Common area lighting such as parking, stairways, passages etc shall be provided with LED bulbs
• LED for entire Drive way and internal roads and pathways
• Solar Water heating system shall be provided for entire scheme as per norms
• Energy efficient pumps.
• Timer for Staircase lighting, Lift Lobby, Parking area and street lights.
• Energy saving devices for passenger lifts.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar water heater, Solar street light & PV Generation	0.14 %

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.36.90 Lacs
	O & M cost:	Rs.0.75 Lacs/Annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

1	Water for construction & Labour	Water Requirement	1.60
2	Site Sanitation & Safety	Health & Safety	1.60
3	Environmental Monitoring	Pollution Monitoring & control	1.80
4	Disinfection	Health & Safety	0.50
5	Health Check up	Health & Safety	0.50

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Rain Water Harvesting	RWH Pits	3.90	0.16
2	Sewage Treatment Plant	Waste water treatment	16.00	1.76
3	Organic Waste Composting	Solid waste management	5.22	1
4	Tree Plantation	Landscape development	15.00	1.15
5	Energy saving	Energy conservation	36.90	0.75
6	Environment Monitoring	Pollution control	0.00	1.80

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

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

52.Any Other Information

No Information Available

53.Traffic Management

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

Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	9985.6
	Area per car:	12.5 Sqm
	Area per car:	12.5 Sqm
	Number of 2-Wheelers as approved by competent authority:	316 nos
	Number of 4-Wheelers as approved by competent authority:	316 Nos
	Public Transport:	NA
	Width of all Internal roads (m):	9 M
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8(a)
	Court cases pending if any	No
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for Building Construction Project 50 Greens & 108 Green Heights at Gat No. 41, Beed Bypass, Aurangabad by Mr. Bhaven Bhaskarbhai Amen.

PP submitted their application for prior Environmental clearance for total plot area of 31713 Sq. Mtrs, BUA of 48024.20 Sq. Mtrs and FSI area of 29882.20 Sq. Mtrs. PP proposes to construct 4 no. residential buildings with bunglows

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.

Agenda of 71st Meeting of SEAC-3

SEAC Meeting number: 71 **Meeting Date** September 20, 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, 0000001524 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 Riverview City by Mr. Satish Dattatraya Magar.

PP submitted their application for expansion of 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.

During discussion following points emerged:

Land Environment.

1. PP to clarify whether Adivasi land, public /pvt, forest or Govt land is included in township.
2. PP to submit an Indemnity Bond for project land.
3. PP to take Trial pit at 10 locations where development is expected as per the proposed master and at other open places to understand the soil strata and the same shall be reflected in the ecological report and to clarify whether the base line near village is charged.
4. PP to carry out the soil tests in the villages falling in the vicinity to check the properties whether acidic/alkaline.
5. PP to clarify the following
    1. Will the existing land use get significantly altered from the project that is consis ant from surroundings?
    2. Whether land use confirms to Master plans approved by competent authority.
6. PP to clarify whether the drainage pattern of the site is same are maintained or proposed to be diverted, if so PP to obtain NOC from Competent Authority as it is seen that natural water courses/major nallas and small nallas are passing through the site.
7. PP to submit the plan for soil stabilisation at proposed construction site to prevent soil erosion.
8. PP to clarify whether the proper sewage disposal facility, creches, Medical treatment facilities etc. are provided to the labourers.
9. PP to submit the phase wise programme for the development of entire land considering the wind direction on site.
10. PP to examine baseline environmental quality along with the projected incremental load, after development of the project.
11. PP to obtain Specific NOC from the respective authority for the tree cutting and transplantation.

1. PP to provide Socio -economic infrastructure within their area specially primary school, market, hospital, fire brigade station, transport facilities, crematories etc.as per terms and conditions applicable for "Special Town Ship". However as per committee's opinion it is necessary to provide the composite crematories within the township considering the future need.

12. PP to ensure that UDPFI guidelines shall be followed and road network is designed accordingly and propose the amenities required accordingly.
13. PP to prepare an plan for all phases showing alignment of internal storm water drain up to final disposal points giving details of available depth of municipal drain/nalla.

Air Pollution.

1. PP to prepare the report on air quality on projected impact due to the activity. the report should be prepared using primary monitoring data at all locations where in construction is planned, kerb side monitoring, the meteorological data at site may be provided .The report shall be prepared taking in account following points:-
2. A. The projected impacts should be estimated using prevailing and recommended modelling tools for dispersion of various pollutants and identifications of area of the impact with receptors.
3. B. PP to mark the sampling locations of the monitoring station on the master plan and locate the receptor.
4. C. PP to submit details of grid wise emission inventory for construction phase and operation phase .The emission inventory should be based on the current vehicle count and projected increase in the vehicle traffic for various category of vehicles. The pollutants to be covered should include PM 10, PM 2.5, CO, HC and NOx. PP has presented few details on the same including above points to be submitted during presentation.
5. PP to submit details of wind rose used during monitoring.
6. PP to submit the mitigation measures for avoiding the adverse impact on air quality, particularly with respect to the receptors.

DECISION OF SEAC

After detail discussion of the case, committee shared the observations with the PP in respect to Land environment & Air Pollution and asked to submit information to the committee for further discussion and consideration of SEAC and asked the PP for detail presentation on water- waste water chapter in the next meeting and also PP shall make detail presentation regarding EIA studies/TOR on water & waste water 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.