101 SEAC-3 Day 01

SEAC Meeting number: 101 **Meeting Date** January 9, 2020

Subject: Environment Clearance for project by M/s Sukhwani Promoters & Builders

Is a Violation Case: Yes

1.Name of Project	Sukhwani Palm
2.Type of institution	Private
3.Name of Project Proponent	Mr. Maneel Achantani
4.Name of Consultant	Sneha Hi-Tech Products,Bangalore
5.Type of project	Residential
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Gat No. 572-576,578-590,594,595,597,598 &617 Near Lifeline hospital , Pune -Nagar Road,
9.Taluka	Haveli
10.Village	Wagholi
Correspondence Name:	Mr. Basant Sukhwani
Room Number:	208/2A
Floor:	-
Building Name:	Sukhwani House
Road/Street Name:	station road
Locality:	Pimpri
City:	Pune
11.Whether in Corporation / Municipal / other area	PMRDA
12.IOD/IOA/Concession/Plan Approval Number	In Process
	IOD/IOA/Concession/Plan Approval Number: -
	Approved Built-up Area: 30142.55
13.Note on the initiated work (If applicable)	26195.65 m2
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	18800.00 m2
16.Deductions	2820 m2
17.Net Plot area	15980.0 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 20078.06 m2
	b) Non FSI area (sq. m.): 18984.07 m2
	c) Total BUA area (sq. m.): 39062.13
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 14165.31
	Approved Non FSI area (sq. m.): 15977.24
	Date of Approval: 21-10-2014
19.Total ground coverage (m2)	3165.46 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	16.83 % of Total Plot Area – 18800.00 m2 & 19.80 % of Net Plot Area - 15980.0 m2
21.Estimated cost of the project	600000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Wing A	P+9	28.65
2	Wing B	P+9	28.65
3	Wing C	P+10	31.50
4	Wing D	P+8	25.80
5	Wing E	P+8	25.80
6	Wing F	P+8	25.80
7	Wing G	P+8	25.80
8	Wing H	P+8	25.80
9	Wing I	P+8	25.80
10	Wing J	P+8	25.80

23.Number of tenants and shops	Total Tenements - 400 Nos.
24.Number of expected residents / users	Residential Users: 2000 Nos.
25.Tenant density per hectare	212.76 Nos. / 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)	60 m wide road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	Not Applicable
30.Details of the demolition with disposal (If applicable)	Not Applicable

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	Wagholi Grampanchyat
	Fresh water (CMD):	288.00 m3/day
	Recycled water - Flushing (CMD):	90.0 0m3/day
	Recycled water - Gardening (CMD):	13.00 m3/day
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	185.00 m3/day
	Fire fighting - Underground water tank(CMD):	300 m3
	Fire fighting - Overhead water tank(CMD):	200 m3
	Excess treated water	144.50 m3/day
Wet season:	**Source of water**	Wagholi Grampanchyat
	Fresh water (CMD):	275.00 m3/day
	Recycled water - Flushing (CMD):	90.00 m3/day
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	185.00m3/day
	Fire fighting - Underground water tank(CMD):	300 m3
	Fire fighting - Overhead water tank(CMD):	200 m3
	Excess treated water	157.50 m3/day
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	10-12 m (BGL)
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	8 Nos.
	Size of recharge pits :	3.0 m x 3.0 m x 3.0 m depth
	Budgetary allocation (Capital cost) :	Rs. 24.00 Lakh
	Budgetary allocation (O & M cost) :	Rs. 0.56 Lakh/Year
	Details of UGT tanks if any :	Domestic UG tank Capacity: 298.00 m3 Flushing UG tank Capacity : 103.00 m3 Fire UG tank Capacity : 300.00 m3
35.Storm water drainage	**Natural water drainage pattern:**	-
	Quantity of storm water:	599.37 m3/Hr.
	Size of SWD:	600 mm
Sewage and Waste water	**Sewage generation in KLD:**	247.5 m3/day
	STP technology:	MBBR
	Capacity of STP (CMD):	250.0 m3/day
	Location & area of the STP:	-
	Budgetary allocation (Capital cost):	Rs. 13.60 Lakh
	Budgetary allocation (O & M cost):	Rs. 6.54 Lakh / Year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	12.75 kg/day
	Disposal of the construction waste debris:	Use for Leveling
Waste generation in the operation Phase:	**Dry waste:**	400 kg/day
	Wet waste:	600 kg/day
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	26.91 kg/day (100% Dry)
	Others if any:	Not Applicable

Mode of Disposal of waste:	**Dry waste:**	SWACH
	Wet waste:	Organic Waste Converter
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Used as Manure after treatment in OWC.
	Others if any:	-
Area requirement:	**Location(s):**	-
	Area for the storage of waste & other material:	60 m2
	Area for machinery:	10 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.16.00 Lakh
	O & M cost:	Rs.5.34 Lakh / Year

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	DG set - 125 KVA	HSD -16 lit/hr.	S-1	4.5 m	As per norms	As per norms
2	DG set - 62.5 KVA	HSD - 10 lit/hr.	S-2	4.5 m	As per norms	As per norms

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	16 lit/hr.	10 lit/hr.	26 lit/hr.
41.Source of Fuel		Bharat Petroleum corporation limited /Hindustan Petroleum		

42.Mode of Transportation of fuel to site	By roadway

43.Green Belt Development	**Total RG area :**	2166.87 m2
	No of trees to be cut :	-
	Number of trees to be planted :	351
	List of proposed native trees :	351
	Timeline for completion of plantation :	completed

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Cassia fistula	Amaltas	04	small medium sized flowering deciduous tree reaching a height of 8-10 m
2	Millingtonia hortensis	Indian cork Tree	09	ever green tall tree with straight trunk grows upto 30m ht.
3	Livistonia rotundifolia	Table Palms	50	semi shade, shade growing, More than 12m ht
4	Hyophorbe lagenicaullis	Bottle Palms	17	Sun growing and semi shade, Foliage upto 6-8 m height
5	Spathodea campanulata	Fountain Tree	04	Evergreen or deciduous tree in dry area reaching a height of 15-20m with light grey
6	Areca catechu	Supari Palms	151	Ornamental plants, it yiels areca nut, highly medicinal nut, semi shade growing
7	Dypsis lutescens	Areca Palms	54	sun growing, semi shade, foliage, 6-8 m height
8	Ccordia sebestene	Cordia	02	Small evergreen tree, ht. 5-8 m, flowering tree quick growing
9	Pongamia glabra	Karanja	01	moderate sized, grows in all types of soil, deciduous tree 10-12m, flowering starts at the age of 3-4 years
10	Delonix regia	Gulmohar	03	erect tree , 15-20 m, quickly growing, suitable for road side plantation, spreading canopy
11	Thevetia nerifolium	Bitti white Peach	07	Landscape plant, evergreen n maintenance free, Long leaves, funnel shaped floweers in yellow & white
12	Swietenia mahogonia	Mahogany	05	Pretty feathery foliage, slow growing shady tree, up to 35 m tall
13	Bauhinia blackenea	Kanchan	04	Beautiful flowering tree, 8m ht, large leaves and floers planted in public and private gardens
14	Bambusoideae	Bamboo tree	18	Erosion control plant, large canopy, proetects surrounding environment

15	Ficus benjamina	Java	08	Large , graceful evergrrn tree, 15-20m height, fruits are receptacle
16	Cupressus sempervirens	Golden Cyprus	08	Often planted in center of big lawns, or in pots
17	Prunus dulcis	Almond	06	Edible type consumed as nuts.
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	30 KW
	DG set as Power back-up during construction phase	30 KVA - 01No.
	During Operation phase (Connected load):	1140.73 KW
	During Operation phase (Demand load):	1267.47KVA
	Transformer:	630 KVA - 02 Nos. & 22 KVA - 01 No.
	DG set as Power back-up during operation phase:	125 KVA – 01 No. & 62.5KVA – 01 No.
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

The following Energy Conservation Methods are proposed in the project:
1. Solar lights will be provided for common amenities like street Lighting.
2. Auto timer switches will be done for street lights, garden lights , parking lights and other common area lights for saving electrical energy.
3. Installing Automatic power factor correction panel for power quality improve and reducing line losses.
4. Automatic water level controllers with timers will be used for water pumps
5. To create awareness to end consumers or flat owners for using energy efficient light fittings like CFL , T5 Lamps.
6. Using energy efficient lifts with V3F drive .

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	External Lighting using solar lighting	10800 KWH

2	Total Savings in power / Annum (in KWH)	115740 KWH
3	Energy Consumed / Annum in the absence of energy savings method (in KWH)	242040 KWH
4	Total Energy Consumption / Annum (in KWH) with energy saving method	126300 KWH
5	Total Energy Consumption / Annum (in KWH) with energy saving method	126300 KWH

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 33.12 Lakh
	O & M cost:	Rs. 1.65 Lakh / Year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP	Capacity - 250 KLD	13.60	6.54
2	RWH	-	24.00	0.56
3	MSW	-	16.00	5.34
4	Solar System	-	33.12	1.65
5	Landscaping	-	15.00	5.00
6	Safety Equipments	-	10.00	2.00
7	Post EC Monitoring	-	-	2.50
8	Dry Waste Management	-	-	2.40

9	Alternate Water Supply	-	-	45.60

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	-
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	6657.25 m2
	Area per car:	70.82 m2
	Area per car:	70.82 m2
	Number of 2-Wheelers as approved by competent authority:	528 Nos.
	Number of 4-Wheelers as approved by competent authority:	94 Nos.
	Public Transport:	NA
	Width of all Internal roads (m):	6.00 m
	CRZ/ RRZ clearance obtain, if any:	No
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8(a)
	Court cases pending if any	Court case closed

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

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

Brief information of the project by SEAC

PP had submitted application for prior Environmental clearance for total plot area of 18800 m2, FSI area of 20078.06 m2, Non FSI area of 18984.07 m2 and total BUA of 39062.13 m2.

PP informed that the total constructed area on site is 26437.78 m2.

The building configuration of the proposal is as below:

1	Wing A	P+9	Height 28.65 m
2	Wing B	P+9	Height 28.65 m
3	Wing C	P+10	Height 31.50 m
4	Wing D	P+8	Height 25.80 m
5	Wing E	P+8	Height 25.80 m
6	Wing F	P+8	Height 25.80 m
7	Wing G	P+8	Height 25.80 m
8	Wing H	P+8	Height 25.80 m
9	Wing I `	P+8	Height 25.80 m
10	Wing J`	P+8	Height 25.80 m

PP has applied as per the MoEF&CC Notification dated 14/03/2017 and 8/03/2018. PP informed that the total constructed area on site is: 37538.00 m2.

PP was issued Terms of Reference in 84th SEAC-3 meeting for undertaking Environment Impact Assessment (EIA) and preparation of Environment Management Plan (EMP). Accordingly, PP has submitted Environment Impact Assessment (EIA) and Environment Management Plan (EMP).

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

DECISION OF SEAC

During discussion following points emerged:

1. PP to obtain specific NOC for laying storm water drain on the public road for a length about 240 m up to final disposal point and incorporate cost of laying drain in EMP.

2. PP to obtain and submit following NOC's: (a) CFO NOC, (b) Water supply with quantity, (c) Drainage NOC.

3. The committee noted that Cost of remediation plan and natural & community resource augmentation plan as per revised approach paper is estimated as Rs. 1.6 Cr. The Committee also noted that the amount of CER as per MoEF & CC circular dated 1/05/2018 is Rs. 0.2 Cr which is less than the remediation / augmentation plan. Therefore committee decided to obtain Bank Guarantee of Rs 1.6 Cr for the project completion period.

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

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

101 SEAC-3 Day 01

SEAC Meeting number: 101 **Meeting Date** January 9, 2020

Subject: Environment Clearance for Residential Construction Project

Is a Violation Case: No

1.Name of Project	Up - Life
2.Type of institution	Private
3.Name of Project Proponent	Avior Infratech
4.Name of Consultant	Not yet appointed
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	S. No. 431
9.Taluka	Mulshi
10.Village	Urawade
Correspondence Name:	Mr. Anand Somani
Room Number:	Shop No. DS 4 & 5
Floor:	Ground floor
Building Name:	Soba Savera Society
Road/Street Name:	Bibwewadi Road
Locality:	Bibwewadi
City:	Pune
11.Whether in Corporation / Municipal / other area	PMRDA
12.IOD/IOA/Concession/Plan Approval Number	In process
	IOD/IOA/Concession/Plan Approval Number:
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	27,700 sq.m
16.Deductions	8885.95 sq.m
17.Net Plot area	18814.05 sq.m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 30,193.85 sq.m
	b) Non FSI area (sq. m.): 14,846.58 sq.m
	c) Total BUA area (sq. m.): 45040.43
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval: 08-08-2019
19.Total ground coverage (m2)	11941.23 sq.m
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	56.48 %
21.Estimated cost of the project	758500000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A - 3 Nos.	G + 4	14.85
2	A1 - 6 Nos.	G + 4	14.85
3	A2 - 2 Nos.	G + 4	14.85
4	A3 - 2 Nos.	P + 4	14.65
5	B1 - 6 Nos.	G + 4	14.85
6	B2 - 14 Nos.	P + 4	14.65
7	B3 - 3 Nos.	G + 4	14.85
8	B4 - 1 Nos.	P + 4	14.65
9	C1 - 4 Nos.	P + 4	14.65
10	D - 1 No	G + 4	14.85
11	D1 - 10 Nos.	P + 4	14.65
12	D2 - 9 Nos.	P + 4	14.65
13	E1 - 1 No.	P + 4	14.65
14	F (MHADA) - 1 No.	P + 8	25.80

23.Number of tenants and shops	No. of Tenants - 341
24.Number of expected residents / users	No. of Residents - 1705
25.Tenant density per hectare	162
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 Existing Road (30 m Proposed RP road)
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	NA
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	Grampanchayat Urawade
	Fresh water (CMD):	153 KL/day
	Recycled water - Flushing (CMD):	77 KL/day
	Recycled water - Gardening (CMD):	25 KL/day
	Swimming pool make up (Cum):	5 KL/day
	Total Water Requirement (CMD) :	260 KL/day
	Fire fighting - Underground water tank(CMD):	NA
	Fire fighting - Overhead water tank(CMD):	25 KLD/ wing of MHADA
	Excess treated water	105 Kl/day
Wet season:	**Source of water**	Grampanchayat Urawade
	Fresh water (CMD):	153 KL/day
	Recycled water - Flushing (CMD):	77 Kl/day
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	5 KL/day
	Total Water Requirement (CMD) :	235 Kl/day
	Fire fighting - Underground water tank(CMD):	NA
	Fire fighting - Overhead water tank(CMD):	25 KLD/ wing of MHADA
	Excess treated water	130 Kl/day
Details of Swimming pool (If any)	Dimension of Swimming pool - 12m x 6m , 3m x 3m Area of Swimming Pool - 93 sq.m Capacity of Swimming pool - 100 KL Make up Quantity - 5 KLD	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Fresh water requirement	NA	153 Kl/day	153 Kl/day	NA	15 Kl/day	15 Kl/day	NA	138 Kl/day	138 Kl/day
Gardening	NA	25 Kl/day	25 Kl/day	NA	25 Kl/day	25 Kl/day	NA	NA	NA

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	15 m BGL
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	15 Nos.
	Size of recharge pits :	2 m x 2 m x 1.5 m
	Budgetary allocation (Capital cost) :	Rs. 22.50 Lakh
	Budgetary allocation (O & M cost) :	Rs. 1 Lakh/yr.
	Details of UGT tanks if any :	Residential - Drinking water tank capacity - 27.56 KLD Domestic water tank capacity - 137 KLD MHADA Drinking water tank capacity - 10.8 KLD Domestic water tank capacity - 54 KLD
35.Storm water drainage	**Natural water drainage pattern:**	As per contour
	Quantity of storm water:	897.05 m3/hr.
	Size of SWD:	600 mm
Sewage and Waste water	**Sewage generation in KLD:**	207 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	2 No., Capacity of STP - 235 KLD (170 KLD + 65 KLD)
	Location & area of the STP:	AS per Services Layout
	Budgetary allocation (Capital cost):	Rs. 51 Lakh
	Budgetary allocation (O & M cost):	Rs. 16 Lakh/yr.
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	1 % of waste material
	Disposal of the construction waste debris:	Excavated Earth material will be used for filling material for plinth area & top soil for landscaping
Waste generation in the operation Phase:	**Dry waste:**	341 Kg/day
	Wet waste:	512 Kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	14.5 Kg/day
	Others if any:	E waste - 853 Kg/yr.

Mode of Disposal of waste:	**Dry waste:**	Through authorized vendour
	Wet waste:	Through mechanical composting
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as manure
	Others if any:	E waste - through Authorized vendour
Area requirement:	**Location(s):**	As per services layout
	Area for the storage of waste & other material:	13.5 sq.m
	Area for machinery:	45 sq.m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 17 Lakh
	O & M cost:	Rs. 4 Lakh/yr.

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	mg/lit	6.5 - 7.5	6.5 - 7.5	----
2	TSS	mg/lit	less than equal to 100	less than equal to 50	Not to Exceed 50 mg/lit
3	BOD (3 days @27C)	mg/lit	less than equal to 300	less than equal to 10	Not to Exceed 10 mg/lit
4	COD	mg/lit	less than equal to 450	less than equal to 30	Not to Exceed 100 mg/lit
5	Oil & Grease	mg/lit	10-20	less than equal to 5	---
6	Total Kjeldal Nitrogen as N	mg/lit	45 - 90	10	----
7	Dissolved Phosphorus as P	mg/lit	45	1	----
8	Nitrate Nitrogen as N	mg/lit	0 - 45	10	----

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel	NA	27.5 Lit/hr	27.5 Lit/hr
41.Source of Fuel		NA		
42.Mode of Transportation of fuel to site		NA		

43.Green Belt Development	**Total RG area :**	2784.53 sq.m
	No of trees to be cut :	NA
	Number of trees to be planted :	337+8(Replanted)=345
	List of proposed native trees :	As per below list
	Timeline for completion of plantation :	1 yr.

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Manikara zapota	Chikoo	20	Tropical fruit tree &bird attracting tree
2	Michelia champaca	Champa	20	Evergreen timber plant, ornamental
3	Mimusopes elengi	Bakul	20	Evergreen tree, timber yielding and medicinal plant
4	Ficus benjamina	Weeping fig	20	Evergreen &bird attracting tree
5	Cassia fistula	Golden shower	20	Drought tolerant, ornamental &medicinal plant
6	Butea monosperma	Flame tree	20	Used in pesticide &dye preparation
7	Cassia grandis	Pink shower	20	Drought tolerant, ornamental &medicinal plant
8	Saraca indica	Sita ashok	20	Evergreen medicinal plant
9	Roystonea regia	Royal palm	14	Nitrogen fixer, ornamental plant
10	Syzygium cumini	Jambhul	20	Fruit tree &bird attracting
11	Neolamarkia cadamba	Kadamba tree	16	Tropical fruit tree &bird attracting tree
12	Mangifera indica	Mango tree	18	Evergreen &bird attracting tree
13	Pongamia pinnata	Karanj	20	Karanj is an important ayurvedic medicine
14	Phyllanthus officinalis	Awala	20	Evergreen medicinal and fruit plant

15	Psidium Guajava	Peru	20	Holy basil is an important medicinal
16	Azadirachta Indica	Neem	25	Traditional medicinal Plant
17	Albizia lebbeck	Shirish	24	Evergreen timber plant, ornamental
45.Total quantity of plants on ground				

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

Serial Number	Name	C/C Distance	Area m2
1	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	82.5 KVA x 1 No.
	During Operation phase (Connected load):	1853.02 KW
	During Operation phase (Demand load):	1128.02 KW
	Transformer:	630 KVA x 2 No.
	DG set as Power back-up during operation phase:	125 KVA x 2 No.
	Fuel used:	27.5 Lit/hr
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

• Solar water heating systems will be done for bathrooms.
• Solar lights will be provided for common amenities like Street lighting & Garden lighting.
• CFL & LED based lighting will be done in the common areas, landscape areas, signage's, entry gates and boundary compound walls etc.
• Auto Timer switches will be provided for Street lights, Garden lights, Parking & staircase Lights & other common area Lights, for saving electrical energy.
• Water level controllers with timers will be used for Water pumps.
• To create awareness to end consumer or flat owner, for using energy efficient light fittings like CFL, T5 Lamps & LED lights.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Use of LED lamps for common area	3942 kWhr/ Annum
2	Stair Case, lift lobby, passage area, parking lighting	81678.24 kWhr/ Annum
3	Use of solar panels for hot water	352057.10 kWhr/ Annum
4	Street Lights	7726.32 kWhr/ Annum

5	Total Annual Savings in KVA	556754.58 KVA (21.82%)

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Waste water generation	NA	STP
Solid Wet waste	NA	OWC

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 40 Lakh
	O & M cost:	Rs. 3 Lakh/yr.

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Soil Erosion	Dust Suppression measures, barricading & top soil preservation	1.5
2	Site sanitation & Safety	PP will provide mobile toilet, septic tank, PPEs	2.0
3	Disinfection	Pest control	1.5
4	Health check up	Monthly health camp	2.0
5	Environmental Monitoring	Air, soil, water & Noise monitoring & Analysis	2.0

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP	construction, installation & piping up to disposal point	51.00	16.0
2	RWH	Recharge pits with bore	22.50	1.0
3	Solid waste Management	Installation of mechanical composting machine	17.0	4.0
4	Storm water networking	Piping up to disposal point	16.0	1.0
5	Landscape	Plantation & maintenance	23.0	1.4
6	Swimming pool	Filtration plant	16.0	0.18
7	Energy saving	Energy saving measures	40.0	3.0
8	Environmental Monitoring	Monitoring of Air, water,Soil & Noise	---	1.6

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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
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:**	0
	Number and area of podia:	1 No. of Podium , Area of Podium - 8320.22 sq.m
	Total Parking area:	9138.12 sq.m
	Area per car:	Closed parking - 30 sq.m
	Area per car:	Closed parking - 30 sq.m
	Number of 2-Wheelers as approved by competent authority:	548
	Number of 4-Wheelers as approved by competent authority:	123
	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) B2
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No

	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

Brief information of the project by SEAC

PP had submitted application for prior Environmental clearance for total plot area of 27,700 m2, FSI area of 30,193.85 m2, Non FSI area of 14,846.58 m2 and total BUA of 45,040.43 m2.

The building configuration of the proposal is as below:

1	A - 3 Nos.	G + 4	Height 14.85 m
2	A1 - 6 Nos.	G + 4	Height 14.85 m
3	A2 - 2 Nos.	G + 4	Height 14.85 m
4	A3 - 2 Nos.	P + 4	Height 14.65 m
5	B1 - 6 Nos.	G + 4	Height 14.85 m
6	B2 - 14 Nos.	P + 4	Height 14.65 m
7	B3 - 3 Nos.	G + 4	Height 14.85 m
8	B4 - 1 Nos.	P + 4	Height 14.65 m
9	C1 - 4 Nos.	P + 4	Height 14.65 m
10	D - 1 No	G + 4	Height 14.85 m
11	D1 - 10 Nos.	P + 4	Height 14.65 m
12	D2 - 9 Nos.	P + 4	Height 14.65 m
13	E1 - 1 No.	P + 4	Height 14.65 m
14	F (MHADA) - 1 No.	P + 8	Height 25.80 m

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

DECISION OF SEAC

During discussion following points emerged:

1. PP has proposed CER for Rs. 151.7 Lakh. PP has proposed avenue plantation and solar lights. PP to give details of the same viz. location and numbers. PP has proposed studies related to Environment and awareness program for local farmers. PP to replace this activity for some activity useful for community like provision of electric crematorium, ambulance etc.

2. PP agreed to shift the STP for MHADA building within layout. PP to submit details of the same.

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

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

101 SEAC-3 Day 01

SEAC Meeting number: 101 **Meeting Date** January 9, 2020

Subject: Environment Clearance for Residential Development

Is a Violation Case: No

1.Name of Project	Myra
2.Type of institution	Private
3.Name of Project Proponent	Mr. Salim Talab
4.Name of Consultant	Enviro Analysts & Engineers Pvt. Ltd.
5.Type of project	Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	New
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not Applicable
8.Location of the project	S. No. 18, Kondhawa, Taluka- Haveli, Pune, Maharashtra
9.Taluka	Haveli
10.Village	Kondhawa
Correspondence Name:	56, Lulla Nagar
Room Number:	--
Floor:	--
Building Name:	--
Road/Street Name:	--
Locality:	Pune
City:	Pune
11.Whether in Corporation / Municipal / other area	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Applied
	IOD/IOA/Concession/Plan Approval Number: Applied
	Approved Built-up Area: 30044.11
13.Note on the initiated work (If applicable)	Not Applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	6915 m2
16.Deductions	1349.21 m2
17.Net Plot area	5565.79
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 16592.22
	b) Non FSI area (sq. m.): 13451.89 m2
	c) Total BUA area (sq. m.): 30044.11
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** Applied
	Approved Non FSI area (sq. m.): Applied
	Date of Approval: 20-12-2018
19.Total ground coverage (m2)	1874.73
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	16.59 %
21.Estimated cost of the project	450660000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	4 Buildings A to D	B1+B2+P+16	50.40

23.Number of tenants and shops	256 Nos.
24.Number of expected residents / users	1280 Nos.
25.Tenant density per hectare	371
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	40 m wide external road, fire station abutting to the site – 0.07 Km from the site
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	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**	PMC
	Fresh water (CMD):	115
	Recycled water - Flushing (CMD):	58
	Recycled water - Gardening (CMD):	04
	Swimming pool make up (Cum):	05
	Total Water Requirement (CMD) :	182
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	100
	Excess treated water	82

Wet season:	**Source of water**	PMC
	Fresh water (CMD):	115
	Recycled water - Flushing (CMD):	58
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	05
	Total Water Requirement (CMD) :	178
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	100
	Excess treated water	86
Details of Swimming pool (If any)	1 No. (6 X 14.50 = area 87 m2) Make up water = 5 m3	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Fresh water requirement	NA	115	115	0	11	11	0	104	104
Domestic	NA	58	58	0	6	6	0	52	52
Gardening	NA	4	4	0	4	4	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	20 m
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	5 Nos.
	Size of recharge pits :	2m x2 m x 1.5m
	Budgetary allocation (Capital cost) :	Rs. 7.5 Lakhs
	Budgetary allocation (O & M cost) :	Rs.0.30 Lakhs/annum
	Details of UGT tanks if any :	Domestic UG tank Capacity: 144 m3 with 1.5 days storage. Drinking water UG tank Capacity: 28 m3 Fire UG tank Capacity: 300 m3 Flushing tank: 89 m3 1.5 day storage OHT : 53 m3

35.Storm water drainage	**Natural water drainage pattern:**	From E to W
	Quantity of storm water:	289.57 m3/hr.
	Size of SWD:	300 mm wide trench
Sewage and Waste water	**Sewage generation in KLD:**	156 m3/day
	STP technology:	MBBR
	Capacity of STP (CMD):	1 No. 180 m3
	Location & area of the STP:	Location near OWC 121.20 m2
	Budgetary allocation (Capital cost):	Rs.52.00 Lakhs
	Budgetary allocation (O & M cost):	Rs.11.90 Lakhs

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	35 Kg
	Disposal of the construction waste debris:	Disposal of the construction waste debris: This material shall be used for back filling and leveling of the internals roads
Waste generation in the operation Phase:	**Dry waste:**	256 kg/day
	Wet waste:	384 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	27 Kg /day
	Others if any:	NA
Mode of Disposal of waste:	**Dry waste:**	Will be handed over to authorized agency Swach
	Wet waste:	Will be treated in an Organic Waste Converter
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be used as manure for landscaping and excess, if any, will be hand over to authorized vendor for disposal.
	Others if any:	NA
Area requirement:	**Location(s):**	Near 2W parking area
	Area for the storage of waste & other material:	54 m2
	Area for machinery:	Included in above
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 14.75 Lakhs
	O & M cost:	Rs.3.08 Lakhs/ 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	200 KVA Dg set	Diesel	1 No.	52.42	153 mm	300

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	654.80 m2
	No of trees to be cut :	11 Nos.
	Number of trees to be planted :	110 Nos.
	List of proposed native trees :	As mentioned in the list below
	Timeline for completion of plantation :	Till the completion of the project.

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Cassia fistula	Amaltaj/Golden Shower Tree	15	Ornamental flowering tree. Tree has strong & very durable wood. It has medicinal properties.
2	Plumeriarubra	Red Chafa	13	Ornamental flowering tree. It has medicinal properties.

3	Magnolia champaca	Sonchafa/Champak	10	Ornamental tree. Tree with fragrant flowers. Timber used in woodworking. It has cultural and medicinal significance. It attracts birds, butterflies and humming birds.
4	Saracaasoca	Seeta Ashok	15	Beautiful foliage& fragrant flowers. Evergreen and ornamental tree. It's a sacred tree
5	Lagerstroemia speciosa	Tamhan	15	Ornamental flowering tree, medicinal properties.
6	Mangiferaindica	Mango/Amba	10	Fruit bearing tree. Medicinal plant.
7	Azadiractaindica	Neem	12	Medicinal properties, fast growing tree, draught resistant, shade-giving tree, requires less water
8	Albizzialebbek	Sirish	10	Shade tree, used to produce timber, it's a food resource for fauna.
9	Mesuaferrea	Nagchampa/ Nagkesar	10	Fragrant white flowers with beautiful pink to red flush of drooping young leaves. Ornamental tree with graceful shape. Used in incense, soap, perfume oil, essential oils, candles, and personal toiletries.
10	Trees to be retained:	--	--	--
11	Ficus racemosa	Umber	2	Ornamental evergreen tree. The tree attracts birds. Very large & stately tree used in parks.
12	Azadiracta indica	Neem	8	Medicinal properties, fast growing tree, draught resistant, shade-giving tree, requires less water
13	Arecaceae	Silver Palm	13	Medicinal properties, fast growing tree, draught resistant, shade-giving tree, requires less water
14	Saracaasoca	Ashoka	26	Beautiful foliage& fragrant flowers. Evergreen and ornamental tree. It's a sacred tree
15	Leucaena leucocephala	Subabhul	28	small fast-growing native tree
16	Plants to be cut	--	--	--
17	Ficus racemosa	Umber	2	Ornamental evergreen tree. The tree attracts birds. Very large & stately tree used in parks.
18	Azadiracta indica	Neem	1	Medicinal properties, fast growing tree, draught resistant, shade-giving tree, requires less water
19	Saracaasoca	Ashoka	7	Beautiful foliage& fragrant flowers. Evergreen and ornamental tree. It's a sacred tree
20	Leucaena leucocephala	Subabhul	1	small fast-growing native tree
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	45 KVA
	DG set as Power back-up during construction phase	65 KVA
	During Operation phase (Connected load):	1278.60 kW
	During Operation phase (Demand load):	890.09 KVA
	Transformer:	1 Nos. 630 KVA & 1 No. 315 KVA
	DG set as Power back-up during operation phase:	1 D.G set- 200 KVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

• Solar powered lighting in external common area
• Use of Energy efficient electrical fixtures.
• Use of Solar Panels for Hot Water
• Automatic time based controls are proposed in Drive –ways of Parking to save power by switching ON & OFF the lights at appropriate time.
• V3F drive motors should be used for lifts, which saves 30% energy consumption.
• 1% Solar PV.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total Power consumption	1452333.7 kWhr/Annum
2	Saving by using other energy saving practices	1132254.2 kWhr/Annum
3	Net Power Consumption	320079.5 kWhr/Annum
4	Average consumption per sq. mt per year (without saving)	87.5 kWhr/Sqmtr/Annum
5	Average consumption per sq. mt per year (with saving)	68.24 kWhr/Sqmtr/Annum
6	Total Saving	22.02 %

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Waste Water	NA	1 No. STP will proposed

Solid waste	NA	1 No. OWC will proposed

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.10.50 Lakhs
	O & M cost:	Rs.0.525 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, Air & Noise monitoring	1.2
2	Water Environment	Tanker water for construction ,Water monitoring	1.5
3	Land Environment	Site Sanitation, Gardening	6.4
4	Socio- Economic Environment	Disinfection- Pest Control ,First Aid Facilities,Health Check Up, PPE	3.2

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Water	STP	52.00	11.90
2	Water	RWH	7.5	0.30
3	Solid waste	OWC	14.75	3.08
4	Energy	Solar Water Heating and Solar PV Panels	10.50	0.52
5	Land	Landscaping	10.48	1.00
6	Environmental Monitoring	Ambient Air quality, Noise Level, Exhaust from DG Set, Drinking Water, Sewage from STP, As per EP act, Manure	--	19.72

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	2 Nos.
Parking details:	**Number and area of basement:**	2 basements, 6856.65 m2
	Number and area of podia:	NA
	Total Parking area:	8132.61 m2
	Area per car:	avg-30-35 m2
	Area per car:	avg-30-35 m2
	Number of 2-Wheelers as approved by competent authority:	538
	Number of 4-Wheelers as approved by competent authority:	269
	Public Transport:	near by Bus stop
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8(a)
	Court cases pending if any	No
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

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

Brief information of the project by SEAC

PP had submitted application for prior Environmental clearance for total plot area of 6915 m2, FSI area of 16592.22 m2, Non FSI area of 13451.89 m2 and total BUA of 30044.11m2.

The building configuration of the proposal is as below:

4 Buildings A to D B1+B2+P+16 Height 50.40 m

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

DECISION OF SEAC

PP has satisfactorily complied with the points raised in 94th meeting of SEAC-3.

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

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

101 SEAC-3 Day 01

SEAC Meeting number: 101 **Meeting Date** January 9, 2020

Subject: Environment Clearance for Environmental clearance for proposed residential project at, S.No. 17, Hissa No. 10+11, Kondhwa Khurd, Pune by M/s Majestique Gigahomes LLP.

Is a Violation Case: No

1.Name of Project	Environmental clearance for proposed residential project at, S.No. 17, Hissa No. 10+11, Kondhwa Khurd, Pune by M/s Majestique Gigahomes LLP.
2.Type of institution	Private
3.Name of Project Proponent	Amit Lalwani
4.Name of Consultant	Vke:Environmetal LLP
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. 17, Hissa No. 10+11, Kondhwa Khurd
9.Taluka	Haweli
10.Village	Kondhwa
Correspondence Name:	Mr Anil Bawaskar
Room Number:	Office No. 3, 4 & 5 Sujay Garden, Mukund Nagar, Pune, Maharashtra, INDIA - 411037
Floor:	-
Building Name:	'Swayambhu',
Road/Street Name:	-
Locality:	5 Sujay Garden, Mukund Nagar
City:	Pune
11.Whether in Corporation / Municipal / other area	PMC
12.IOD/IOA/Concession/Plan Approval Number	Under Process
	IOD/IOA/Concession/Plan Approval Number: Under Process
	Approved Built-up Area: 00
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Under Process
15.Total Plot Area (sq. m.)	15200
16.Deductions	834.58
17.Net Plot area	14365.42
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 36966.73
	b) Non FSI area (sq. m.): 32887.81
	c) Total BUA area (sq. m.): 69854.54
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 00
	Approved Non FSI area (sq. m.): 00
	Date of Approval: 03-06-2019
19.Total ground coverage (m2)	3793.57
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	23.34
21.Estimated cost of the project	1520000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building A1	G/P+11	35.70
2	Building A2	B1+B2+P+11	34.35
3	Building A3	B1+B2+P+11	34.35
4	Building A4	B1+B2+P+11	34.35
5	Building A5	B1+B2+P+11	34.35
6	Building A6	B1+B2+P+11	34.35
7	Building A7	B1+B2+P+11	34.35
8	Building A8	B1+B2+P+11	34.35
9	Building B1	G(MECH.)+11 FLOOR	34.35
10	Building B2	B1 + B2 +B3 + LG + UG + 5 FLOOR	28.65

23.Number of tenants and shops	Residential:395 Shops: 16
24.Number of expected residents / users	Residential Tenents :1975 Commercial users: 488
25.Tenant density per hectare	259 tenets/ 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)	24m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	min 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):	195
	Recycled water - Flushing (CMD):	97
	Recycled water - Gardening (CMD):	14
	Swimming pool make up (Cum):	3
	Total Water Requirement (CMD) :	303
	Fire fighting - Underground water tank(CMD):	625
	Fire fighting - Overhead water tank(CMD):	250
	Excess treated water	152
Wet season:	**Source of water**	PMC
	Fresh water (CMD):	195
	Recycled water - Flushing (CMD):	97
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	3
	Total Water Requirement (CMD) :	295
	Fire fighting - Underground water tank(CMD):	625
	Fire fighting - Overhead water tank(CMD):	250
	Excess treated water	166
Details of Swimming pool (If any)	Dimension of Swimming Pool: Main Pool Size: 6m x 16.67 m x 1.2 m depth Baby Pool Size: 6 m x 6 m x 0.7 m depth parameters tobe monitored: Parameters 1. pH 7.2 7.6 2. Chlorine level 1 to 1.5 mg/l	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Pre mansoon 21- 27 bgl post mansoon 12-18 bgl
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	8 no
	Size of recharge pits :	2.5m X 2.5m X 1.75 m
	Budgetary allocation (Capital cost) :	600000
	Budgetary allocation (O & M cost) :	60000
	Details of UGT tanks if any :	UGWT- 625 kld
35.Storm water drainage	**Natural water drainage pattern:**	Natural water drainage pattern: The storm water drainage will be designed according to contours. The storm water collected through the storm water drains of adequate capacity will be led to recharge pit
	Quantity of storm water:	6384 M3/year
	Size of SWD:	600mm
Sewage and Waste water	**Sewage generation in KLD:**	240+ 23 kld
	STP technology:	MBBR
	Capacity of STP (CMD):	250 and 25 kld
	Location & area of the STP:	On Ground
	Budgetary allocation (Capital cost):	250 kld STP- 66,30,000, 25 kld STP- 16,50,000
	Budgetary allocation (O & M cost):	250 Kld STP-10,46,000/- 25 kld- 5,10,000/-
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Dry waste (Kg/day): 8 kg/day Wet waste (Kg/day): 12 kg/day =Total waste generated: 20 kg/day
	Disposal of the construction waste debris:	The Construction waste generated during construction shall be segregated, reused on site and surplus shall be led to scrap dealers for recycling
Waste generation in the operation Phase:	**Dry waste:**	468.2 kg/day
	Wet waste:	641.3 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	35 kg /day
	Others if any:	E- waste- 1428 kg/yr

Mode of Disposal of waste:	**Dry waste:**	Will be handed over to SWaCH
	Wet waste:	Will be treated on OWC
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Dried sludge will use as manure
	Others if any:	E waste will be handed over to authorized vendor
Area requirement:	**Location(s):**	On ground
	Area for the storage of waste & other material:	Total Area- 67.5 sq.m
	Area for machinery:	Total Area- 67.5 sq.m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	20,75,000
	O & M cost:	4,28,328

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 :**	Mandetory open space:1490.38 sq.m
	No of trees to be cut :	9 no of trees are existing on site which will be retained
	Number of trees to be planted :	186
	List of proposed native trees :	Refer below list
	Timeline for completion of plantation :	Till the end of construction phase

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Manikara zapota	Chikoo	11	Tropical fruit tree & bird attracting tree
2	Michelia champaca	Champa	11	Evergreen timber plant, ornamental
3	Mimusopes elengi	Bakul	11	Evergreen tree, timber yielding and medicinal plant
4	Ficus benjamina	Weeping fig	11	Evergreen & bird attracting tree
5	Cassia fistula	Golden shower	11	Drought tolerant, ornamental & medicinal plant
6	Butea monosperma	Flame tree	11	Used in pesticide & dye preparation
7	Cassia grandis	Pink shower	11	Drought tolerant, ornamental & medicinal plant
8	Saraca indica	Sita ashok	11	Evergreen medicinal plant
9	Roystonea regia	Royal palm	10	Nitrogen fixer, ornamental plant
10	Syzygium cumini	Jambhul	11	Fruit tree & bird attracting
11	Neolamarkia cadamba	Kadamba tree	11	Tropical fruit tree & bird attracting tree
12	Mangifera indica	Mango tree	11	Evergreen & bird attracting tree
13	Pongamia pinnata	Karanj	11	Karanj is an important ayurvedic medicine
14	Phyllanthus officinalis	Awala	11	Evergreen medicinal and fruit plant
15	Psidium Guajava	Peru	11	Holy basil is an important medicinal
16	Azadirachta Indica	Neem	11	Traditional medicinal Plant
17	Albizia lebbeck	Shirish	11	Evergreen timber plant, ornamental
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	1219.87 kw
	DG set as Power back-up during construction phase	1 No- 250KVA, 1no- 75 KVA
	During Operation phase (Connected load):	2792.74 kw
	During Operation phase (Demand load):	1386.57 kw
	Transformer:	3- 630 KVA
	DG set as Power back-up during operation phase:	1 No- 180KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NO

48.Energy saving by non-conventional method:

Total Energy Saving : i.e. (7.68 % Savings) /year
Energy saving due to solar :i.e. (7.11% Savings)

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Saving in Comman Area Lighting	182.55 kwh/day
2	Saving in Uplighter Lighting	4.15 kwh/day
3	Saving in Street Lighting	15.84 kwh/day
4	Energy Saving for Gyser in	2035.72 kwh/day
5	Energy Saving for Solar POV Cells in kWH (kW x No. of Buildings x 310 Days x 8 Hours) -	197 kwh/day

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:**	59,34,840
	O & M cost:	593484

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Erosion control – dust suppression measures, barricading and top soil preservation	1444931.25

2	Land	Labour Camp toilets & sanitation	480000
3	Health and Safety	Labour Safety Equipments and training	51000
4	facility	Disinfection and Health Check-ups	400000
5	Environment Management	Environmental Monitoring cell	1,70,000
6	Environment	Environmental Monitoring	1,82,500

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	2 STP	8280000	1556000
2	Solid Waste Management	1 OWC	20,75,000	4,28,328
3	Landscaping	Development & maintenance of green area	14,25,926	100000
4	Rain Water Harvesting	Recharge pits	6,00,000	60,000
5	Renewable Energy	Solar Hot water and solar pv	59,34,840	593484
6	Environmental Monitoring	-	-	1,85,600
7	Lightning Arrester	-	2.24000	-
8	Swimming Pool	-	12,25,000	2,40,000

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	The site is located in Wagholi Area. The development will be accessible from 18m wide road while the internal driveways are 6 m

Parking details:	Number and area of basement:	2 No
	Number and area of podia:	0
	Total Parking area:	18202.29 sq.m
	Area per car:	12.5 sq.m
	Area per car:	12.5 sq.m
	Number of 2-Wheelers as approved by competent authority:	999
	Number of 4-Wheelers as approved by competent authority:	620
	Public Transport:	NA
	Width of all Internal roads (m):	6.0m wide internal road is provided and 9.0 m. Turning radius will be provided.
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8a building and construction project
	Court cases pending if any	NO
	Other Relevant Informations	The project area is in a residential zone. Proposed project consists of residential building having 395 flats and 16 shops
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

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

Brief information of the project by SEAC

PP had submitted application for prior Environmental clearance for total plot area of 15200 m2, FSI area of 36966.73 m2, Non FSI area of 32887.81m2 and total BUA of 69854.54 m2.

The building configuration of the proposal is as below:

1	Building A1	G/P+11	Height 35.70 m
2	Building A2	B1+B2+P+11	Height 34.35m
3	Building A3	B1+B2+P+11	Height 34.35m
4	Building A4	B1+B2+P+11	Height 34.35m
5	Building A5	B1+B2+P+11	Height 34.35m
6	Building A6	B1+B2+P+11	Height 34.35m
7	Building A7	B1+B2+P+11	Height 34.35m
8	Building A8	B1+B2+P+11	Height 34.35m
9	Building B1	B(MECH.)+P+10 FLOOR	Height 34.35m
10	Building B2	B(MECH.)+L.G+U.G+M+4FLR.+T/KAT	Height 28.65 m

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

DECISION OF SEAC

PP has satisfactorily complied with the points raised in 94th meeting of SEAC-3.

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

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

101 SEAC-3 Day 01

SEAC Meeting number: 101 **Meeting Date** January 9, 2020

Subject: Environment Clearance for Environment Clearance for Proposed Commercial project at S. No. 9/3 ,9/4 , 9/5(P), 9/6(P), 9/7(P) Baner, Tal-Haveli, Dist-Pune by M/s AC Realty Market LLP & Baner Land Developers LLP and Ashok Dhanraj Chordia.

Is a Violation Case: No

1.Name of Project	Environment Clearance for Proposed Proposed Commercial project at S. No. 9/3 ,9/4 , 9/5(P), 9/6(P), 9/7(P) Baner, Tal-Haveli, Dist-Pune by M/s AC Realty Market LLP & Baner Land Developers LLP and Ashok Dhanraj Chordia.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Ashok Dhanraj Chordia & Mr. Atul Ashok Chordia
4.Name of Consultant	VK:e Environmental LLP , Pune
5.Type of project	Commercial Project
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	S. No. 9/3 ,9/4 , 9/5(P), 9/6(P), 9/7(P)
9.Taluka	Haveli
10.Village	Baner
Correspondence Name:	Mr. Vilas Tambe
Room Number:	-
Floor:	-
Building Name:	Solitaire World, Level - 8, S.No.36/1/1, Opp Regency Classic, Pune - 411045
Road/Street Name:	Mumbai - Bangalore Highway
Locality:	Baner
City:	Pune
11.Whether in Corporation / Municipal / other area	PMC
12.IOD/IOA/Concession/Plan Approval Number	Under process
	IOD/IOA/Concession/Plan Approval Number: Under process
	Approved Built-up Area: 00
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	12021.42 m2
16.Deductions	2836.05 m2
17.Net Plot area	9185.37 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 35424.70
	b) Non FSI area (sq. m.): 44471.21
	c) Total BUA area (sq. m.): 79895.91
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 00
	Approved Non FSI area (sq. m.): 00
	Date of Approval: 15-05-2019
19.Total ground coverage (m2)	2168.73
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	23.61
21.Estimated cost of the project	1600000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building	2B+G+5P+21	92.25

23.Number of tenants and shops	Commercial- 910 no of offices
24.Number of expected residents / users	Commercial- 5904 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)	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	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):	148
	Recycled water - Flushing (CMD):	118
	Recycled water - Gardening (CMD):	08
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	274
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	20
	Excess treated water	89
Wet season:	**Source of water**	PMC
	Fresh water (CMD):	148
	Recycled water - Flushing (CMD):	118
	Recycled water - Gardening (CMD):	08
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	266
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	20
	Excess treated water	97
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:**	Post monsoon 4.0 meter Pre monsoon 8.00 meter
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	3 No. of recharge pits
	Size of recharge pits :	Pit 2*2*2meter Bore well 0.180 meter diameter and 60 meter depth silting chamber 1*1*1
	Budgetary allocation (Capital cost) :	2,00,000/-
	Budgetary allocation (O & M cost) :	Rs. 15,000/- per year
	Details of UGT tanks if any :	Domestic UG tank Capacity: 222CMD Flushing UG tank Capacity: 178 CMD Fire UG tank Capacity 200 CMD
35.Storm water drainage	**Natural water drainage pattern:**	The storm water drainage will be designed according to contours
	Quantity of storm water:	6.52 m3/min
	Size of SWD:	450mm
Sewage and Waste water	**Sewage generation in KLD:**	239
	STP technology:	MBBR
	Capacity of STP (CMD):	1no. of STP – 240 kld
	Location & area of the STP:	On ground, Total Area is 120 Sq.mt.
	Budgetary allocation (Capital cost):	7193000
	Budgetary allocation (O & M cost):	1056000
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	20 kg/day (Wet waste 12 kg/day +Dry waste- 8 kg/day)
	Disposal of the construction waste debris:	The maximum construction waste will be used within the site for leveling purpose and base course preparation of internal approach roads.
Waste generation in the operation Phase:	**Dry waste:**	886 kg/day
	Wet waste:	590 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	19.80 kg/day
	Others if any:	E-waste- 16.17 kg/day

Mode of Disposal of waste:	**Dry waste:**	Handed over to authorized vendor for further handling & disposal purpose
	Wet waste:	Wet waste will be treated in onsite organic waste converter machine.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be used as manure
	Others if any:	Handed over to authorized recyclers for further handling & disposal purpose
Area requirement:	**Location(s):**	On ground
	Area for the storage of waste & other material:	Included in Total area
	Area for machinery:	Total area-48 sqm.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	1475000
	O & M cost:	358080

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 :**	RG area -919.81 sq. mt.
	No of trees to be cut :	Few trees present on site out of which some will be cut and protected
	Number of trees to be planted :	465
	List of proposed native trees :	Refer Below list
	Timeline for completion of plantation :	Till operation phase

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Syzygium cumini	Jambhul tree	35	A large size tree with dense foliage provides shade along roads, wood is water resistant and attracts a variety of birds.
2	Millingtonia hortensis	Indian cork tree	37	A columnar, evergreen tree, grows well both dry and moist regions.
3	Lagerstromia flos-regineae	Tamhan	28	State flower tree of Maharashtra Medium sized tree, beautiful purple flowers, grows well in both dry and humid climate.
4	Pongamia pinnata	Karanj	21	Large tree good for stopping soil erosion along canal banks
5	Azadirachta indica	Neem	34	A medium to large size hardy tree which stand in drought conditions. Air Purifying quality. Attain a much larger size in dry regions.
6	Cassia fistula	Bahava	36	Small deciduous tree. Excellent bright flowering tree for arid regions.
7	Ficus benjamina	Weeping fig	28	Medium sized evergreen tree with elegant appearance and moderate water requirement.
8	Plumeria alba	Champa	20	Ornamental flowering tree.
9	Michelia champaca	Sonchapha	28	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant.
10	Polyathia longifolia	Ashoka	46	Large evergreen tree. Effective in decreasing noise pollution
11	Mangifera indica	Mango	47	Large evergreen and fruit bearing tree
12	Albizia lebeck	Shirish	27	Shady, large tree, ball shaped flowers
13	Psidium guajava	Guava, peru	37	Small hardy and birds attracting tree.
14	Annona squasoma	Sitaphal	41	Medium size fruite bearing tree
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	22.2 KW
	DG set as Power back-up during construction phase	1 X 30 KVA
	During Operation phase (Connected load):	5540.00 KW
	During Operation phase (Demand load):	4084.00 kvA
	Transformer:	6 nos. X 630 KVA, 1 nos X 315 KVA
	DG set as Power back-up during operation phase:	1 X 500 kvA
	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 are & external landscape and facade lighting.
2. Light Emitting Diode (LED) will be used for corridors, Lobbies and common areas.
3. All fluorescent light fixtures are specified to incorporate electronic chokes which have less watt-loss compared to electro-magnetic chokes and result in superior operating power factor. This indirectly saves energy. Electronic chokes also improve life of the fluorescent lamps.
4. Energy efficient cfl/t5/led lamps which give approx. 30% more light output for the same watts consumed and therefore require less nos. Of fixtures and corresponding lower point wiring costs. LPD of 7.5 W/sq.mtr. in Residential areas & 10.8 W/sq.mtr. in Office areas is proposed.
5. All cables will be derated to avoid heating during use. This also indirectly reduces losses and improves reliability. To achieve the same, we have considered current carrying capacity of all the cables laid through ground/air whichever is minimum.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total Energy saving by using energy saving measures-	3.00 %

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:**	4800000
	O & M cost:	240000

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Erosion control – dust suppression measures, barricading and top soil preservation	8.77
2	Land	Labour Camp toilets & sanitation	4.8
3	Health and Safety	Personal Protective Equipment	4.0
4	Health and Safety	Health checkup & Disinfection	0.51
5	Environment Management	Environment management cell	1.75
6	Environmental Monitoring	Environmental Monitoring	3.26

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	STP -MBBR Technology	71.93	10.56
2	Solid Waste Management	OWC	14.75	3.58
3	Landscaping	Development and Maintenance	3.48	0.27
4	Rain Water Harvesting	Recharge Pits	2.00	0.15
5	Renewable energy	Renewable energy	48.00	2.40
6	Lightening arrestor	Lightening arrestor	1.4	-
7	Environmental Monitoring	Environmental Monitoring	-	1.82

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

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

52.Any Other Information

No Information Available

53.Traffic Management

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

Parking details:	**Number and area of basement:**	2 Basements
	Number and area of podia:	1 no.
	Total Parking area:	29179.23 sqm.
	Area per car:	12.5 sqm
	Area per car:	12.5 sqm
	Number of 2-Wheelers as approved by competent authority:	3188
	Number of 4-Wheelers as approved by competent authority:	1063
	Public Transport:	NA
	Width of all Internal roads (m):	6 m. wide internal road and 9 m. turning radius will be provided.
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8a
	Court cases pending if any	NA
	Other Relevant Informations	Proposed project is commercial project located at Baner
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

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

Brief information of the project by SEAC

PP had submitted application for prior Environmental clearance for total plot area of 12021.42 m2, FSI area of 50520.38 m2, Non FSI area of 33,908.70 m2 and total BUA of 56591.75m2.

The building configuration of the proposal is as below:

1 Building 2B+G+4P+14 Height 66.90 m

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

DECISION OF SEAC

During discussion following points emerged:

1. PP has proposed two basements. PP to submit basement approval plan and basement ventilation plan.

2. PP to submit details of parking with dimension of each parking slot in basement.

3. PP to submit details of fire tender movement at all levels.

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

5. PP to submit evacuation plan for entire project for occupants, visitors and as well as cars.

6. UGT is proposed in basement and the structural columns of the building are located within the alignment of the UGT. PP to submit details of the treatment measures proposed for protecting the columns.

7. PP has stated that excess 15000 m3 excavated debris will be shifted to other plot outside. PP to submit details of the plot with contour details and it capacity to absorb the debris.

8. PP to explore possibility to use excess rain water by proposing adequate storage tank.

9. PP to submit cross section at 4-5 places including UGT, OWC and DG set location showing clear road width, distance left from building line and spaces left for plantation, parking, service lines, foot paths, etc.

10. PP to submit details of UGT.

11. PP to obtain and submit following NOC's: (a) CFO NOC, (b) Water supply with quantity, (c) Drainage NOC. (d) solid waste / e-waste management. (e) Garden NOC. (f) Tree Cutting

12. PP to submit survival report of existing trees. PP to submit plantation plan incorporating local native fruit bearing trees.

13. PP to undertake for complying with the norms for final treated effluent from STP as per prevailing norms.

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

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

101 SEAC-3 Day 01

SEAC Meeting number: 101 **Meeting Date** January 9, 2020

Subject: Environment Clearance for Environment Clearance for Proposed Mixed use Development at S. No. 577/2, 577/3 at Bibewadi, Haveli Taluka, Pune by Jairaj Realty LLP/ Jairaj Realty unit 9, Pune

Is a Violation Case: No

1.Name of Project	Environment Clearance for Proposed Mixed use Development at S. No. 577/2, 577/3 at Bibewadi, Haveli Taluka, Pune by Jairaj Realty LLP/ Jairaj Realty unit 9, Pune
2.Type of institution	Private
3.Name of Project Proponent	Mr. Jayant Shah by Jairaj Realty LLP/ Jairaj Realty unit 9, Pune
4.Name of Consultant	VK:e Environmental LLP , Pune
5.Type of project	Mixed use project
6.New project/expansion in existing project/modernization/diversification in existing project	New
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not Applicable
8.Location of the project	S. No. 577/2, 577/3
9.Taluka	Haveli
10.Village	Bibewadi
Correspondence Name:	Mr. Jayant Shah by Jairaj Realty LLP/ Jairaj Realty unit 9, Pune
Room Number:	759/34
Floor:	NA
Building Name:	NA
Road/Street Name:	Bhandarkar road
Locality:	Near PYC Deccan Gymkhana, Pune
City:	Pune
11.Whether in Corporation / Municipal / other area	PMC
12.IOD/IOA/Concession/Plan Approval Number	In process
	IOD/IOA/Concession/Plan Approval Number: 000
	Approved Built-up Area: 000
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	85,600 m2
16.Deductions	Deduction for road widening: 9320 sqm, Deduction for amenity: 11,442 sqm
17.Net Plot area	64,838.00 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 198080.09sq m
	b) Non FSI area (sq. m.): 217966.73 sq m
	c) Total BUA area (sq. m.): 416046.82
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 00
	Approved Non FSI area (sq. m.): 00
	Date of Approval: 16-07-2019
19.Total ground coverage (m2)	27585 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	42
21.Estimated cost of the project	11265647144

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Tower 1 (Residential)	P+28 floors	87.0
2	Tower 2 (Residential)	P+28 floors	87.0
3	Retail Bazaar Building	2B+LG+UG&Bazaar+5 Retail Floor	26.90
4	Office block	2B + LG+UG+5 Retails Floor + 20 Floors	83.4
5	Hotel block	2B+2P+5 Restaurant floors+5 Hotel Floors	40.10
6	Parking Building 1	B+LG+UG+5 Retail Floors+6 Parking Floors	43.70
7	Parking Building 2	B+LG+UG+5 Retail Floors+6 Parking Floors	40.70
8	-	-	-
9	-	-	-
10	-	-	-
11	-	-	-

23.Number of tenants and shops	Residential: 326, Offices: 20, retail shops, Hotel: 110 rooms, Restaurant
24.Number of expected residents / users	Residential 1630 users , Commercial: Retail 15,840, hotel block & Restaurant users 1332, office 2255 users,
25.Tenant density per hectare	Tenant Density 2459.9 /hec. Tenement Density 190.42 / hec.
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: Gangadham fire station Distance : 0.25 Km
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	For easy access of fire tender 9m turning radius will be provided.
29.Existing structure (s) if any	Temporary structures exist on site.
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	PMC
	Fresh water (CMD):	369
	Recycled water - Flushing (CMD):	322
	Recycled water - Gardening (CMD):	75
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	793
	Fire fighting - Underground water tank(CMD):	474
	Fire fighting - Overhead water tank(CMD):	70
	Excess treated water	187
Wet season:	**Source of water**	PMC
	Fresh water (CMD):	396
	Recycled water - Flushing (CMD):	322
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	00
	Total Water Requirement (CMD) :	718
	Fire fighting - Underground water tank(CMD):	474
	Fire fighting - Overhead water tank(CMD):	70
	Excess treated water	262
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Post monsoon 6.40 meter Pre monsoon 16.40 meter
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	13 Nos. of recharge pits proposed
	Size of recharge pits :	Pit 2*2*2 meter Bore well 0.180 meter diameter and 60 meter depth silting chamber 1*1*1
	Budgetary allocation (Capital cost) :	9,75,000 /-
	Budgetary allocation (O & M cost) :	65,000 /-
	Details of UGT tanks if any :	Total UGT capacity including residential and commercial 475000 liter
35.Storm water drainage	**Natural water drainage pattern:**	Natural water drainage pattern: The storm water drainage will be designed according to contours. The storm water collected through the storm water drains of adequate capacity will be led to recharge pits.
	Quantity of storm water:	57.5656 cu m per minute
	Size of SWD:	600 mm
Sewage and Waste water	**Sewage generation in KLD:**	Total sewage generation 649
	STP technology:	MBBR
	Capacity of STP (CMD):	Total 3 STP's are proposed having total capacity of 650 kld
	Location & area of the STP:	On ground
	Budgetary allocation (Capital cost):	1,96,84,000 /-
	Budgetary allocation (O & M cost):	41,19,000/-
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Dry waste (Kg/day): 40 kg/day -Wet waste (Kg/day): 60 kg/day –Total waste generated: 100 Kg/day
	Disposal of the construction waste debris:	The Construction waste generated during construction shall be segregated, reused on site and surplus shall be led to scrap dealers for recycling.
Waste generation in the operation Phase:	**Dry waste:**	3407 kg/day
	Wet waste:	2821
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	96.7 kg /day
	Others if any:	E-waste : 55kg/day

Mode of Disposal of waste:	**Dry waste:**	Dry waste will be segregated into recyclable and non-recyclable waste. Non degradable waste will be handed over to “SwaCH” (Co-operative enterprise for waste collection. Dried sludge from STP will be used as manure
	Wet waste:	Biodegradable waste will be treated in Organic Waste Converter. Separate OWCs are proposed for different sectors and amenities.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Dried sludge from STP will be used as manure.
	Others if any:	E-waste will be sent to authorized vendors.
Area requirement:	**Location(s):**	On ground
	Area for the storage of waste & other material:	220 sq.m
	Area for machinery:	220 sqm
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs 66,75,000/-
	O & M cost:	Rs 15,27,777/-

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	NA
42.Mode of Transportation of fuel to site	NA

43.Green Belt Development	**Total RG area :**	7628 m2
	No of trees to be cut :	Few of the existing trees will be transplanted, other trees will be protected
	Number of trees to be planted :	995
	List of proposed native trees :	Refer Below list:
	Timeline for completion of plantation :	Till operation phase

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Syzygium cumini	Jambhul tree	50	A large size tree with dense foliage provides shade along roads, wood is water resistant and attracts a variety of birds.
2	Millingtonia hortensis	Indian cork tree	50	A columnar, evergreen tree, grows well both dry and moist regions
3	Lagerstromia flos-regineae	Tamhan	35	State flower tree of Maharashtra Medium sized tree, beautiful purple flowers, grows well in both dry and humid climate.
4	Pongamia pinnata	Karanj	50	Large tree good for stopping soil erosion along canal banks
5	Azadirachta indica	Neem	71	A medium to large size hardy tree which stand in drought conditions. Air Purifying quality. Attain a much larger size in dry regions
6	Cassia fistula	Bahava	40	Small deciduous tree. Excellent bright flowering tree for arid regions
7	Ficus benjamina	Weeping fig	38	Medium sized evergreen tree with elegant appearance and moderate water requirement.
8	Plumeria alba	Champa	55	Ornamental flowering tree
9	Michelia champaca	Sonchapha	45	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
10	Polyathia longifolia	Ashoka	40	Large evergreen tree. Effective in decreasing noise pollution
11	Mangifera indica	mango	60	Large evergreen and fruit bearing tree
12	Albizia lebeck	Shirish	48	Shady, large tree, ball shaped flowers
13	Psidium guajava	Guava, peru	63	Small hardy and birds attracting tree.
14	Jacaranda mimosifolia	Jacaranda	56	Medium size gracious deciduous, flowering tree which prefers moderate climate

15	Khaya senghalis	Khaya	45	Large roadside tree with white sweet scented flowers
16	Spathodia campanulata	Pichkari	50	A handsome large deciduous flowering tree. Good for roadside plantation
17	Bauhinia purpurea	Rakta Kanchan	45	Small hardy tree with beautiful pink flowers
18	Manilkara zapota	Chikoo	61	Small evergreen tree, fruit bearing common in gardens
19	Cocos nucifera	Coconut	45	Large palm, native to western ghats
20	Butea monosperma	Palas	48	Small deciduous, good for road side plantation
45.Total quantity of plants on ground				

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

Serial Number	Name	C/C Distance	Area m2
1	-	-	-
2	-	-	-
3	-	-	-
4	-	-	-
5	-	-	-
6	-	-	-
7	-	-	-
8	-	-	-
9	-	-	-
10	-	-	-

47.Energy

Power requirement:	**Source of power supply :**	Maharashtra State Electricity Distribution Company Limited (M.S.E.D.C.L.)
	During Construction Phase: (Demand Load)	235.67 KW
	DG set as Power back-up during construction phase	320 kvA
	During Operation phase (Connected load):	55563.71 KW
	During Operation phase (Demand load):	26741.70 kvA
	Transformer:	Residential: 630 Kva-2 nos. Office & Retail Block: 1000 Kva-7 nos. Hotel & Restaurant Block 1000 Kva-6 nos.
	DG set as Power back-up during operation phase:	Residential: 625 Kva-1no. Office & Retail Block: 1010 Kva-10 nos. Hotel Block Restaurant Block 1010 Kva-08 nos.
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Total Energy Saving : 31 %

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total Energy Saving	31%

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	1,0067,500/-
	O & M cost:	2,01,350/-

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Erosion control – dust suppression measures, barricading and top soil preservation	57.48
2	Land	Labour Camp toilets & sanitation	10.0
3	Health and Safety	Health checkup & Disinfection	2.25
4	Environment Management	Environment management cell	3.0

5	Environmental Monitoring	Environmental Monitoring	10.56

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	196.84	41.19
2	Solid Waste Management	OWC	66.75	15.27
3	Landscaping	Development and Maintenance	34.10	3.41
4	Rain Water Harvesting	Rain Water Harvesting	13.0	1.3
5	Energy Saving	Solar PV panels	100.6	2.01
6	Environmental Monitoring	Environmental Monitoring	-	11.50

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Proposed site is located at Bibewadi. For internal traffic movement 6m wide driveway and 9 m turning radius is proposed.

Parking details:	**Number and area of basement:**	2 Nos., 46104 sq. m.
	Number and area of podia:	00
	Total Parking area:	114886.89 sqm
	Area per car:	12.5 sqm
	Area per car:	12.5 sqm
	Number of 2-Wheelers as approved by competent authority:	11659 Nos
	Number of 4-Wheelers as approved by competent authority:	4331 Nos
	Public Transport:	NA
	Width of all Internal roads (m):	Width of all Internal roads: 6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8(b) Township and Area Development Project
	Court cases pending if any	NA
	Other Relevant Informations	Proposed Mixed use Development is loacetd at Bibewadi
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

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

Brief information of the project by SEAC

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

DECISION OF SEAC

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

Specific Conditions by SEAC:

FINAL RECOMMENDATION

Kindly find SEIAA decision above.

SEAC Meeting number: 101 **Meeting Date** January 9, 2020

Subject: Environment Clearance for for project by M/s Pratham Constructions

Is a Violation Case: Yes

1.Name of Project	"Sukhwani Pacific"
2.Type of institution	Private
3.Name of Project Proponent	Mr. Gurumukh Sukhwani
4.Name of Consultant	M/s JV Analytical Services
5.Type of project	Residential
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	S. No.31, Plot No. 3
9.Taluka	Mulshi,
10.Village	Thergaon
Correspondence Name:	Mr. Gurumukh Sukhwani
Room Number:	208/2a,
Floor:	-
Building Name:	Sukhwani House
Road/Street Name:	Station Road
Locality:	Pimpri
City:	Pune 411018
11.Whether in Corporation / Municipal / other area	Pimpri Chinchwad Municipal Corporation (PCMC)
12.IOD/IOA/Concession/Plan Approval Number	In process
	IOD/IOA/Concession/Plan Approval Number: -
	Approved Built-up Area: 27803.10
13.Note on the initiated work (If applicable)	27343.21 m2 (FSI-13800.80 m2 + Non FSI- 13542.41 m2)
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	13269.40 m2
16.Deductions	498.25 m2
17.Net Plot area	12771.15 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 15205.94
	b) Non FSI area (sq. m.): 15120.93
	c) Total BUA area (sq. m.): 30326.97
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 13923.50(Part Sanction)
	Approved Non FSI area (sq. m.): 13879.60(Part Sanction)
	Date of Approval: 24-06-2016
19.Total ground coverage (m2)	1792.83 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	13.51% of Total Plot area (13269.40 m2) & 14.03 % of Net Plot area (12771.15 m2)
21.Estimated cost of the project	661300000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building -A	Parking Only (P+1)	3.95
2	Building -B	P+12	37.70 m
3	Building -C	P+12	37.70 m
4	Building -D	P+12	37.70 m
5	Building -E	P+12	37.70 m

23.Number of tenants and shops	Total Tenements -240 Nos.
24.Number of expected residents / users	Total Users: 1200 Nos.
25.Tenant density per hectare	181/H
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	12 M wide D.P. road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	Not Applicable
30.Details of the demolition with disposal (If applicable)	Not Applicable

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	PCMC
	Fresh water (CMD):	175.01 m3/day (One time)
	Recycled water - Flushing (CMD):	54.01 m3/day
	Recycled water - Gardening (CMD):	13.00 m3/day
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	108.00 m3/day
	Fire fighting - Underground water tank(CMD):	200 m3
	Fire fighting - Overhead water tank(CMD):	80 m3
	Excess treated water	78.79 m3/day
Wet season:	**Source of water**	PCMC
	Fresh water (CMD):	162.01 m3/day (One time)
	Recycled water - Flushing (CMD):	54.01 m3/day
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	108.00 m3/day
	Fire fighting - Underground water tank(CMD):	200 m3
	Fire fighting - Overhead water tank(CMD):	80 m3
	Excess treated water	91.79 m3/day
Details of Swimming pool (If any)	-	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Pre Monsoon :- 14.00 m-19.50 m BGL Post Monsoon :- 9.50 m – 12.00 m BGL
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	06 No's.
	Size of recharge pits :	2.0 M X 2.0 M X 3.0 M
	Budgetary allocation (Capital cost) :	Rs.2.40 Lakh
	Budgetary allocation (O & M cost) :	Rs 1.25 Lakh/Year
	Details of UGT tanks if any :	Domestic UG tank Capacity: 179.00 m3 Flushing UG tank Capacity: 68.00 m3 Fire UG tank Capacity:200 m3
35.Storm water drainage	**Natural water drainage pattern:**	-
	Quantity of storm water:	475.60 m3/hr
	Size of SWD:	450 mm
Sewage and Waste water	**Sewage generation in KLD:**	129.40 m3/day (Existing)+ 16.40 m3/day (Proposed)
	STP technology:	MMBR
	Capacity of STP (CMD):	WWTP-100 m3/day (Existing) & STP- 65 m3/day (Proposed)
	Location & area of the STP:	WWTP -45.60 m2 & STP- 67.20 m2
	Budgetary allocation (Capital cost):	WWTP: -Rs 6.50 Lakh,STP: - Rs 23.00 Lakh,
	Budgetary allocation (O & M cost):	WWTP: -Rs 0.72 Lakh/year,STP: - Rs 6.83 Lakh/year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	30 kg/day
	Disposal of the construction waste debris:	Use for Leveling
Waste generation in the operation Phase:	**Dry waste:**	240 kg/day
	Wet waste:	360 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	6 kg/day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Sant Gadgebaba Savyamrojgar Seva Sanstha
	Wet waste:	Organic Waste Convertor
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as Manure after Treatment in OWC
	Others if any:	NA
Area requirement:	**Location(s):**	-
	Area for the storage of waste & other material:	48.00 m2 including machinary area
	Area for machinery:	-
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs 14.75 Lakh
	O & M cost:	Rs.3.28 Lakh/year

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	125 KVA – 1 No(Existing)	HSD-22.7 Lit./hr	S-1	6.5 m	As per norms	As per norms

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	Not applicable	22.7 Lit./hr	22.7 Lit./hr
41.Source of Fuel		Bharat Petroleum Corporation Ltd/ Hindustan Petroleum		
42.Mode of Transportation of fuel to site		By Roadways		

43.Green Belt Development	**Total RG area :**	RG on the ground: 1030.50 m2 & RG on the Podium: 751.80 m2
	No of trees to be cut :	NA
	Number of trees to be planted :	No of trees to be planted: 50 Nos. No. of trees already Planted: 150 Nos.
	List of proposed native trees :	-
	Timeline for completion of plantation :	Before completion of proposed building

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Michelia champaca	Sonchaffa	10	Medicinal value, Fragrant flowers, Butterfly larvae host plant, Bird attracting species, Fast growing.
2	Anthocephalus cadamba	Kadamb	10	Medicinal value, To control soil erosion, Birds, squirrels, monkey eats fruits.
3	Cassia fistula	Bahawa	10	Medicinal value, Drought tolerant species, Very ornamental, Well flowering plant, Honey bee attracting species, Host plant for Butterfly.
4	Tabubia rosea	Trumpet Tree	10	Deciduous tree with spreading crown
5	Caryota urens	Fish tail palm	10	Tall evergreen tree
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	30 KW
	DG set as Power back-up during construction phase	1 Nos X 40 KVA
	During Operation phase (Connected load):	1062 KW
	During Operation phase (Demand load):	944 KVA
	Transformer:	2 Nos. of 630 KVA (Existing)
	DG set as Power back-up during operation phase:	1 no. x 125 KVA(Existing)
	Fuel used:	22.7 Lit./hr for 100% load
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

• Solar water heating systems will be done for bathrooms.

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

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

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

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

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

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	LED Lamp & Fitting For Common Areas i.e. Bldg. Parking, Staircase, Passage & Terrace Floor.	43.73 KWH/Day
2	Up Lighter - Light Fitting For Landscape Area.	0.64 KWH/Day
3	Bollard Lighter - Light Fitting For Landscape Area.	1.12 KWH/Day
4	Solar Street Light Fitting - Pole Light On Road Side.	2 KWH/Day
5	Street Light on the Bldg.	2.64 KWH/Day
6	Energy Saving by Solar Hot Water System.	900 KWH/Day

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air	Partly tree plantation is completed	Remaining trees will be planted for proposed development.

Water	WWTP is installed on site.	STP will be installed & excess treated water used for flushing & gardening
Noise	Acoustically enclosed DG set is installed.	Noise monitoring will be done in once a fortnight. Traffic management plan to be prepared.
Solid Waste	Biodegradable and Non Biodegradable waste of existing building is disposed at PCMC garbage container.	Wet Waste will be treated in OWC. STP sludge will be Used as Manure after treatment in OWC Dry Waste will be given to Authorised Vendor

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs 33.60 Lakh
	O & M cost:	Rs 0.96 Lakh/ Year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP	Sewage Treatment Plant	23.00 Lakh	6.83 Lakh/Year
2	WWTP	Waste Water Treatment Plant	6.50 Lakh	0.72 Lakh/Year
3	RWH	Rain Water Harvesting	2.40 Lakh	1.25 Lakh/Year
4	MSW	Municipal Solid Waste	14.75 Lakh	3.28 Lakh/Year
5	Energy Saving	-	33.60 Lakh	0.96 Lakh / year.
6	Landscaping	-	66.79 Lakh	10.70 Lakh/Year
7	Safety Equipments	-	10.00 Lakh	2.00 Lakh/Year
8	Post EC Monitoring	-	-	2.50 Lakh/Year
9	Dry Waste Management	-	-	1.44 Lakh/Year

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	-
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	6600.10 m2
	Area per car:	43.70 m2
	Area per car:	43.70 m2
	Number of 2-Wheelers as approved by competent authority:	604 (including BRT Parking)
	Number of 4-Wheelers as approved by competent authority:	151 (including BRT Parking)
	Public Transport:	NA
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8(a)
	Court cases pending if any	No
	Other Relevant Informations	-

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

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

Brief information of the project by SEAC

PP had submitted application for prior Environmental clearance for total plot area of 13269.40 m2, FSI area of 15205.94 m2, Non FSI area of 15120.93 m2 and total BUA of 30326.97 m2.

The building configuration of the proposal is as below:

1	Building -A	Parking Only (P+1)	Height 3.95 m
2	Building -B	P+12	Height 37.70 m
3	Building -C	P+12	Height 37.70 m
4	Building -D	P+12	Height 37.70 m
5	Building -E	P+12	Height 37.70 m

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

DECISION OF SEAC

During discussion following points emerged:

1. PP to submit Architect's certificate mentioning construction work carried out till date.

2. PP to submit revised fire tender movement plan indicating uninterrupted clear width of 6 m and turning radius of 9 m.

3. PP to submit parking layout plan for ground floor proposing uninterrupted enrty up to stairs deleting the parking proposed in the said area.

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

5. PP to submit evacuation plan for entire project for occupants, visitors and as well as cars.

6. PP to submit details and drawings of internal storm water and sewer line up to final disposal point.

7. PP to submit cross section at 4-5 places including UGT, OWC and DG set location showing clear road width, distance left from building line and spaces left for plantation, parking, service lines, foot paths, etc.

8. PP to submit details of existing socio-economic infrastructure – primary, pre-primary schools etc. within vicinity.

9. PP to submit details of OWC.

10. PP to submit details of UGT.

11. PP to obtain and submit following NOC's: (a) CFO NOC, (b) Water supply with quantity, (c) Drainage NOC. (d) solid waste / e-waste management.

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

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

SEAC Meeting number: 101 **Meeting Date** January 9, 2020

Subject: Environment Clearance for Residential & Commercial Project

Is a Violation Case: No

1.Name of Project	EMIRUS
2.Type of institution	Private
3.Name of Project Proponent	Mr. Milind Kenjale
4.Name of Consultant	-
5.Type of project	Residential & Commercial Project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in existing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes. EC obtained vide vo. SEAC-2013/CR-287/TC-2 dated 3rd December 2016
8.Location of the project	Survey No. 107
9.Taluka	Haveli
10.Village	Baner
Correspondence Name:	Mr. Abhijit Kulkarni
Room Number:	22
Floor:	NA
Building Name:	NA
Road/Street Name:	NA
Locality:	Parvati Gaon
City:	Pune
11.Whether in Corporation / Municipal / other area	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Applied
	IOD/IOA/Concession/Plan Approval Number: Applied
	Approved Built-up Area: 48325.13
13.Note on the initiated work (If applicable)	Yes Construction has been initiated as per the EC obtained vide No. SEAC-2013/CR-287/TC-2 dated 3 December 2016. Building A,B,C,D,E,H are completed in accordance with the EC obtained as above.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	20500.00
16.Deductions	4049.85
17.Net Plot area	16450.15
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 23825.01
	b) Non FSI area (sq. m.): 24500.12
	c) Total BUA area (sq. m.): 48325.13
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 23825.01
	Approved Non FSI area (sq. m.): 24500.12
	Date of Approval: 26-04-2017
19.Total ground coverage (m2)	3284.98
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	20%
21.Estimated cost of the project	30000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Bldg A	P+8	25.95
2	Bldg B	G+1	7.0
3	Bldg C	G+1	7.0
4	Bldg D	G+1	7.0
5	Bldg E	LG+G+8	35.9
6	Bldg F	LG+G+P+10	35.9
7	Bldg G	B+G+P+19	69.9
8	Bldg H	B+G+P+19	69.9
9	Club House	G+1	7.0

23.Number of tenants and shops	171 Tenements & shops of Commercial Area
24.Number of expected residents / users	Residential Users- 855 Nos & Commercial Users- 708 Nos
25.Tenant density per hectare	103.95
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 Meter wide D P Road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	Yes Construction has been initiated as per the EC obtained vide No. SEAC-2013/CR-287/TC-2 dated 3 December 2016. Building A,B,C,D,E,H are completed in accordance with the EC obtained as above.
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):	91.11
	Recycled water - Flushing (CMD):	56.18
	Recycled water - Gardening (CMD):	12
	Swimming pool make up (Cum):	13
	Total Water Requirement (CMD) :	172.29
	Fire fighting - Underground water tank(CMD):	As per NOC
	Fire fighting - Overhead water tank(CMD):	As per NOC
	Excess treated water	64
Wet season:	**Source of water**	Pune Municipal Corporation
	Fresh water (CMD):	91.11
	Recycled water - Flushing (CMD):	56.18
	Recycled water - Gardening (CMD):	12
	Swimming pool make up (Cum):	13
	Total Water Requirement (CMD) :	160.29
	Fire fighting - Underground water tank(CMD):	As per NOC
	Fire fighting - Overhead water tank(CMD):	As per NOC
	Excess treated water	76
Details of Swimming pool (If any)	Swimming pool 1: 11.17 x 6 x 1.2 m Swimming pool 2: 20 x 8 x 1.2 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**
Domestic	0	147.29	147.29	0	39.29	39.29	0	133.0	133.0
Gardening	0	12	12	0	12	12	0	0	0
Fresh water requirement	0	91.11	91.11	0	9.12	9.12	0	81.99	81.99

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	10 m BGL
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	6 Nos.
	Size of recharge pits :	2 m x 2 m x 2.5 m
	Budgetary allocation (Capital cost) :	3.0 lakhs
	Budgetary allocation (O & M cost) :	1.0 lakh/year
	Details of UGT tanks if any :	Domestic UGT- 566 Cum Fire UGT - As per NOC
35.Storm water drainage	**Natural water drainage pattern:**	Slope if from West to East direction
	Quantity of storm water:	7742.43 m3/day
	Size of SWD:	450 mm to 600 mm
Sewage and Waste water	**Sewage generation in KLD:**	133 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	1 No. x 135 CMD
	Location & area of the STP:	Shown on plan
	Budgetary allocation (Capital cost):	Rs. 47.5 Lacs
	Budgetary allocation (O & M cost):	Rs. 9.85 Lacs/year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	5.0 Kg/d
	Disposal of the construction waste debris:	Handed over to authorized agency
Waste generation in the operation Phase:	**Dry waste:**	241.8 Kg/d
	Wet waste:	291.90 Kg/d
	Hazardous waste:	Negligible
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	11.93 Kg/day
	Others if any:	E Waste- 1135.5 Kg/Year

Mode of Disposal of waste:	**Dry waste:**	Will be handed over to authorized agency
	Wet waste:	In situ Composting
	Hazardous waste:	If generated shall be handed over to authorized agency
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	In situ composting in OWC
	Others if any:	E waste shall be handed over to authorized agency
Area requirement:	**Location(s):**	Shown on plan
	Area for the storage of waste & other material:	Shown on plan
	Area for machinery:	Considered in above area
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 11.0 Lakhs
	O & M cost:	Rs. 1.25 Lakhs/Yr

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	NA	NA	NA	NA	NA	NA

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	NA	NA	NA	NA
41.Source of Fuel		NA		
42.Mode of Transportation of fuel to site		NA		

43.Green Belt Development	**Total RG area :**	2256.89
	No of trees to be cut :	NIL
	Number of trees to be planted :	206
	List of proposed native trees :	Attached
	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	Prosopis cineraria	Shami	8	Hardy species. good for restoration of semi and areas. Drought resistant grows in very poor soil in semi arid areas.
2	Aegle marmelos	Bel	8	Aegle marmelos is native across the Indian subcontinent. It has a reputation in India for being able to grow in places that other trees cannot. It copes with a wide range of soil conditions (pH range 5-10), is tolerant of water logging and has an unusually wide temperature tolerance (from-7°C to 48 °C). It requires a pronounced dry season to give fruit.
3	Azadirachta Indica	Neem	8	Good for restoration of drier parts
4	Schleichera oleosa	Kusum	8	It is a larval host for butterflies Malayan, western centaur oakblue, common hedge blue.
5	Cassia fistula	Bahava	8	It is a larval host for butterflies like common emigrant.
6	Butea monosperma	Palas	8	Used in afforestation of saline and waterlogged regions. It is larval host for butterflies.
7	Emblica officinalis	Awala	8	Plant with good regenerative capacity, sturdy. Good for restoration of forest clearing.
8	Mimusops elengi	Bakul	8	Fruits are eaten by animals
9	Tamarindus indica	Chincha	8	Good for shade. Reduces temperatures. Fruits are favoured by wild animals.
10	Bauhinia purpurea	Rakta-Kanchan	8	"Leguminous, hardy species, drought resistant, good for plantation on land with less soil layers"
11	Lagerstroemia reginae	Tamhan	8	Large flowers, its lrval host of butterfly. Decoction of bark is used in fever. Fruit is used as local application in mouth.

12	Albizia lebbeck	Shirish	8	It is a larval host for butterflies common grass yellow. A fast growing nitrogen-fixing, heavy shade tree, recommended for reforestation and firewood plantations. older trees withstand grass
13	Mangifera Indica	Amba	8	Dominant in all kind of forets. Fruits are eaten by wild animals. It is a larval host for butterfly.
14	Garcinia	Kokam	8	Evergreen tree good for creating perennial greenery. Important species in evergreen forests
15	Cochlospermum religiosum	Ganer, Sonsawar	8	It attracts many birds while flowering, Leaves and gym useful in cough, diarrhoea and dysentery.
16	Syzygium cuminii	Jambhul	8	Edible fruits. The leaves are used as folder. Seeds are used to reduce blood sugar in diabetic
17	Phonenix sylvestris	Palm- Shindi	5	Ripe fruits are eaten by many animals this also helps in seed dispersal.
18	Spathodea campanulata	Pchkari	10	Na
19	Delonix regia	Neelmohor	4	Flowering plant
20	Cassia fistula	Bahava	2	It is a larval host for butterflies like common emigrant.
21	Millingtonia hortensis	Buch	1	NA
22	Veitchia Merrillii	Golden Plam	10	Palm Spp
23	Plumeria	Chafa	10	Flowering Plant
24	Ziziphus mauritiana	Indian Cheri	8	Fruiting plant, attracting Birds
25	Bauhinia variegata	Kanchan	4	Flowering plant
26	Nyctanthes arbor-tristis	Prajakta	2	Flowering plant
27	Dypsis lutescens	Areca Plam	8	Palm Spp
28	Moringa oleifera	Shevaga	1	Fruiting & Flowering Plant
29	Ficus benjamina	Ficus plant	13	Fruiting & Flowering Plant
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	45 KW
	DG set as Power back-up during construction phase	1 No. x 82.5 KVA
	During Operation phase (Connected load):	2233 KW
	During Operation phase (Demand load):	1355 KW
	Transformer:	3 Nos. x 630 KVA
	DG set as Power back-up during operation phase:	1 No. x 250 KVA, 1 No. x 82.5 KVA, 1 No. x 325 KVA, 1 No. x 100 KVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Use of energy efficient lights like LED, T5
Use of high efficient transformer
Use of solar street lights & water heating
Timer based switch for common lighting

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Use of energy efficient lights like LED, T5 Use of high efficient transformer Use of solar street lights Timer based switch for common lighting	15 %

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 90 lakhs
	O & M cost:	Rs. 0.9 lakhs/year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water for Construction & Labor	Water requirement	3.0
2	Site sanitation & Safety	Health & Safety	1.0
3	Environmental Monitoring	Pollution Monitoring	3.0
4	Disinfection	Health & Safety	0.5

5	Health Check up	Health & Safety	0.5

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Rain Water Harvesting	RWH Pits	3.0	1.0
2	Sewage treatment Plant	Waste water treatment	47.5	9.85
3	Organic Waste Composter	Solid waste management	11.0	1.25
4	Tree Plantation	Landscape development	12.66	2.0
5	Energy Saving	Energy Conservation	90.0	0.9
6	Swimming Pool	Swimming Pool	4.0	1.0
7	Environmental Monitoring	Pollution Monitoring	0.00	3.0

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

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

52.Any Other Information

No Information Available

53.Traffic Management

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

Parking details:	**Number and area of basement:**	1 No. - 2970.86 Sqm
	Number and area of podia:	1 No. - 2982.43 Sqm
	Total Parking area:	7111.75 Sqm
	Area per car:	12.5
	Area per car:	12.5
	Number of 2-Wheelers as approved by competent authority:	753 Nos
	Number of 4-Wheelers as approved by competent authority:	460 Nos
	Public Transport:	NA
	Width of all Internal roads (m):	Min 6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	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

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

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

Brief information of the project by SEAC

PP had submitted application for prior Environmental clearance for total plot area of 20500 m2, FSI area of 23825.01 m2, Non FSI area of 24500.12 m2 and total BUA of 48325.13 m2.

The building configuration of the proposal is as below:

1	Bldg A	P+8	Height 25.95 m
2	Bldg B	G+1	Height 7.0 m
3	Bldg C	G+1	Height 7.0m
4	Bldg D	G+1	Height 7.0m
5	Bldg E	LG+G+8	Height 35.9m
6	Bldg F	LG+G+P+10	Height 35.9m
7	Bldg G	B+G+P+19	Height 69.9m
8	Bldg H	B+G+P+19	Height 69.9m
9	Club House	G+1	Height 7.0m

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

DECISION OF SEAC

During discussion following points emerged:

1. PP to submit Architect's certificate mentioning construction work carried out till date.

2. PP to submit basement approval plan and basement ventilation plan.8

3. PP to submit parking statement showing total number of parking required and proposed as per DCR / Town Planning norms with adequate area per car as per norms.

4. PP to submit evacuation plan for entire project for occupants, visitors and as well as cars.

5. PP to submit copy of approved plan indicating RG area.

6. PP to submit co-ordinated master layout superimposing all environmental parameters.

7. PP to submit details of UGT.

8. PP to obtain and submit following NOC's: (a) Water supply with quantity, (b) Drainage NOC. (c) Garden NOC.

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

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

101 SEAC-3 Day 01

SEAC Meeting number: 101 **Meeting Date** January 9, 2020

Subject: Environment Clearance for Residential and Conventional Shopping

Is a Violation Case: No

1.Name of Project	"Tanish Park"
2.Type of institution	Private
3.Name of Project Proponent	Name: SHRI. DILIP SOLANKI
4.Name of Consultant	NABET Accredited consultant .
5.Type of project	Residential and Conventional Shopping
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	NO
8.Location of the project	Sr No. 229/1/2,229/1/1,229/2,228(P) Charholi Budruk
9.Taluka	HAVELI.
10.Village	Charloi
Correspondence Name:	Tanish Associates, Tanish Shrushti. Sr No 498, Charoli Khurd. AlandiMarkal Road 412105
Room Number:	S. No. 498
Floor:	Ground
Building Name:	Tnaish Shrushti
Road/Street Name:	Alandi- Market road
Locality:	Charholi
City:	Pune
11.Whether in Corporation / Municipal / other area	Pimpri Chinchwad Municipal Corporation (PCMC)
12.IOD/IOA/Concession/Plan Approval Number	PCMC DC rule
	IOD/IOA/Concession/Plan Approval Number: Sanctioned BP/EC/ Charhilo/05/19
	Approved Built-up Area: 126261.81
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.)	28393.53
16.Deductions	1219.68
17.Net Plot area	27173.85
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 55405.43
	b) Non FSI area (sq. m.): 70456.38
	c) Total BUA area (sq. m.): 126261.81
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 55405.43
	Approved Non FSI area (sq. m.): 70856.38
	Date of Approval: 31-12-2019
19.Total ground coverage (m2)	5802.77
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	22
21.Estimated cost of the project	2520000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A	B+G+P+12	43 m
2	B	B+G+P+12	43 m
3	C	B+G+P+12	43 m
4	D	B+G+P+12	43 m
5	E	B+G+P+11	43 m
6	F	B+G+P+12	43 m
7	H	B+G+P+12	43 m
8	H	B+G+P+12	43 m
9	I	B+G+P+12	43 m
10	NA	NA	NA

23.Number of tenants and shops	1257 No residential tenants & , Shop10 No,
24.Number of expected residents / users	5661 (Residential) + 88 (Commercial) Total: 5749 nos.
25.Tenant density per hectare	250/ha
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	30 m wide road (Nearest Fire Station: Alandi fire station at 4.50km from site)
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m for fire driveway
29.Existing structure (s) if any	NO
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	PCMC
	Fresh water (CMD):	Residential: 509.50 Commercial: 2 Total: 511.50
	Recycled water - Flushing (CMD):	Residential: 255 Commercial: 2 Total: 257
	Recycled water - Gardening (CMD):	55
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	Fresh (Residential + Commercial): 511.50 Flushing (Residential + Commercial): 257 Landscape:55 Total:=863
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	20 m3 for each building
	Excess treated water	310
Wet season:	**Source of water**	PCMC
	Fresh water (CMD):	Residential: 509.50 Commercial: 2 Total: 511.50
	Recycled water - Flushing (CMD):	Residential: 255 Commercial: 2 Total: 257
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	Fresh (Residential + Commercial): 511.50 Flushing (Residential + Commercial): 257 Total: 768.50
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	20 m3 for each building
	Excess treated water	366
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	00	Residential: 509.50 Commercial: 2	511.50	00	51.15	51.15	00	460.35	460.35
Fresh water requirement	00	Residential: 257 Commercial: 2	259	00	25.9	25.9	00	233.10	233.10
Gardening	00	55	55	00	00	00	00	00	00

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Post Monsoon- 30m BGL Pre-Monsoon- 75 to 80m BGL
	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 :	Size- 2.5 m X 2.5m X 2 m
	Budgetary allocation (Capital cost) :	Rs. 9 Lakh
	Budgetary allocation (O & M cost) :	Rs. 4.50 Lakh / annum
	Details of UGT tanks if any :	1.Details of UGT tanks if any: Domestic UG tank Capacity (cum): 1.Residential UGWT Capacity: 764.50 Commercial UGWT Capacity: 3.30 2.Flushing tank Capacity(cum) Residential UGWT Capacity: 255 Commercial UGWT Capacity: 2.55 3.Fire UG tank Capacity (cum)---300
35.Storm water drainage	**Natural water drainage pattern:**	As per natural contour ,South to North west
	Quantity of storm water:	4.2 CUM/min
	Size of SWD:	450mm diameter RCC pipr with slope 1:150
Sewage and Waste water	**Sewage generation in KLD:**	693.50 M3
	STP technology:	MBBR
	Capacity of STP (CMD):	730 M3
	Location & area of the STP:	Near service area along 9.0m(W) DP road And area is 360 sq. m
	Budgetary allocation (Capital cost):	1.45 Lacs
	Budgetary allocation (O & M cost):	29 lacs per year

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Excavation = 29999.28 cum , Filling in Plinth = 17307.28 cum , Filling at Front Side = 2491.20 cum , Concrete =22650.06 cum , Steel = 2160 MT , Fly ash bricks = 10649.74 cum
	Disposal of the construction waste debris:	Topsoil will be used for Landscaping. ¬Excavated material will be reused for ground filling, levelling and internal roads at construction site rest of material will be store at adjacent plot
Waste generation in the operation Phase:	**Dry waste:**	Residential: 1132 kg/day Commercial: 26 kg/day Total: 1158 kg/day
	Wet waste:	Residential: 1698 kg/day Commercial: 18 kg/day Total: 1716 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	36 Kg per day
	Others if any:	E Waste:-7.87 kg/day

Mode of Disposal of waste:	**Dry waste:**	Dry waste will be sent for recycling to SWACH
	Wet waste:	Treated in OWC within site
	Hazardous waste:	Na
	Biomedical waste (If applicable):	Na
	STP Sludge (Dry sludge):	Used as Manure
	Others if any:	Others if any: Will be handed over to authorized agency
Area requirement:	**Location(s):**	Near STP
	Area for the storage of waste & other material:	25m x 5m = 125 m2
	Area for machinery:	Included in Above
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	45.25 Lacs
	O & M cost:	10.5 Lacs

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	1X320 KVA	69 lit./Hr.@100 % Loading	1	2.3 Mtr	150 mm	532 Degree Centigrade

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	Required RG area: 2718.50
	No of trees to be cut :	0
	Number of trees to be planted :	355 Nos
	List of proposed native trees :	As given below
	Timeline for completion of plantation :	Before completion of project

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadiracta indica	Neem	33	Good Medicinal use
2	Mangifera indica	Mango	13	Tall Evergreen tree with fruit bearing
3	Pongamia pinnata	Karanj	16	Good Medicinal use
4	Artocarpus heterophyllus	Jackfruit	11	Tall Evergreen tree with fruit bearing
5	Albizia lebbeck	Shirish	14	Fragrant flowers or leaves attract birds/butterflies/Bees, Deep green, drought tolerant.
6	Saraca indica	Sita Ashok	23	Fragrant flowers or leaves, flower covering the entire crown, plant for pooja
7	Butea monosperma	Palas	10	Fragrant flowers or leaves, flower covering the entire crown, plant for pooja
8	Lagerstroemia speciose	Jarul	13	Creates shade, attract birds/butterflies/bees, Good for screening.
9	Syzygium cumini	Jamun	5	Tall Evergreen tree with fruit bearing
10	Terminalia catippa	Badam	25	Evergreen fruit bearing tree attracts birds.
11	Khaya grandi	Khaya	19	Evergreen Tree
12	Cassia fistula	Golden Shower	20	Auspicious attract birds/bees/butterfly, hanging or weeping growth.
13	Bauhinia blakeana	Apta	10	Semi evergreen tree with medicinal value
14	Michelia champaca	Sonchapha	39	Medium sized evergreen tree, fragrant yellow flower, butterfly host plant
15	Mimusops elengi	Bakul	20	Shady tree, Small white fragrant flowers.
16	Anthocephalus cadamba	Kadamb	15	Shady, Large tree, ball shaped flowers.
17	nyctanthes arbor-tristis	Parijatak	38	Birds attracting Tree with medicinal value
18	Tectona grandis	Saag	10	Deciduous tree, good quality wood for furniture

19	Hardwickia binata	Anjan	12	Medium deciduous ornamental tree, the bark of the tree is used for making ropes, the timber obtained from Hardwickia binata is used for making agricultural equipment like cart wheels, oil mills, pestles and ploughs.
20	Ochna obtusata	Kanak champa	9	Attractive yellow flowers, grow quickly
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	Koynel - Clerodendruminerme	0.50 m c/c	NA
2	Nirgudi - Vitexnegundo	0.50 m c/c	NA
3	Chitrak - PlumbagoZeylanica	0.50 m c/c	NA
4	Tarwad - Cassia auriculata	0.50 m c/c	NA
5	Kunti - Murraya Exotica	1.00m c/c	NA
6	Champa	1.50m c/c	NA
7	Ananta	1.00m c/c	NA
8	Jai-Jui	1.00m c/c	NA
9	Boganwel	0.50 m c/c	NA

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	50 Kw
	DG set as Power back-up during construction phase	62.5 Kva
	During Operation phase (Connected load):	4158 Kw
	During Operation phase (Demand load):	3008 Kw
	Transformer:	5X630 KVa
	DG set as Power back-up during operation phase:	1X320 Kv a
	Fuel used:	69 lit./hr. (HSD/ Diesel)
	Details of high tension line passing through the plot if any:	No

48.Energy saving by non-conventional method:

1.LED are proposed for building Common area Viz. Lobby, Parking & Passages & Staircase, street light etc.
2. 50% of Street lights are on solar system.
3. 1% of Solar Photovoltaic generation on total maximum demand load.
4. Solar water heating is being proposed for hot water in one of the bath in flats qty.
5. As per MSEDCL requirements, we are planned to use high efficiency Transformer to reduce losses.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar Energy (P.V. Panels)	0.93 %
2	Auto. Timer Logic Controller	1.35%
3	Electronic VVF drive for Lifts	1.39 %
4	Solar Hot Water heater(Solar Panel)	20.61%
5	Total	24.28%

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
STP	NA	730CMD
OWC	NA	2000 KG PER DAY
PLantation	NA	355 NO OF PLANTS
Energy	NA	DG set with adequate stack height

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	2.01 Cr
	O & M cost:	0.817 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	Air Environment	Air & Noise monitoring	0.48
2	Air Environment	Water for Dust Suppression	1.44
3	Water Environment	Tanker water for construction (Tanker Considered in above)	Cost Considered in above
4	Water Environment	Water for worker	0.894
5	Water Environment	Water monitoring	0.6
6	Land Environment	Site Sanitation	4.2
7	Biological Environment	Topsoil preservation cost	12
8	Socio-economic Environment	Disinfection- Pest Control	0.06
9	Socio-economic Environment	first aid facilities	0.3
10	Socio-economic Environment	Health Check Up	0.2
11	Socio-economic Environment	Crèches for children	1.2
12	Socio-economic Environment	Personal protective equipment	1.225

13	Energy Conservation	CFL lamps for labour hutments	0.04
14	Total	NA	22.609

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 waste water	STP	145	29
2	Rain Water Harvesting	Recharge Pit	9	4.5
3	Solid Waste Management	OWC	45.50	10.59
4	Green Development	Plantation	76.83	5.82
5	Energy Use	Timer logic controller, Electrical V3F Drive for Lift Solar Water heating	18.90	1.89
6	Renewable Energy	Solar PV	88	4.4
7	Environmental Monitoring	EMP Costing	MoEF and CC approved laboratory	MoEF and CC approved laboratory

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:	One

Parking details:	**Number and area of basement:**	1 NO. 10,200 SQM.
	Number and area of podia:	1 NO. 16,597 SQM
	Total Parking area:	26700(Res)+242.40(Comm) = 26942.40 (Covered), 3856.60(Res)+0(Comm) =3856.60 (Uncovered) Total: 30,799 sq. m
	Area per car:	30 Sq m
	Area per car:	30 Sq m
	Number of 2-Wheelers as approved by competent authority:	Proposed: 2514+18 = 2532 Nos.
	Number of 4-Wheelers as approved by competent authority:	Proposed: 629 + 6 = 635 Nos.
	Public Transport:	PMPML Bus stand in project vicinity
	Width of all Internal roads (m):	6.00M AND 9.00M turning rasdius
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8a (B2)
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	20-03-2019

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

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

Brief information of the project by SEAC

PP had submitted application for prior Environmental clearance for total plot area of 28393.53 m2, FSI area of 55405.43 m2, Non FSI area of 70456.38 m2 and total BUA of 126261.81 m2.

The building configuration of the proposal is as below:

1	A	B+G+P+12	Height 43 m
2	B	B+G+P+12	Height 43 m
3	C	B+G+P+12	Height 43 m
4	D	B+G+P+12	Height 43 m
5	E	B+G+P+11	Height 43 m
6	F	B+G+P+12	Height 43 m
7	H	B+G+P+12	Height 43 m
8	H	B+G+P+12	Height 43 m
9	I	B+G+P+12	Height 43 m
10	F	P+15	Height 49 m

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

DECISION OF SEAC

During discussion following points emerged:

1. In CER, PP to submit details of number and location of toilets and tree plantation with cost. PP to submit revised CER.

2. PP to submit disaster management plan incorporating disaster management committee after construction phase.

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

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

101 SEAC-3 Day 01

SEAC Meeting number: 101 **Meeting Date** January 9, 2020

Subject: Environment Clearance for Proposed Residential cum Commercial Project (Mixed use) "Osiyan County" by M/s D R Gavhane Landmarks LLP

Is a Violation Case: No

1.Name of Project	"Osiyan County"
2.Type of institution	Private
3.Name of Project Proponent	Mr. Amit Damodar Gavhane
4.Name of Consultant	sd Engineering Services Pvt. Ltd.
5.Type of project	Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	S. NO. 492/1, 492/2, 492/3, 493/1, 493/2, 494/1, 494/2
9.Taluka	Haveli
10.Village	Charholi Budruk
Correspondence Name:	Mr. Dinesh Rajput
Room Number:	Sr. No. 690/1A/1/1/1,
Floor:	-
Building Name:	KBG Classic ,
Road/Street Name:	Pune Nashik Road, Above P N Gadgil,
Locality:	Bhosari City
City:	Pune 411039
11.Whether in Corporation / Municipal / other area	Pimpri Chinchwad Municipal Corporation (PCMC)
12.IOD/IOA/Concession/Plan Approval Number	Applied
	IOD/IOA/Concession/Plan Approval Number: Applied
	Approved Built-up Area: 00
13.Note on the initiated work (If applicable)	Not Any
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	26,631.89
16.Deductions	2,360.61 (Road Set back)
17.Net Plot area	24,271.28
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 30860.57
	b) Non FSI area (sq. m.): 17514.48
	c) Total BUA area (sq. m.): 48375.05
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 00
	Approved Non FSI area (sq. m.): 00
	Date of Approval: 01-01-1900
19.Total ground coverage (m2)	7,890.97
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	32.50 %
21.Estimated cost of the project	729264504

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Bldg. A 1, 1 number	G+8	26.85
2	Bldg. B 1, 1 number	G+4	16.30
3	Bldg. C, 1 number	P+8	26.75
4	Bldg. D, 1 number	P+8	26.75
5	Bldg. E, 1 number	P+8	26.75
6	Bldg. F, 1 number	P+8	26.75
7	Podium Parking Building	B+G	3.75

23.Number of tenants and shops	Tenement: 552 Total No. of Shops and offices: 68 (30 nos. of Offices and 38 nos. of Shops) Amenity - 2 nos. (Gym -1 no. and Multipurpose hall -1 no.)
24.Number of expected residents / users	2760 (Residential) + 557 (Commercial) Total: 3317 nos.
25.Tenant density per hectare	228
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 (Nearest Fire Station: Alandi Fire Station)
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	min. 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**	Pimpri Chinchwad Municipal Corporation (PCMC)
	Fresh water (CMD):	Residential: 248 Commercial: 15 Total: 263
	Recycled water - Flushing (CMD):	Residential: 124 Commercial: 12 Total: 136
	Recycled water - Gardening (CMD):	18
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	Fresh (Residential + Commercial): 263 Flushing (Residential + Commercial): 136 Landscape: 18 Total: 417
	Fire fighting - Underground water tank(CMD):	250
	Fire fighting - Overhead water tank(CMD):	20 cum for each building
	Excess treated water	181
Wet season:	**Source of water**	Pimpri Chinchwad Municipal Corporation (PCMC)
	Fresh water (CMD):	Residential: 248 Commercial: 15 Total: 263
	Recycled water - Flushing (CMD):	Residential: 124 Commercial: 12 Total: 136
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	Fresh (Residential + Commercial): 263 Flushing (Residential + Commercial): 136 Total: 399
	Fire fighting - Underground water tank(CMD):	250
	Fire fighting - Overhead water tank(CMD):	20 cum for each building
	Excess treated water	199
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	263	263	Not applicable	26	26	Not applicable	236	236
Domestic	Not applicable	136	136	Not applicable	13	13	Not applicable	123	123
Gardening	Not applicable	18	18	Not applicable	18	18	Not applicable	00	00

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Post Monsoon- 5 to 6 m BGL Pre-Monsoon- 12 to 15 m BGL
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	9 pits
	Size of recharge pits :	Size- 2 m X 1 m X 2 m
	Budgetary allocation (Capital cost) :	9 Lakh
	Budgetary allocation (O & M cost) :	4.50 Lakh / annum
	Details of UGT tanks if any :	Domestic: Residential UGWT Capacity: 373 Commercial UGWT Capacity: 22 Flushing: Residential UGWT Capacity: 124 Commercial UGWT Capacity: 18
35.Storm water drainage	**Natural water drainage pattern:**	As per natural contour
	Quantity of storm water:	0.41 m3/sec
	Size of SWD:	300 mm and 450 mm
Sewage and Waste water	**Sewage generation in KLD:**	359
	STP technology:	MBBR
	Capacity of STP (CMD):	1 Number having 375 KLD capacity
	Location & area of the STP:	Near open space 3 And area is 211 sq. m
	Budgetary allocation (Capital cost):	37 Lakh
	Budgetary allocation (O & M cost):	9.75 Lakh/annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Excavation: 25766.32 m3 & Topsoil: 8,911.81 m3
	Disposal of the construction waste debris:	Top soil will be used for Landscaping and rest of excavation will be used for filling site
Waste generation in the operation Phase:	**Dry waste:**	Residential: 552 kg/day Commercial: 84 kg/day Total: 636 kg/day
	Wet waste:	Residential: 828 kg/day Commercial: 56 kg/day Total: 884 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	30 kg/day
	Others if any:	E-waste: 5 kg/day

Mode of Disposal of waste:	**Dry waste:**	Will be handed over to authorised agency
	Wet waste:	Treated in OWC
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as Manure
	Others if any:	Will be handed over to authorised agency
Area requirement:	**Location(s):**	Near STP
	Area for the storage of waste & other material:	80.0 sq. m
	Area for machinery:	Included in above
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	18.75 Lakh
	O & M cost:	10.55 Lakh/Annum

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	1 no. of 250 KVA	42.6 Lit. / Hr.	1	4.28	0.15	499

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	Not applicable	42.6 lit/hr.	42.6 lit/hr.
41.Source of Fuel		Authorized Dealer		
42.Mode of Transportation of fuel to site		By Road		

43.Green Belt Development	**Total RG area :**	Required RG area: 2427.13
	No of trees to be cut :	00
	Number of trees to be planted :	305
	List of proposed native trees :	As given below
	Timeline for completion of plantation :	Before completion of project

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Manikara zapota	Chikoo	35	Tropical fruit tree & bird attracting tree
2	Michelia champaca	Champa	50	Evergreen timber plant, ornamental,
3	Mimusopes elengi	Bakul	37	Evergreen tree, timber yielding and medicinal plant
4	Ficus benjamina	Weeping fig	15	Evergreen & bird attracting tree
5	Cassia fistula	Golden shower	18	Drought tolerant, ornamental & medicinal plant
6	Cassia grandis	Pink shower	25	Drought tolerant, ornamental & medicinal plant
7	Bauhinia blackiana	Kanchan	27	Evergreen medicinal plant
8	Roystonea regia	Royal palm	12	Nitrogen fixer, ornamental plant
9	Syzygium cumini	Jambhul	40	fruit tree & bird attracting
10	Neolamarkia cadamba	Kadamba	01	Tropical fruit tree & bird attracting tree
11	Mangifera indica	Mango	01	Evergreen & bird attracting tree
12	Ficus religiosa	Pimpal	01	Evergreen & bird attracting tree
13	Ficus bengalensis	Wad	01	Shade Loving & bird attracting tree
14	Albezia libbeck	Shirish	05	Evergreen & bird attracting tree
15	Azadirecta indica	Neem	20	Evergreen & bird attracting tree
16	Caryota mitis	Fishtail palm	07	Nitrogen fixer, ornamental 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	--	--	--

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	75 KW
	DG set as Power back-up during construction phase	1 no. of 82.5 KVA
	During Operation phase (Connected load):	2,407 KW
	During Operation phase (Demand load):	1,394 KW
	Transformer:	3 NOS. of 630 KVA
	DG set as Power back-up during operation phase:	1 No. of 250 KVA
	Fuel used:	42.6 lit./hr.
	Details of high tension line passing through the plot if any:	Yes

48.Energy saving by non-conventional method:

Solar PV panels (SOLAR ENERGY - Outdoor Lighting / Street Lights)
Auto Timer Logic Controller
Electrical V3F Drive for Lift
Solar Water Heater

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar PV panels (SOLAR ENERGY - Outdoor Lighting / Street Lights)	0.35 (18900 KWH / Annum)
2	Auto Timer Logic Controller	0.94 (50545.20 KWH / Annum)
3	Electrical V3F Drive for Lift	0.43 (22872.36 KWH / Annum)
4	Solar Water Heater	17.93 (960480 KWH / Annum)

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Sewage waste water	Not applicable	STP
Solid waste (Biodegradable)	Not applicable	OWC
Emission from DG set	Not applicable	DG set with adequate stack height

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	108.35
	O & M cost:	3.24

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

1	Air Environment	Water for Dust Suppression, Air & Noise monitoring	1.92
2	Water Environment	Tanker water for construction (Tanker Considered in above)	Cost Considered in above
3	Water Environment	Water for worker and Water monitoring	1.464
4	Land Environment	Site Sanitation	4.2
5	Biological Environment	Top soil preservation cost	12
6	Socio-economic Environment	Disinfection- Pest Control, first aid facilities, Health Check Up, Crèches for children, and Personal protective equipment	2.985
7	Energy Conservation	CFL lamps for labour hutments	0.04

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Generation	STP	37.0	9.75
2	Rain Water Harvesting	Recharge pit	9	4.5
3	Solid Waste Management	OWC	18.76	10.55
4	Green Belt Development	Plantation	37.20	4.46
5	Energy Use	(Timer Logic Controller, Electrical V3F Drive for Lift,)	14.95	1.50
6	Renewable Energy	Solar water heating + PV	108.35	3.24
7	Environmental Monitoring	EMP costing	MoEFCC approved laboratory	8.36

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	One
Parking details:	**Number and area of basement:**	1 NO. 2306.97 SQM
	Number and area of podia:	1 NO. 1858.90 SQM.
	Total Parking area:	10075.58 (Covered) + 7423.61 (Uncovered) Total: 17499.19 sq. m
	Area per car:	30.00 sq. m for covered and 35.00 for basement
	Area per car:	30.00 sq. m for covered and 35.00 for basement
	Number of 2-Wheelers as approved by competent authority:	1260 Nos.
	Number of 4-Wheelers as approved by competent authority:	374 Nos.
	Public Transport:	PMPML Bus stand in project vicinity
	Width of all Internal roads (m):	6.00 m
	CRZ/ RRZ clearance obtain, if any:	No
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	None within 10 Km
	Category as per schedule of EIA Notification sheet	8a (B2)
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

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

Brief information of the project by SEAC

PP had submitted application for prior Environmental clearance for total plot area of 26631.89 m2, FSI area of 30860.57 m2, Non FSI area of 17514.48 m2 and total BUA of 48375.05 m2.

The building configuration of the proposal is as below:

1	Bldg. A 1, 1 number	G+8	Height 26.85 m
2	Bldg. B 1, 1 number	G+4	Height 16.30m
3	Bldg. C, 1 number	P+8	Height 26.75m
4	Bldg. D, 1 number	P+8	Height 26.75m
5	Bldg. E, 1 number	P+8	Height 26.75m
6	Bldg. F, 1 number	P+8	Height 26.75m
7	Podium Parking Building	B+G	Height 3.75m

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

DECISION OF SEAC

During discussion following points emerged:

1. PP has proposed solar panel, water purifier, rain water harvesting pits and solar street lights to private society. PP to provide these facilities to Govt. / municipal school / hospitals etc. PP to revise CER indicating number , cost and location of activates.

2. PP to ensure that MHADA building will be part of Federation of the Society and will use RG, Club House etc. PP to incorporate relevant clause in the sale agreement.

3. PP to ensure that commercial parking is separated from residential parking with separate entry and exit.

4. PP to submit details of parking in basement indicating adequate width and turning radius.

5. PP to submit parking statement showing total number of parking required and proposed as per DCR / Town Planning norms with adequate area per car as per norms.

6. PP to submit evacuation plan for entire project for occupants, visitors and as well as cars.

7. PP to revise EMP for operation phase including cost for laying storm water drain up to final disposal point.

8. PP to submit cross section at 4-5 places including UGT, OWC and DG set location showing clear road width, distance left from building line and spaces left for plantation, parking, service lines, foot paths, etc.

9. PP to submit co-ordinated master layout superimposing all environmental parameters.

10. PP to submit details and drawings of sewer line up to final disposal point indicating nall and HFL.

11. PP to obtain and submit following NOC's: (a) Water supply with quantity, (b) Tree cutting / Garden NOC.

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

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

101 SEAC-3 Day 01

SEAC Meeting number: 101 **Meeting Date** January 9, 2020

Subject: Environment Clearance for Dev Emerald

Is a Violation Case: No

1.Name of Project	Dev Emerald
2.Type of institution	Private
3.Name of Project Proponent	Mr. Amit K. Nagpal
4.Name of Consultant	MITCON Consultancy & Engineering Services Ltd.
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	Gat No.-659, Hissa No.-1,Wagholi, Tal: Haveli, Dist.: Pune, State- Maharashtra
9.Taluka	Haveli
10.Village	Wagholi
Correspondence Name:	Mr. Amit K. Nagpal
Room Number:	613/614,
Floor:	6th Floor,
Building Name:	Sacred world
Road/Street Name:	South Block
Locality:	Wanawori
City:	Pune
11.Whether in Corporation / Municipal / other area	PMRDA
12.IOD/IOA/Concession/Plan Approval Number	Applied
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 25312.28
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.)	10000 sqm
16.Deductions	1643.19
17.Net Plot area	8356.81
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 11984.89
	b) Non FSI area (sq. m.): 13327.39
	c) Total BUA area (sq. m.): 25312.28
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 12172.77
	Approved Non FSI area (sq. m.): 13327.39
	Date of Approval: 01-01-1900
19.Total ground coverage (m2)	1655.76
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	19.81%
21.Estimated cost of the project	599500000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building	P+11	35.60
2	Building "B"	P+11	35.60
3	Commercial (Part of Building A)	G+2	12.80
4	Club House	G+1	7.0

23.Number of tenants and shops	210 tenements + 8 shops
24.Number of expected residents / users	1279
25.Tenant density per hectare	210/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
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**	Wagholi Grampanchayat
	Fresh water (CMD):	98
	Recycled water - Flushing (CMD):	54
	Recycled water - Gardening (CMD):	8
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	160
	Fire fighting - Underground water tank(CMD):	150
	Fire fighting - Overhead water tank(CMD):	20
	Excess treated water	80
Wet season:	**Source of water**	Wagholi Grampanchayat
	Fresh water (CMD):	98
	Recycled water - Flushing (CMD):	54
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	160
	Fire fighting - Underground water tank(CMD):	150
	Fire fighting - Overhead water tank(CMD):	20
	Excess treated water	88
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	98	98	Not applicable	9.8	9.8	Not applicable	88.2	88.2
Domestic	NA	54	54	NA	5.4	5.4	NA	48.6	48.6
Gardening	NA	8	8	NA	8	8	NA	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	20-32 m BGL
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	6 Nos of recharge pits
	Size of recharge pits :	2.00 m. X 2.00 m. X 2.00 m
	Budgetary allocation (Capital cost) :	Rs 4.00 Lacs
	Budgetary allocation (O & M cost) :	Rs 1.00 Lacs/year
	Details of UGT tanks if any :	Domestic UG tank Capacity (cum) : 146.90 Flushing tank Capacity(cum) 81.18 Fire UG tank Capacity (cum) 150
35.Storm water drainage	**Natural water drainage pattern:**	Towards North
	Quantity of storm water:	4047.07 m3/year
	Size of SWD:	300 mm
Sewage and Waste water	**Sewage generation in KLD:**	142
	STP technology:	MMBR
	Capacity of STP (CMD):	1 no 142 Cum
	Location & area of the STP:	Near Building B
	Budgetary allocation (Capital cost):	Rs. 19.70 lacs
	Budgetary allocation (O & M cost):	Rs. 08.28 Lacs/annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Quantity of the top soil to be preserved: 2708 Cum
	Disposal of the construction waste debris:	2708 Cum to be re used for filling
Waste generation in the operation Phase:	**Dry waste:**	207
	Wet waste:	311
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	20.5 kg/day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	will be collected by SWACH
	Wet waste:	Treated in OWC
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	will be used as manure after OWC treatment
	Others if any:	NA
Area requirement:	**Location(s):**	Near Building B
	Area for the storage of waste & other material:	65.32 m2
	Area for machinery:	15 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 10.90 Lacs
	O & M cost:	Rs. 1.50 Lacs/year

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	DG set (100 KVA)	Diesel - 30 Kg/hr	1	3.46	0.150	522° C

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	983.78 m2
	No of trees to be cut :	NA
	Number of trees to be planted :	168
	List of proposed native trees :	Attached seperately
	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	Azardirachta indica	Neem	03	Medicinal value, To control soil erosion. To improve soil erosion
2	Bauhinia racemosa	Apta	03	Every part of the plant is medicinal, Drought tolerant species.
3	Caryota urens	Fishtail palm	03	Grown in any type of soil. Very Hardy.
4	Citrus species	Lemon	03	Medicinal value, Edible fruit.
5	Dalbergia sisoo	Shisav	03	Medicinal value, Bird attracting species ,
6	Erythrina indica	Pangara	03	Fragrant flowers, Drought tolerant species, Birds attracting
7	Gmelina arborea	Shivan	03	Medicinal value, Drought tolerant species, Bird attracting species.
8	Mimosups elengii	Bakul	03	Fragrant flowers, Medicinal value, To control soil erosion.
9	Murraya koengii	Kadipatta	02	Medicinal value, Edible leaves.
10	Muntingia calabura	Singapore cherry	03	Fragrant flowers, Bird attracting species.
11	Nyctanthus arbortristis	Parijatak	03	Fragrant flowers, Medicinal value,
12	Putranjiva roxburghii	Putrnjiva	04	Medicinal value, Drought tolerant species,
13	Roystonia regia	Bottle palm	05	Ornamental plant, Medicinal value, Birds & bats eat fruits.
14	Ailanthus excelsa	Maharukh	08	Ailathus excelsa
15	Albizia lebek	Shirish	04	Medicinal for Skin, Fragrant flowers, To control soil erosion, Bird attracting species (Para kids eat seeds).
16	Anthocephalus kadamba	Kadamb	08	Medicinal value, To control soil erosion, Birds, squirrels, monkey eat fruits.
17	Azardirachta indica	Neem	08	Medicinal value, To control soil erosion. To improve soil erosion
18	Bauhinia blackiana	Kanchanraj	08	Every part of the plant is medicinal, Drought tolerant species.
19	Bauhinia purpurea	Gulabi kanchan	08	Every part of the plant is medicinal ,Drought tolerant species.

20	Butea monosperma	Palas	08	Medicinal value, Bird attracting species , To control soil erosion.
21	Cassia fistula	Bahawa	08	Medicinal value, Drought tolerant species, Very ornamental, Well flowering plant, Honey bee attracting species, Host plant for Butterfly.
22	Choclospermum religiosum	Sonsawar	07	Medicinal value, Native species
23	Cordia dichotoma	Bhokar	04	Medicinal value, Edible fruits,
24	Dalbergia sisoo	Shisav	08	Medicinal value, Bird attracting species ,
25	Ficus arnottiana	Payar	04	Drought tolerant species, Bird attracting species. To control soil erosion.
26	Ficus glomerata	Umber	08	Medicinal value, Edible fruits, Bird attracting species
27	Ficus retusa	Nandruk	08	Medicinal value, Bird attracting species, Drought tolerant species, Hardy plant.
28	Mangifera indica	Mango	04	Edible fruit, Bird attracting species.
29	Michelia champaca	Sonchaffa	08	Fragrant flowers, Butterfly larvae host plant, Bird attracting species, Fast growing
30	Pongamia pinnata	Karanj	08	Medicinal value, Drought tolerant species, To control soil erosion. Hardy plant.
31	Syzygium cumini	Jamun	08	Medicinal value, Edible fruit.
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	1	1

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	22 kW
	DG set as Power back-up during construction phase	60 KVA
	During Operation phase (Connected load):	1441.86 KW
	During Operation phase (Demand load):	937.21 KW
	Transformer:	100 KVA
	DG set as Power back-up during operation phase:	100 KVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

1. Solar PV panels will be provided
2. Solar water heating will be provided

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Light Fittings in Common Areas, Passages, Parkings, Staircases & Terrace Floors.	8230.75 kWH per year
2	Landscape Lights (Bollards & Uplighters) - Light Fittings for Landscape Area	711.75 kWH per year
3	Solar Street Ligh Fitting on Pole - 5 Mtrs Height Pole.	3854.4 kWH per year

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
STP	Not applicable	1
OWC	NA	1

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 8.50 Lacs
	O & M cost:	Rs. 1.20 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	Air	Water For Dust Suppression	2.00
2	Air	Air & Noise Monitoring	2.00

3	Water	Tanker Water For Construction	3.00
4	Water	Water Monitoring	0.60
5	Land	Site Sanitation- Mobile toilets	4.80
6	Biological	Gardening Set Up and top soil preservation	3.30
7	Socio- Economic Environment	Disinfection- Pest Control	0.30
8	Socio- Economic Environment	First Aid Facilities	0.60
9	Socio- Economic Environment	Health Check Up	1.00
10	Socio- Economic Environment	Creches For Children	3.00
11	Socio- Economic Environment	Personal Protective Equipment	3.00
12	Total	Total	23.60

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	1 no STP cost considered	Rs. 19.70	Rs. 8.28
2	Rain Water Harvesting	6 no pit will be provided	Rs. 4.00	Rs. 1.00
3	Solid Waste Management	1 no OWC will be provided	Rs. 10.90	Rs. 1.50
4	Green Belt Development	RG will be provided	Rs. 3.00	Rs. 0.30
5	Energy Saving	Energy saving	Rs. 8.50	Rs. 1.20
6	Environmental Monitoring	MoEFCC approved laboratory EMP Costing	NA	Rs. 4.00
7	Total	Total	46.10	16.28

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	NA
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	2024 sqm
	Area per car:	12.50
	Area per car:	12.50
	Number of 2-Wheelers as approved by competent authority:	264
	Number of 4-Wheelers as approved by competent authority:	88
	Public Transport:	Yes
	Width of all Internal roads (m):	9 m and 6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	2
	Court cases pending if any	NA
	Other Relevant Informations	The project has received SEAC III committee recommendation in 29th meeting of the Committee as Item No. 32
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

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

Brief information of the project by SEAC

PP had submitted application for prior Environmental clearance for total plot area of 10000 m2, FSI area of 11984.89 m2, Non FSI area of 13327.39 m2 and total BUA of 25312.28 m2.

The building configuration of the proposal is as below:

1 Building P+11 Height 35.60 m

2 Building "B" P+11 Height 35.60m

3 Commercial (Part of Building A) G+2 Height 12.80m

4 Club House G+1 Height 7.0m

DECISION OF SEAC

The Committee noted that the proposal was already recommended for grant of EC in 29th SEAC-3 meeting.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. The proposal is considered as category 8(a)B2.

*SEAC decided to **refer** the proposal to SEIAA for further needful action as it is already recommended by SEAC in its 29th meeting of SEAC-3.*

Specific Conditions by SEAC:

FINAL RECOMMENDATION

Kindly find SEAC decision above.

101 SEAC-3 Day 02

SEAC Meeting number: 101 **Meeting Date** January 10, 2020

Subject: Environment Clearance for Expansion in residential cum commercial project

Is a Violation Case: No

1.Name of Project	Ganga Florentina
2.Type of institution	Private
3.Name of Project Proponent	Shree Balaji Realty
4.Name of Consultant	Pollution and Ecology Control Services
5.Type of project	Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in existing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes, previous EC vide no. SEAC 2012/CR 109/TC-2 dated 5th Feb 2015
8.Location of the project	S. No. 36 (P) and 28 (P)
9.Taluka	Haveli
10.Village	Mohammadwadi
Correspondence Name:	Mr. Annuj Goel
Room Number:	0
Floor:	Ground floor
Building Name:	San Mahu Complex
Road/Street Name:	Poona Club Road
Locality:	Camp
City:	Pune
11.Whether in Corporation / Municipal / other area	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	In process
	IOD/IOA/Concession/Plan Approval Number: Not applicable
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	Construction done 25944.90 sqm as per previous EC and sanction number vide XXX dated XXX
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	54484.06
16.Deductions	9422.31
17.Net Plot area	42976.29
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 96409.03
	b) Non FSI area (sq. m.): 50190.97
	c) Total BUA area (sq. m.): 146600
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 30342.67
	Approved Non FSI area (sq. m.): 5057.11
	Date of Approval: 05-02-2019
19.Total ground coverage (m2)	18700
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	43.51
21.Estimated cost of the project	1981081000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A (1)	G/P +P1 +15	49.95
2	B (1)	G/P + P +15	49.95
3	C (1)	G/P + P1 +15	49.95
4	D (1)	G/p + P1 +15	49.95
5	F (1)	B1+B2+G/P+P1+08	29.00
6	G(1)	B2+B1+G/P+P+08	20.30
7	H (1)	G/P + P1+ P 2+21	69.60
8	I (1) Wing I -1, Wing I-2	G/P + P1+ P2+ 21	69.60
9	Club House	G +1	7.45

23.Number of tenants and shops	872 + shops
24.Number of expected residents / users	Residential : 4360 commercial : 173
25.Tenant density per hectare	250 tenements /hector
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	18 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	A,B, C buildings, D commercial completed.
30.Details of the demolition with disposal (If applicable)	Temporary site office will 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	PMC
	Fresh water (CMD):	395
	Recycled water - Flushing (CMD):	201
	Recycled water - Gardening (CMD):	96
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	604
	Fire fighting - Underground water tank(CMD):	500
	Fire fighting - Overhead water tank(CMD):	25
	Excess treated water	260
Wet season:	Source of water	PMC
	Fresh water (CMD):	395
	Recycled water - Flushing (CMD):	201
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	593
	Fire fighting - Underground water tank(CMD):	500
	Fire fighting - Overhead water tank(CMD):	25
	Excess treated water	357
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	83	312	395	8	31	39	75	281	356

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Summer Season – 21.50 m. to 33.75 m. BGL. (27.63 m. Average) Rainy Season – 8.00 m. to 11.50 m. BGL. (9.75 m. Average) Winter Season – 14.75 m. to 22.63 m. BGL. (18.69 m. Average)
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	16 Nos. with bore + 14 No. Soak pits = Total 30 No
	Size of recharge pits :	a) 16 no. of 2.50 m. X 2.50 m. X 1.75 m. Depth with 40 to 60 m. Deep 6" Dia. Bore Well via 2 No. of de-siltation pits of 0.9 m. Dia. 1.0 m. Depth. & b) 14 no. of 1.0 m. X 1.0 m. X 1.00 m. Soak Pits
	Budgetary allocation (Capital cost) :	21.50 /- lakhs
	Budgetary allocation (O & M cost) :	0.30 lkahs p.a.
	Details of UGT tanks if any :	Domestic water : 595 KLD Fire tank: 500 KLD
35.Storm water drainage	**Natural water drainage pattern:**	As per contour
	Quantity of storm water:	25,046.32 m3 / Year
	Size of SWD:	250 mm - 600 mm
Sewage and Waste water	**Sewage generation in KLD:**	557
	STP technology:	MBBR
	Capacity of STP (CMD):	Existing STP 310 KLD Proposed STP: 275 KLD
	Location & area of the STP:	As per layout Area: 600 sqm
	Budgetary allocation (Capital cost):	146 /- lakhs
	Budgetary allocation (O & M cost):	15 lakhs p.a.
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	1 %
	Disposal of the construction waste debris:	Use for filling on same plot
Waste generation in the operation Phase:	**Dry waste:**	898
	Wet waste:	1325
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	30 kg/day
	Others if any:	E waste : 1087 kg/year

Mode of Disposal of waste:	**Dry waste:**	Through authorized vendor
	Wet waste:	mechanical composting unit
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	mechanical composting unit
	Others if any:	E waste- through authorized vendor
Area requirement:	**Location(s):**	As per layout
	Area for the storage of waste & other material:	35 sqm
	Area for machinery:	100 sqm
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	35 lakhs
	O & M cost:	5 /- lakhs p.a.

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	Not applicable	6.5 -8.5	6.5-7.5	Not applicable
2	BOD	mg/l	200-300	<10	<30
3	COD	mg/l	350-450	<30	not more than 250
4	TSS	mg/l	250	<10	not more than 100
5	TDS	mg/l	---	<1000	Not applicable
6	Oil and grease	mg/l	<50	<5	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 :**	4561.91
	No of trees to be cut :	29
	Number of trees to be planted :	614
	List of proposed native trees :	As per list
	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	Acrus sapota	Chikku	23	Fruit bearing tree,attracts birds
2	Syzygium cumini	Jambhul	23	Fruit bearing tree,attracts birds
3	Mangifera indica	Mango	23	Fruit bearing tree,attracts birds
4	Arthocarpus heterophyllus	Phanus	23	Fruit bearing tree
5	Carica papaya	Papaya	23	Fruit bearing tree
6	Murraya panuculata	Kunti	23	Blooms through out the year, flowers with excellent fragrance
7	Annona reticulata	Ramphal	23	Fruit Bearing Tree
8	Khaya grandis	Khaya	22	Fruit Bearing Tree, shady, deciduous
9	Tectona grandis	Saag	23	Deciduous , flowering tree
10	Mutingia calabura	Singapore cherry	22	Fast growing,medium size, fruit bearing tree,attract birds
11	Nyctanthesarbor-tristis	Prajakta	22	Fragrant Flowers
12	Saraca indica	Sita ashok	23	Evergreen tree with rounded crown and hardy tree
13	Anthocephyallus cadamba	Kadamb	23	Shady large tree, ball shaped flowers
14	Grewia tiliaefolia	Dhaman	23	Deciduous, drought resistant
15	Cassia fistula	Bahawa	23	Medium size deciduous tree. Grows in less soil or murum. Full of yellow flowers in summer season.
16	Largerstromia flos-reginae	Largerstromia	22	Medium size grow in dry/ arid climate
17	Michelia champaca	Son chafa	22	Medium size evergreen tree, fragrant yellow flowers
18	Ailanthus excelsa	Maharukh	23	Deciduous quick growing, shady
19	Butea monosperma	Palas	23	Used in forestation of saline and water logged regions

20	Albezzia lebbeck	Shirish	23	Quick growing, hardy, good soil binder, drought tolerant
21	Bahuinia racemosa	Apta	22	Deciduous, drought resistant
22	Cordia	Cordia	22	Fragrant Flowers
23	Azadirachta indica	Neem	23	Medicinal properties, quick growing, good air purifier
24	Pongamia pinnata	Karanj	23	It is larval host of butterflies, nitrogen fixing plant
25	Acrus phyllanthus embilica sapota	Amla	23	Medicinal properties
26	Psidium gujava	Peru	23	Fruit bearing tree,attracts birds
27	Bahuinia purpurea	Kanchan	23	Grow in less soil, drought resistant
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):	5030 KW
	During Operation phase (Demand load):	2415 KW
	Transformer:	4 X 630 KVA and 315 KVA X 1
	DG set as Power back-up during operation phase:	160 KVA X 1 and 320 KVA X 1 and 180 KVA X 1
	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	Solar PV cell	58050 KWH/Anum
2	Timer Logic Controller	95839 KWH/Anum
3	Electronic V3F drive for Lifts	37576 KWH/Annum
4	Solar Water Heater	1110816 KWH/Annum

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Water pollution	STP	STP
Solid waste	OWC	OWC

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	55 lakhs
	O & M cost:	4 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	Erosion control	dust suppressionmeasures, barricading and top soilpreservation	7.50
2	Site Sanitation & Safety	Mobile STP and proper storm and drainage lines	25.00
3	Disinfection	Pest control	7.50
4	Health check up	Health camp	12.50
5	Environmental monitoring	Air, water, soil and noise monitoring and analysis	2.00

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP	Installation, construction and operation	146	15
2	Solid Waste Management	Machine and raw material cost , installation and operation	35	5
3	Rain water harvesting	construction of pits, piping , bore well	21	5
4	Rain water harvesting	construction of pits, piping , bore well	21	5
5	Landscape	Plantation , lawn and maintainanace	107	21.50
6	Energy	Energy saving measures	55	4
7	Environmental monitoring	Air, water, soil and noise monitoring and analysis	0	1.60

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1
Parking details:	**Number and area of basement:**	Basement no. 2 Area: 13,766.08 sqm
	Number and area of podia:	Podium no. 2 : Area: 26199.02 sqm
	Total Parking area:	46,755.60 sqm
	Area per car:	35 sqm and 30 sqm
	Area per car:	35 sqm and 30 sqm
	Number of 2-Wheelers as approved by competent authority:	1900
	Number of 4-Wheelers as approved by competent authority:	1279
	Public Transport:	NA
	Width of all Internal roads (m):	NA
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8(a)
	Court cases pending if any	Yes

	Other Relevant Informations	court case is pending for violation of EIA notification 2006 since 2014. PP started construction of residential building without taking prior Environmental clearance. The construction done was below 20,000 sqm.
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

Brief information of the project by SEAC

PP had submitted application for prior Environmental clearance for total plot area of 54484.06 m2, FSI area of 96409.03 m2, Non FSI area of 50190.97 m2 and total BUA of 146600 m2.

The building configuration of the proposal is as below:

1	A (1)	G/P +P1 +15	Height 49.95 m
2	B (1)	G/P + P +15	Height 49.95m
3	C (1)	G/P + P1 +15	Height 49.95m
4	D (1)	G/p + P1 +15	Height 49.95m
5	F (1)	B1+B2+G/P+P1+08	Height 29.00m
6	G(1)	B2+B1+G/P+P+08	Height 20.30m
7	H (1)	G/P + P1+ P 2+21	Height 69.60m
8	I (1) Wing I -1, Wing I-2	G/P + P1+ P2+ 21	Height 69.60m
9	Club House	G +1	Height 7.45m

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

DECISION OF SEAC

During discussion following points emerged:

1. PP to submit master layout superimposing all environmental parameters.

2. PP to submit details of energy saving calculations.

3. PP to obtain and submit following NOC's: (a) Water supply NOC with quantity, (b) Drainage NOC. (c) CFO NOC, (d) Solid waste management, (e) Tree cutting.

4. PP to submit survival report of 255 exiting trees.

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

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

101 SEAC-3 Day 02

SEAC Meeting number: 101 **Meeting Date** January 10, 2020

Subject: Environment Clearance for Proposed Residential & Commercial development project Namely Berjaya Hills at S.No.79 (P) at Village - Dighi, Tal. Haveli, Dist. Pune, Maharashtra

Is a Violation Case: No

1.Name of Project	Berjaya Hills
2.Type of institution	Private
3.Name of Project Proponent	Mr. Prasad Pawar
4.Name of Consultant	M/s. Building Environment (I) Pvt. Ltd.
5.Type of project	Residential project
6.New project/expansion in existing project/modernization/diversification in existing project	Not applicable
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	S.No.79 (P)
9.Taluka	Haveli
10.Village	Dighi
Correspondence Name:	V -Square Properties LLP
Room Number:	Office No.202
Floor:	2nd Floor
Building Name:	B-Zone, Beside Vijay Sales
Road/Street Name:	Old Pune Mumbai Highway
Locality:	Pimpri
City:	Pune
11.Whether in Corporation / Municipal / other area	PCMC
12.IOD/IOA/Concession/Plan Approval Number	B.P./EC/Dighi/01/18 dt. 14/12/2018
	IOD/IOA/Concession/Plan Approval Number: B.P./EC/Dighi/01/18 dt. 14/12/2018
	Approved Built-up Area: 35391.45
13.Note on the initiated work (If applicable)	Not Applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	7738.46 Sq.m.
16.Deductions	2148.41 Sq.m.
17.Net Plot area	5590.05 Sq.m.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 15402.03
	b) Non FSI area (sq. m.): 19989.42
	c) Total BUA area (sq. m.): 35391.45
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 15402.03
	Approved Non FSI area (sq. m.): 19989.42
	Date of Approval: 14-12-2018
19.Total ground coverage (m2)	1754.02
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	31.37 % of Net Plot Area
21.Estimated cost of the project	661801180

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Wing A	MP + GP + 11	36.75
2	Wing B & C	MP + GP + 11	36.75
3	Wing D	MP + GP + 11	36.75
4	Club House	G + 1	7.20

23.Number of tenants and shops	Wing A – 66 Nos. Flat & Office – 38 Nos. Wing B – 86 Nos. Wing C – 86 Nos. Wing D- 86 Nos. Total – 324 Nos. Flat & 38 Nos. Office
24.Number of expected residents / users	Residential – 1620 Nos. Commercial – 108 Nos. Total – 1728 Nos.
25.Tenant density per hectare	250 / ha
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	18 m to 60.00 m wide D.P. road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Min. 9.0 m
29.Existing structure (s) if any	Not Applicable
30.Details of the demolition with disposal (If applicable)	Not Applicable

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	PCMC
	Fresh water (CMD):	148
	Recycled water - Flushing (CMD):	75
	Recycled water - Gardening (CMD):	04
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	227
	Fire fighting - Underground water tank(CMD):	100
	Fire fighting - Overhead water tank(CMD):	80
	Excess treated water	121
Wet season:	**Source of water**	PCMC
	Fresh water (CMD):	148
	Recycled water - Flushing (CMD):	75
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	223
	Fire fighting - Underground water tank(CMD):	100
	Fire fighting - Overhead water tank(CMD):	80
	Excess treated water	125
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:**	6-8 m bgl
	Size and no of RWH tank(s) and Quantity:	Not Applicable
	Location of the RWH tank(s):	Not Applicable
	Quantity of recharge pits:	5 nos.
	Size of recharge pits :	2 m x 2 m x 2 m
	Budgetary allocation (Capital cost) :	7.5 Lakh
	Budgetary allocation (O & M cost) :	0.3 Lakh
	Details of UGT tanks if any :	Domestic Water Tank – 132605 lt. Drinking Water Tank – 16200 lt. Firefighting – 100000 lt.
35.Storm water drainage	**Natural water drainage pattern:**	East to West
	Quantity of storm water:	286 m3
	Size of SWD:	150 mm & 200 mm dia pipes
Sewage and Waste water	**Sewage generation in KLD:**	210
	STP technology:	MBBR
	Capacity of STP (CMD):	1 Nos. 210 KLD
	Location & area of the STP:	Near Wing A & 168 Sq.m.
	Budgetary allocation (Capital cost):	20 Lakh
	Budgetary allocation (O & M cost):	7.82 Lakh
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Waste generation: waste concrete, excavated soil, broken bricks, waste plaster, metallic scrap etc.
	Disposal of the construction waste debris:	Construction waste will be generated from the building. It includes waste concrete, excavated soil, broken bricks, waste plaster, metallic scrap etc. Construction debris will be used for base course preparation
Waste generation in the operation Phase:	**Dry waste:**	340 kg/day
	Wet waste:	497 kg/day
	Hazardous waste:	Negligible
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	4.71 kg/day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Collected & Disposed by local body (Swach)
	Wet waste:	Treated in OWC
	Hazardous waste:	To Authorized Vendor
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as Manure
	Others if any:	NA
Area requirement:	**Location(s):**	At Ground Level near Wing A
	Area for the storage of waste & other material:	33.2 Sq.m.
	Area for machinery:	10.8 Sq.m. Total Area - 44 Sq.m.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	14.75 Lakh
	O & M cost:	3.11 Lakh

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	250 KVA-1 no. 150 KVA-1 no. DG set	HSD- 440 LIT. 300 LIT.	2	40	150 mm	350 DEG. C.

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	988.85 Sq.m.
	No of trees to be cut :	NA
	Number of trees to be planted :	81
	List of proposed native trees :	Attached
	Timeline for completion of plantation :	2.25 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	Cassia Fistula	Bahawa	08	Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plant.
2	Mangifera indica	Mango	06	Flowering and Fruit growing tree. Suitable for all types of soil. Medium logging to water tolerence.
3	Nyctanthes arbor-tristis	Parijatak	04	The flower is the official flower of the state of India.
4	Lagerstromia speciosa	Tamhan	06	State flower tree of Maharashtra Medium sized tree, beautiful purple flowers.
5	Syzygium cumini	Jambul	04	Flowering evergreen tropical tree, slow growing species, long life, dense foliage provides shade and is grown for its enviornmental value.
6	Murraya koenigii	Curry leaves	06	Butterfly host plant
7	Bauhinia Racemosa	Apta	04	Flowering shrub with religious significance
8	Cochlospermum religiosum	Sonsawar	05	Buttercup tree. Fruit is a brown splits open to release the black seeds which are covered with woolly white hairs.
9	Michella champaca	Sonchaffa	05	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
10	Dalbergia sisoo	Sissoo	05	Fast growing medium to large hardy deciduous rosewood.
11	Azadirachta indica	Neem	06	Fast growing large tree, evergreen good for roadside plantation, draught resistant, shade giving tree in summer also.
12	Anthocephalus kadamba	Kadamba	05	Shady, large deciduous tree, fastgrowing graceful tree, ball shaped flowers.
13	Ailanthus excelsa	Maharukh	04	Softwood tree. one of the best tree used to trap Suspended Particulate Matter (SPM)

14	Phyllanthus emblica	Awala	06	Decidous tree fruit with edible fruit.
15	Ficus microcarpa	Nandruk	07	Shady tree, good for roadside plantation
16		Total	81	
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	1 No. x 62.5 kVA
	During Operation phase (Connected load):	1534 kW
	During Operation phase (Demand load):	932 kW
	Transformer:	2 x 630 kVA
	DG set as Power back-up during operation phase:	1 no. x 250 kVA and 1 no. x 150 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Use of Energy Efficient Lighting and use of Energy generated Solar PV system for common area and solar hot water

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Use of Energy Efficient Lighting and use of Energy generated Solar PV system for common area and solar hot water	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:**	22.50 Lakh
	O & M cost:	0.75 Lakh

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water for Dust Suppression	-	5.00
2	Site Sanitation & Safety	-	5.00
3	Safety Awareness Training for Workers	-	7.00
4	Environmental Monitoring	-	3.00
5	Drinking water facility	-	5.00
6	Solid Waste management	-	3.00
7	Personnel Protective Equipment & Health Checks-Ups	-	5.00
8	Total	-	33.00

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Rain Water harvesting	-	7.5	0.3
2	Sewage Treatment Plant	-	20	7.82
3	Organic waste composting	-	14.75	3.11
4	Landscape & Tree Plantation	-	19.18	4.89
5	Solar hot water panel and PV Solar	-	27.24	15.93
6	DG Set	-	22.50	0.75
7	Environmental Monitoring	-	-	5
8	Total	-	111.17	23.48

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

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

52.Any Other Information

No Information Available

53.Traffic Management		
	Nos. of the junction to the main road & design of confluence:	NA
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	7318.87 Sq.m.
	Area per car:	Provided as per NBC Rules
	Area per car:	Provided as per NBC Rules
	Number of 2-Wheelers as approved by competent authority:	726
	Number of 4-Wheelers as approved by competent authority:	188 (Mechanical Parking -Lower Parking Floor)
	Public Transport:	NA
	Width of all Internal roads (m):	Min 6 m driveway, 12 m internal road at Entrance
	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	NA
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

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

Brief information of the project by SEAC

PP had submitted application for prior Environmental clearance for total plot area of 7738.46 m2, FSI area of 15402.03 m2, Non FSI area of 19989.42 m2 and total BUA of 35391.45 m2.

The building configuration of the proposal is as below:

1 Wing A MP + GP + 11 Height 36.75m

2 Wing B & C MP + GP + 11 Height 36.75m

3 Wing D MP + GP + 11 Height 36.75m

4 Club House G + 1 Height 7.20m

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

DECISION OF SEAC

During discussion following points emerged:

1. PP to submit details and drawings of internal storm water and sewer line up to final disposal point.

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

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

101 SEAC-3 Day 02

SEAC Meeting number: 101 **Meeting Date** January 10, 2020

Subject: Environment Clearance for Application for proposed expansion of Residential and Commercial Project "Paranjape Abhiruchi Parisar"

Is a Violation Case: No

1.Name of Project	"Paranjape Abhiruchi Parisar"
2.Type of institution	Private
3.Name of Project Proponent	Paranjape Schemes (Construction) Limited
4.Name of Consultant	Mahabal Enviro Engineers Pvt. Ltd., Thane, Maharashtra
5.Type of project	Housing Project- Residential and Commercial Project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in existing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes, We have received Environment Clearance from State Environment Impact Assessment Authority, Maharashtra vide no. SEIAA-EC-0000000270 Dated 04th May 2018)
8.Location of the project	Survey No. 24/1 (part) + 25, at village Dhayari Taluka-Haveli, District- Pune
9.Taluka	Haveli
10.Village	Dhayari
Correspondence Name:	Paranjape Schemes (Construction) Ltd.
Room Number:	-
Floor:	-
Building Name:	Blue Ridge
Road/Street Name:	Near Cognizant
Locality:	Rajiv Gandhi Infotech Park-Phase I
City:	Hinjawadi, Pune-411057
11.Whether in Corporation / Municipal / other area	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Sanction Plan received from Pune Municipal Corporation vide CC/0162/17 Dated 24/04/2017
	IOD/IOA/Concession/Plan Approval Number: Sanction Plan received from Pune Municipal Corporation vide CC/0162/17 Dated 24/04/2017
	Approved Built-up Area: 145387
13.Note on the initiated work (If applicable)	Construction work in in progress as per earlier Environment Clearance
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Sanction Plan received from Pune Municipal Corporation vide CC/0162/17 Dated 24/04/2017
15.Total Plot Area (sq. m.)	1,01,243 m2
16.Deductions	29,360 m2
17.Net Plot area	71,882 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 1,36,650 m2
	b) Non FSI area (sq. m.): 1,88,279 m2
	c) Total BUA area (sq. m.): 324929
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 93, 675 m2
	Approved Non FSI area (sq. m.): 51,712 m2
	Date of Approval: 24-04-2017
19.Total ground coverage (m2)	Residential building plinth area is 14,539 m2 (20%) & Ground coverage is 50% (Including parking area)
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	50%
21.Estimated cost of the project	6230000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Tower 1 – Wing 1A,1B,1C	LP+UP+Stilt+14 Floors	49.53
2	Tower 2 – Wing 2A, 2B	LP+UP+15 Floors	49.50
3	Tower 3 – Wing 3A,3B	LP+UP+Stilt+15 Floors	49.95
4	Tower 4- Wing 4A,4B,4C	LP+UP+Stilt+15 Floors	49.95
5	Tower 5 – Wing 5A,5B,5C	LP+UP+Stilt+15 Floors	49.95
6	Tower 6 –Wing 6A,6B,6C	LP+UP+Stilt+15 Floors	49.95
7	Tower 7 – Wing 7A,7B	LP+UP+15 Floors	49.5
8	Tower 8 – Wing A	LP+UP+13 Floors	44.9
9	Tower 9 – Wing B	LP+UP+14 Floors	47.80
10	Tower 10 – Wing C	LP+UP+14 Floors	49.95
11	MHADA-1 Wing A	P+11 Floors	34.95
12	MHADA-1 Wing B	P+11 Floors	34.95
13	MHADA-2	P+11 Floors	35.25
14	Club House -1	G+1 Floors	10.65
15	Club House -2	G+1 Floors	10.65
16	Club House -3	G+1 Floors	10.65

23.Number of tenants and shops	2,632 nos. of Tenements 38 Nos. of Shops
24.Number of expected residents / users	Total Population- 13,410 nos. (Residential – 13,160 nos. Commercial – 250 Nos.)
25.Tenant density per hectare	350/Ha.
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	9m,12m,18m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	Existing constructed buildings as per environment clearance
30.Details of the demolition with disposal (If applicable)	Not Applicable

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	Pune Municipal Corporation (PMC)
	Fresh water (CMD):	1,203 m3
	Recycled water - Flushing (CMD):	593 m3
	Recycled water - Gardening (CMD):	45 m3
	Swimming pool make up (Cum):	2 m3
	Total Water Requirement (CMD) :	1,796 m3
	Fire fighting - Underground water tank(CMD):	1,575 m3
	Fire fighting - Overhead water tank(CMD):	20 m3 each wing
	Excess treated water	904 m3
Wet season:	**Source of water**	Pune Municipal Corporation (PMC)
	Fresh water (CMD):	1,203 m3
	Recycled water - Flushing (CMD):	593 m3
	Recycled water - Gardening (CMD):	23 m3
	Swimming pool make up (Cum):	2 m3
	Total Water Requirement (CMD) :	1,796 m3
	Fire fighting - Underground water tank(CMD):	1,575 m3
	Fire fighting - Overhead water tank(CMD):	20 m3 each wing
	Excess treated water	926 m3
Details of Swimming pool (If any)	Swimming pool: 2 nos. (Main pool and Kids Pool) Area: 26 m x 8 m x 1.2 m depth and 6.30 m x 8.09 m x 1.2 m depth Total water requirement for the makeup: 2,000 lit/day Area of the pool: 310 m2	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	10-15 meter below ground level
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	25 Nos.
	Size of recharge pits :	1.5 m X 1.5 m X 2.5 m Depth
	Budgetary allocation (Capital cost) :	Rs. 25 Lakh
	Budgetary allocation (O & M cost) :	Rs. 1 Lakh/Year
	Details of UGT tanks if any :	1. Domestic -1,786 m3 2. Flushing – 597 m3 3. Fire Fighting – 1,575 m3
35.Storm water drainage	**Natural water drainage pattern:**	By gravity
	Quantity of storm water:	3m3/sec
	Size of SWD:	1200 mm x 700 mm
Sewage and Waste water	**Sewage generation in KLD:**	1,616 m3
	STP technology:	MBBR
	Capacity of STP (CMD):	Total 6 no. of STP having total capacity: 1,690 m3/day [1 no. x 900 m3/day (3 no. x 300 m3/day), 1 no. x 510 m3/day (2 no. x 255 m3/day), 1 no. x 280 m3/day]
	Location & area of the STP:	Location On ground
	Budgetary allocation (Capital cost):	Rs. 180 Lakh
	Budgetary allocation (O & M cost):	Rs. 10 Lakh/year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	7000 m3
	Disposal of the construction waste debris:	Top soil will be used for landscaping. The construction debris will be utilized at site for Road Paving and plinth filling
Waste generation in the operation Phase:	**Dry waste:**	2647 kg/day
	Wet waste:	3970 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	16 kg/day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Dry garbage will be segregated and will be handed over to recycler
	Wet waste:	Wet waste will be composted and used as organic manure for landscaping
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Dry sludge will be used as manure for landscaping
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	Stilt floor
	Area for the storage of waste & other material:	233m2
	Area for machinery:	60 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 52 Lakh
	O & M cost:	Rs. 5 Lakh/ year

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	9010 m2
	No of trees to be cut :	Not Applicable
	Number of trees to be planted :	2,096 Nos.
	List of proposed native trees :	Provided
	Timeline for completion of plantation :	6 months after completion of project.

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azardiracta indica	Neem	160	Large, shady, evergreen tree having medicinal properties
2	Bahunia pupurea	Kanchan	172	Evergreen tree, Fast growing, Ornamental, flowering tree
3	Cassia fistula	Golden Shower	110	Medium sized deciduous tree, Beautiful yellow flowers and Butterfly host plant.
4	Caryota urens	Fishtail palm	289	Tree Tolerate dry condition. Good for garden planting.
5	Erythrina indica	Pangara	174	Flowering and spreading tree with brilliant Red blossoms, high value ornamental tree.
6	Lagestromia flosreginae	Tamhan	163	State flower tree of Maharashtra, Medium sized tree, has beautiful purple flowers
7	Mimisops elengii	Bakul	112	Shady tree bearing white fragrant flowers
8	Michelia champaca	Sonchafa	67	Medium sized evergreen and shady tree having fragrant flowers
9	Milingtonia hortensis	Indian cork tree	141	Tall deciduous tree having medicinal properties.
10	Mangifera indica	Mango	67	Large evergreen fruit bearing tree.
11	Murraya paniculata	Kunti	156	Small hardy tree bearing fragrant flowering with medicinal properties
12	Plumeria alba	Chafa	109	Small sculptural tree bearing flowers. Hardy tree good for garden plantation.
13	Saraca asoca	Sita Ashok	66	Small evergreen tree bearing bright flowers. Good for garden plantation.
14	Terminalia mantaly	Umbrella tree	43	Evergreen tree with sculptural branching pattern. Good for garden plantation.
15	Delonix regia	Gulmohar	21	Medium sized deciduous tree bearing bright red flowers. Drought resistant tree.
16	Annona Reticulata	Ramphal	68	Small deciduous semi-evergreen fruit bearing tree.

17	Ficus Glomerata	Umber	37	Medium sized evergreen fig tree, spraying crown, attracts birds.
18	Phyllanthus Emblica	Awala	52	Medium sized deciduous tree with spherical, light greenish yellow fruits, having medicinal property.
19	Syzygium Cumini	Jambhul	42	Evergreen tropical fruit bearing tree having medicinal properties, attracts birds.
20	Ziziphus Mauritiana	Bor	47	Medium sized subtropical tree having small berry like fruit, attracts birds, host plant for butterfly.
21	Total no. of proposed trees	-	2,096	-
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)	100 kVA
	DG set as Power back-up during construction phase	1 X 125 kVA
	During Operation phase (Connected load):	10,282 kW
	During Operation phase (Demand load):	6,855 kW
	Transformer:	9 nos. x 630 kVA & 1 no. x 315 kVA
	DG set as Power back-up during operation phase:	3 no. x 250 kVA , 2 nos. x 160 kVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Solar water heating system

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar water heating system	100 %
2	Overall energy saving	6.26 %

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 80 Lakh
	O & M cost:	Rs. 8 Lakh/year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water for dust suppression	15
2	Socio- Economic Environment	Site sanitation, Toilets, STP, safe drinking water	20
3	-	Disinfection at site	5
4	-	Health check-up for workers, first aid kit	7
5	-	Safety net	5
6	Environment management	For Air, Noise, Water Analysis	3
7	-	Site fencing & noise barrier	2
8	-	Traffic management	2
9	-	Storm water management	5
10	-	Vehicle maintenance, washing area, tyre cleaning	3
11	-	Tree plantation & water utilization	5
12	Training and awareness	Safety personal protective equipment & Training programs	5
13	Total	-	77

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage treatment plant	Total 6 no. of STP having total capacity: 1,690 m3/day	180	10
2	Storm Water Management	-	15	1
3	Rain Water Harvesting	25 Nos. of recharge pits	25	1
4	Land Environment (Solid Waste Management)	-	52	5

5	Landscape development	-	15	2
6	Environmental Monitoring	MoEF Approved Lab	-	5
7	Energy Conservation	-	80	8
8	Fire Fighting System	-	20	2
9	Total	-	387	34

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	2 No.
Parking details:	**Number and area of basement:**	Not Applicable
	Number and area of podia:	2 Nos. of Podium – 33,179 m2 area
	Total Parking area:	81,830 m2
	Area per car:	30 m2 for stilt/podium parking
	Area per car:	30 m2 for stilt/podium parking
	Number of 2-Wheelers as approved by competent authority:	5,603 Nos.
	Number of 4-Wheelers as approved by competent authority:	2,357 Nos.
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	Not Applicable

	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	8(b) B1
	Court cases pending if any	Not Applicable
	Other Relevant Informations	This project has received Environment Clearance from Environment Department, GoM vide no. SEAC-III/CR 131/TC-3 Dated 28th January 2016 and amendment in environment clearance vide SEIAA-EC-0000000279 Dated 04th May 2018. The construction work is in progress as per received Environment Clearance.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	20-11-2017

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

Brief information of the project by SEAC

PP had submitted application for prior Environmental clearance for total plot area of 101243 m2, FSI area of 136650 m2, Non FSI area of 188279 m2 and total BUA of 324929 m2.

The building configuration of the proposal is as below:

1	Tower 1 – Wing 1A,1B,1C	LP+UP+Stilt+14 Floors	Height 49.53m
2	Tower 2 – Wing 2A, 2B	LP+UP+15 Floors	Height 49.50m
3	Tower 3 – Wing 3A,3B	LP+UP+Stilt+15 Floors	Height 49.95m
4	Tower 4- Wing 4A,4B,4C	LP+UP+Stilt+15 Floors	Height 49.95m
5	Tower 5 – Wing 5A,5B,5C	LP+UP+Stilt+15 Floors	Height 49.95m
6	Tower 6 –Wing 6A,6B,6C	LP+UP+Stilt+15 Floors	Height 49.95m
7	Tower 7 – Wing 7A,7B	LP+UP+15 Floors	Height 49.5m
8	Tower 8 – Wing A	LP+UP+13 Floors	Height 44.9m
9	Tower 9 – Wing B	LP+UP+14 Floors	Height 47.80m
10	Tower 10 – Wing C	LP+UP+14 Floors	Height 47.80m
11	MHADA-1 Wing A	P+11 Floors	Height 34.95m
12	MHADA-1 Wing B	P+11 Floors	Height 34.95m
13	MHADA-2	P+11 Floors	Height 35.25m
14	Club House -1	G+1 Floors	Height 10.65m
15	Club House -2	G+1 Floors	Height 10.65m
16	Club House -3	G+1 Floors	Height 10.65m

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

DECISION OF SEAC

PP has satisfactorily complied with the points raised in 88th meeting of SEAC-3.

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

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

101 SEAC-3 Day 02

SEAC Meeting number: 101 **Meeting Date** January 10, 2020

Subject: Environment Clearance for Proposed Housing scheme "Khadkale Phase II" at S. no. 112/1C, 112/2/1, 115/1 (P), Khadkale, Tal. Maval, Pune by M/s. Sapphire Developers

Is a Violation Case: No

1.Name of Project	Proposed Housing scheme "Khadkale Phase II" at S. no. 112/1C, 112/2/1, 115/1 (P), Khadkale, Tal. Maval, Pune by M/s. Sapphire Developers
2.Type of institution	Private
3.Name of Project Proponent	Mr. Ravi Shah
4.Name of Consultant	J M EnviroNet Pvt Ltd (Ms. Sayali Jagtap-EIA Co-ordinator-9960159156)
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	No
8.Location of the project	S. no. 112/1C, 112/2/1, 115/1 (P)
9.Taluka	Maval
10.Village	Khadkale
Correspondence Name:	M/s. Sapphire Developers
Room Number:	46/47
Floor:	-
Building Name:	Shail Deep
Road/Street Name:	Panchavati Colony
Locality:	Talegaon Dabhade
City:	Pune
11.Whether in Corporation / Municipal / other area	Pune Metropolitan Region Development Authority (PMRDA)
12.IOD/IOA/Concession/Plan Approval Number	Applied
	IOD/IOA/Concession/Plan Approval Number: Applied
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	21486.50 Sq. m
16.Deductions	7792.90 Sq. m
17.Net Plot area	13693.60 sq.m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 20985.05 sq. m
	b) Non FSI area (sq. m.): 8422.69 sq. m
	c) Total BUA area (sq. m.): 29407.74
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval: 01-01-1900
19.Total ground coverage (m2)	3188.74 sq. m
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	14.84 %
21.Estimated cost of the project	380000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building C1C2	Parking + 10 floors	32.05 m
2	Building C3C4	Parking + 10 floors	32.05 m
3	Building D1D2	Parking + 07 floors	23.35 m
4	Building D3D4	Parking + 07 floors	23.35 m
5	Building E1E2	Parking + 07 floors	23.35 m

23.Number of tenants and shops	Residential : 440 no's
24.Number of expected residents / users	Residential Population : 2200
25.Tenant density per hectare	250 per Ha
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Existing 40 m road from the nearest talegaon Dabhade MIDC fire station.
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.00 m
29.Existing structure (s) if any	Not applicable
30.Details of the demolition with disposal (If applicable)	Not applicable

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	Grampanchayat Khadkale
	Fresh water (CMD):	198.45
	Recycled water - Flushing (CMD):	99.23
	Recycled water - Gardening (CMD):	10
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	307.68
	Fire fighting - Underground water tank(CMD):	100
	Fire fighting - Overhead water tank(CMD):	25
	Excess treated water	158.68
Wet season:	**Source of water**	Grampanchayat Khadkale
	Fresh water (CMD):	198.45
	Recycled water - Flushing (CMD):	99.23
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	297.68
	Fire fighting - Underground water tank(CMD):	100
	Fire fighting - Overhead water tank(CMD):	25
	Excess treated water	168.68
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:**	4.7 m BGL
	Size and no of RWH tank(s) and Quantity:	Not applicable
	Location of the RWH tank(s):	Not applicable
	Quantity of recharge pits:	05 no's
	Size of recharge pits :	1.5 m X 1.5 m X 2 m= 2 Nos 1.5 m X1.5 mX1.4 m= 1 Nos 1.5 m X1.5 mX1.6 m= 1 Nos 1 m X 1 m X 2m= 1 Nos
	Budgetary allocation (Capital cost) :	Rs. 2,90,000 /-
	Budgetary allocation (O & M cost) :	Rs. 58,000 /-
	Details of UGT tanks if any :	Domestic UGT capacity : 297.68 KLD Flushing UGT capacity : 163.84 KLD Fire UGT capacity : 100 KLD
35.Storm water drainage	**Natural water drainage pattern:**	As per contour
	Quantity of storm water:	533.41 m3/hr
	Size of SWD:	600 mm
Sewage and Waste water	**Sewage generation in KLD:**	267.91 KLD
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	280 KLD
	Location & area of the STP:	Area : 140 sq. m
	Budgetary allocation (Capital cost):	Rs. 45,80,000 /-
	Budgetary allocation (O & M cost):	Rs. 12,00,000 /-
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	30 kg/day
	Disposal of the construction waste debris:	Will be reused within site premises.
Waste generation in the operation Phase:	**Dry waste:**	440 kg/day
	Wet waste:	660 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	24.05 kg/day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	To Authorized vendor
	Wet waste:	Treatment of OWc
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be used as a manure
	Others if any:	NA
Area requirement:	**Location(s):**	Near Building D3D4
	Area for the storage of waste & other material:	12 sq.m
	Area for machinery:	48 sq. m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 20,25,000 /-
	O & M cost:	Rs. 4,79,502 /-

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 :**	Open space 1: 1160. 21 sq. m Open space 2 : 456.86 sq. m
	No of trees to be cut :	0
	Number of trees to be planted :	0
	List of proposed native trees :	279 no's
	Timeline for completion of plantation :	Up to completion of project

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Erythrina stricta	Ranpangara	26	Birds attracting , medicine tree
2	Thespesia populnea	Ranbhendi	16	Flowering plant,ever green, bird catching, medicinal plant
3	Bahunia Purpurea	Purple orchid	40	Beatiful and fragnant, classic orchid like flowers
4	Swietenia mahagoni	Mahagany	34	Toll tree attracting to birds and use for medicine purpose, shady tree also control on pollution.
5	Spathodea campanulata	African Tulip	51	Large Evergreen, Dense, flowering tree, Bird Nesting, shady tree.
6	Pheltophorum pterocarpum	Yellow flamboyant	44	Shade tree, flowring plant, frangrance tree
7	Syzygium cumini	Jambhul	8	Evergreen tree,fruit bearing, birds attracting, medicine use plant and shady tree control pollution
8	Terminalia catappa	Indian Almond	16	Straight tree attracting to birds, fruit tree, medical important's.
9	Millingtonia hortensis	Indian cork tree	29	Ornamental, Birds Attracting, Pleasant fragrance tree & garden tree.
10	Pongamia	Karanj	9	Flowering plant, medicine use, pollinators bees, bird catching.
11	Wodyetia bifurcata	Fox tail palm	6	Ornamental tree, beatification
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)	30 KVA
	DG set as Power back-up during construction phase	40 KVA
	During Operation phase (Connected load):	1653 KVA
	During Operation phase (Demand load):	1322 KVA
	Transformer:	22 KV/630 KVA & 22 KV/315 KVA
	DG set as Power back-up during operation phase:	180 KVA
	Fuel used:	HSC
	Details of high tension line passing through the plot if any:	No

48.Energy saving by non-conventional method:

• Solar Water Heating Systems Will Be Done For Bathrooms.
• Solar lights will be provided for common amenities like Street lighting & Garden lighting.
• CFL & LED based lighting will be done in the common areas, landscape areas, signage's, Entry gates and boundary compound walls etc.
• Auto Timer Switches will be provided for Street lights, Garden lights, Parking & staircase Lights & Other Common Area Lights, for saving electrical energy.
• Water Level Controllers With Timers will be Used for Water Pumps.
• To create awareness to end consumer or flat owner, for using energy efficient light fittings like CFL, T5 Lamps & LED Lights

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	CFL & LED based lighting for common areas + Solar lights + Solar hot water systeam + Water level controllers+Auto timer switch	18 %

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 79,60,000 /-
	O & M cost:	Rs. 2,00,000 /-

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

1	Air	Erosion control – dust suppression measures and barricading	Rs. 1,06,000 /-
2	Land	Site Sanitation	Rs. 26,500 /-
3	Health & Safety	Site Safety	Rs. 88,000 /-
4	Environment Management	Environmental Monitoring	Rs. 1,20,000 /-
5	Health & Safety	Disinfection and Health Check-ups	Rs. 45,000 /-

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	1 STP	Rs. 45,80,000 /-	Rs. 12,00,000 /-
2	Rain Water Harvesting	5 no's	Rs. 2,90,000 /-	Rs. 58,000 /-
3	Solid Waste Management	1 OWC	Rs. 20,25,000 /-	Rs. 4,79,502 /-
4	Green Belt Development	279 no's of trees	Rs. 3,97,000/-	Rs. 79,400 /-
5	Solar System	Solar hot water +PV cells	Rs. 79,60,000 /-	Rs. 2,00,000 /-
6	Environmental Monitoring	Environment Management	-	Rs. 1,20,000 /-

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	40 m wide existing road

Parking details:	**Number and area of basement:**	No
	Number and area of podia:	No
	Total Parking area:	3042 Sq. m
	Area per car:	12.5 sq. m per car as per DC rule
	Area per car:	12.5 sq. m per car as per DC rule
	Number of 2-Wheelers as approved by competent authority:	Scooters : 770 , Cycles : 770
	Number of 4-Wheelers as approved by competent authority:	77 no's
	Public Transport:	Pune city buses
	Width of all Internal roads (m):	6.00 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	None within 10 km
	Category as per schedule of EIA Notification sheet	B2
	Court cases pending if any	No
	Other Relevant Informations	No
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	20-10-2016

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

PP had submitted application for prior Environmental clearance for total plot area of 21486.50 m2, FSI area of 20985.05 m2, Non FSI area of 8422.69 m2 and total BUA of 29407.74 m2.

The building configuration of the proposal is as below:

1	Building C1C2	Parking + 10 floors	Height 32.05 m
2	Building C3C4	Parking + 10 floors	Height 32.05 m
3	Building D1D2	Parking + 07 floors	Height 23.35 m
4	Building D3D4	Parking + 07 floors	Height 23.35 m
5	Building E1E2	Parking + 07 floors	Height 23.35 m

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

DECISION OF SEAC

PP has satisfactorily complied with the points raised in 72nd meeting of SEAC-3.

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

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

101 SEAC-3 Day 02

SEAC Meeting number: 101 **Meeting Date** January 10, 2020

Subject: Environment Clearance for New Commercial project Clover Hills Plaza

Is a Violation Case: Yes

1.Name of Project	"Clover Hills Plaza" at Amenity Space 1 , S.No. 27, H.No. 2,3,4,7,6A/1,8/1 and H.No. 6A/2 6B,8/2, out of H.No. 5 , Plot no 5+6+7+14+15+16+17 (P) –Kondhwa (Kh) , Tal- Haveli, Dist- Pune, State – Maharashtra.
2.Type of institution	TOR
3.Name of Project Proponent	CLOVER BUILDCORP
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. 27, H.No. 2,3,4,7,6A/1,8/1 and H.No. 6A/2 6B,8/2, out of H.No. 5 , Plot no 5+6+7+14+15+16+17 (P)
9.Taluka	Haveli
10.Village	Kondhwa
Correspondence Name:	Shubhangi Harpale
Room Number:	204
Floor:	NA
Building Name:	Clover centre
Road/Street Name:	Moledina road
Locality:	camp
City:	Pune
11.Whether in Corporation / Municipal / other area	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Plan sanctioned under CC/0058/18 dated 06-04-2018
	IOD/IOA/Concession/Plan Approval Number: Plan sanctioned under CC/0058/18 dated 06-04-2018
	Approved Built-up Area: 16670.15
13.Note on the initiated work (If applicable)	C1 building 80 % completed , C2 not commenced yet
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	13000.69
16.Deductions	0
17.Net Plot area	13000.69
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 16670.15
	b) Non FSI area (sq. m.): 45574.65
	c) Total BUA area (sq. m.): 62245
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 16670.15
	Approved Non FSI area (sq. m.): 45574.65
	Date of Approval: 06-04-2018
19.Total ground coverage (m2)	3311.99
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	25.47
21.Estimated cost of the project	11000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	C1	3 Basements + 2 P + 10 Floors	40.83 m
2	C2	2 Basements + 2 P + 2 Floors	18 m

23.Number of tenants and shops	266 Shops , 165 Offices and 14 Restaurants
24.Number of expected residents / users	Residential user : 3643 nos
25.Tenant density per hectare	345 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)	24 m , 9 km away from Katraj Fire station
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**	PMC
	Fresh water (CMD):	36
	Recycled water - Flushing (CMD):	128
	Recycled water - Gardening (CMD):	15
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	179
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	50
	Excess treated water	10
Wet season:	**Source of water**	PMC
	Fresh water (CMD):	36
	Recycled water - Flushing (CMD):	128
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	164
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	50
	Excess treated water	25
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:**	Pre mansoon 7.9 m Post mansson 6 m
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	1 no Dug well
	Size of recharge pits :	Dia 6.8 m , depth 11.2 m
	Budgetary allocation (Capital cost) :	20 lacs
	Budgetary allocation (O & M cost) :	1.5 lacs
	Details of UGT tanks if any :	NA
35.Storm water drainage	**Natural water drainage pattern:**	N to W
	Quantity of storm water:	338 LPS
	Size of SWD:	600 MM DIA
Sewage and Waste water	**Sewage generation in KLD:**	139 KLD
	STP technology:	RMBR
	Capacity of STP (CMD):	140KL
	Location & area of the STP:	Basement 1
	Budgetary allocation (Capital cost):	30 Lacs
	Budgetary allocation (O & M cost):	4.5 Lacs per year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	25KG/DAY
	Disposal of the construction waste debris:	USED WITHIN SITE
Waste generation in the operation Phase:	**Dry waste:**	328
	Wet waste:	218
	Hazardous waste:	NIL
	Biomedical waste (If applicable):	NIL
	STP Sludge (Dry sludge):	0.6 kg per day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Handed over to authorized recyclers
	Wet waste:	Mechanical composting unit
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as Manure
	Others if any:	NA
Area requirement:	**Location(s):**	In service yard area
	Area for the storage of waste & other material:	35.5 sqm
	Area for machinery:	7.5 sqm
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	10 Lacs
	O & M cost:	0.75 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	SPENT OIL	5.1	Litre/DG/annum	Not applicable	295.8	295.8	Will be handed to MPCB authorized vendor

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	1	HSD - 61.2 Litres/hr on average 75% load	6No's	8	0.152	550°C +/-50°C

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	NA
	No of trees to be cut :	23
	Number of trees to be planted :	163
	List of proposed native trees :	163
	Timeline for completion of plantation :	Till the completion of the project

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Callistemon Myrtaceae	RED BOTTLE BRUSH	17	Flower bearing tree
2	Azadircata indica	NEEM	4	medicinal tree
3	Bauhinia Blacknea	PURPLE ORCHID	8	Flower bearing tree
4	Ficus benjamina	WEEPING FIG	34	Evergreen tree
5	Plumeria alba	CHAFA/PLUMERIA ALBA	2	Flower bearing tree
6	Spathodea Campanulata	AFRICAN TULIP TREE	5	Flower bearing tree
7	Millingtonia hortensis	BUCH	41	Flower bearing tree
8	Mlmusops elengi	BAKUL	1	Flower bearing tree
9	Cordia Sabestena	GEIGER TREE	1	Flower bearing tree
10	Alstonia Scholaris	SATWIN	24	Evergreen tree
11	Lagerstroemia flosregineae	TAMHAN	16	Flower bearing Evergreen tree
12	Cassia Renigera	GULABI BAHAVA	5	Flower bearing deciduous tree
13	Schleichera Oleosa	KUSUM	6	Flower bearing deciduous tree
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	20 KW
	DG set as Power back-up during construction phase	2 NOS OF 82.5 KVA
	During Operation phase (Connected load):	3723.17 KW
	During Operation phase (Demand load):	2659.03 KW
	Transformer:	1000KVA-2 No's ; 630KVA-2No's
	DG set as Power back-up during operation phase:	625KVA-3No's and 625KVA for future
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	Not any

48.Energy saving by non-conventional method:

Use of high efficacy lighting fixtures – T5, CFL's with electronic ballasts ,solar PV and solar water heating.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Use of high efficacy lighting fixtures – T5, CFL's with electronic ballasts ,solar PV and solar water heating.	by using LED Lights 42.17% Energy saved

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
SEWAGE	0	STP
EMISSION		DG
MSW		OWC

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	30 lacs
	O & M cost:	3.00 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	Air Environment	Water For Dust Suppression Air & Noise Monitoring	1.05
2	Water Environment	Tanker Water For Construction Water Monitoring	1.56
3	Land Environment	Mobile toilets	2.52

4	Biological environment	Gardening	5.0
5	Socio Economic Environment	Disinfection- Pest Control First Aid Facilities Health Check Up Creches For Children Personal Protective Equipment	3.82

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Environmental Monitoring	Ambient Air quality, Noise Level, Exhaust from DG Set, Drinking Water, Sewage from STP, As per EP act, Manure	MoEF approved laboratory	0.50 lacs
2	RWH	No. of pits	20 lacs	3.00 lacs
3	STP	Waste water treatment	30 lacs	3.00 lacs
4	Electrical	Solar PV	30 lacs	3.00 lacs
5	Gardening	Landscape development	50 lacs	5.00 lacs
6	Solid waste	For solid waste treatment	10 lacs	1.00 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:	Traffic generated from this project will confluent on 24 m wide road

Parking details:	**Number and area of basement:**	No of basements: 3 in C1 and 2 in C2 Area of Basements: 19513 m2
	Number and area of podia:	0
	Total Parking area:	16090 m2
	Area per car:	29.25 m2
	Area per car:	29.25 m2
	Number of 2-Wheelers as approved by competent authority:	1553
	Number of 4-Wheelers as approved by competent authority:	550
	Public Transport:	Nearest Bus Stop: NIBM
	Width of all Internal roads (m):	6m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8(a)
	Court cases pending if any	no
	Other Relevant Informations	not any
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	12-07-2017

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

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

Brief information of the project by SEAC

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

DECISION OF SEAC

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

Specific Conditions by SEAC:

FINAL RECOMMENDATION

Kindly find SEIAA decision above.

101 SEAC-3 Day 02

SEAC Meeting number: 101 **Meeting Date** January 10, 2020

Subject: Environment Clearance for Proposed Residential & Commercial project at S. no. 123/1/2 & S. no. 123/1/3, Wadmukhwadi, Tal. Haveli, Pune by M/s. EXPAT Properties

Is a Violation Case: Yes

1.Name of Project	Proposed Residential & Commercial project at S. no. 123/1/2 & S. no. 123/1/3, Wadmukhwadi, Tal. Haveli, Pune by M/s. EXPAT Properties
2.Type of institution	TOR
3.Name of Project Proponent	Mr. Anil Kakade
4.Name of Consultant	J M EnviroNet Pvt Ltd, Sayali Jagtap, EIA Co-ordinator, 9960159156
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	Yes. Environment Clearance no. 21-1124/2007-IA-III/TCI dated 05.05.2009
8.Location of the project	S. no. 123/1/2 & S. no. 123/1/3, Wadmukhwadi, Tal. Haveli, Pune.
9.Taluka	Haveli
10.Village	Wadmukhwadi
Correspondence Name:	Sayali Jagtap
Room Number:	F3
Floor:	First floor
Building Name:	Dindayal nagar
Road/Street Name:	Medical college road
Locality:	Katraj
City:	Pune
11.Whether in Corporation / Municipal / other area	Pimpri Chinchwad Municipal Corporation (PCMC)
12.IOD/IOA/Concession/Plan Approval Number	Received
	IOD/IOA/Concession/Plan Approval Number: BP/ENV/Wadmukhwadi/01/2020 dated 15.01.2020
	Approved Built-up Area: 70206.54
13.Note on the initiated work (If applicable)	Total constructed area : 54343.36 sq. m
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	36300 sq. M
16.Deductions	16248.56 sq. M
17.Net Plot area	20051.48 sq. M
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 35695.43 sq. m
	b) Non FSI area (sq. m.): 34511.11 sq. m
	c) Total BUA area (sq. m.): 70206.54
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 35695.43 sq. m
	Approved Non FSI area (sq. m.): 34511.11 sq. m
	Date of Approval: 15-01-2020
19.Total ground coverage (m2)	5269.04 sq. M
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	26.27 %
21.Estimated cost of the project	980000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Row house R1 to R12	Ground +1 floor	6.25 m
2	Villa 1-10	Ground +1 floor	6.28 m
3	Building A1	Parking +11 floors	35.14 m
4	Building A2	Parking +11 floors	34.99 m
5	Building A3	Parking +11 floors	34.99 m
6	Building A4	Parking +11 floors	34.99 m
7	Building A5	Parking +11 floors	34.99 m
8	Building A6	Lower Parking + Upper Parking + 10 floors	35.72 m
9	Building A7	Basement + Parking +12 floors	41.58
10	Amenity (Commercial)	Lower Ground + Ground + 4 floors	17.83
11	Club house	Ground +1 floor	6.28 m

23.Number of tenants and shops	Residential : 424 no's Commercial building
24.Number of expected residents / users	Residential : 2120 Floating population : 438 no's
25.Tenant density per hectare	250 /ha
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	60.00 wide Pune Alandi road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.00 m
29.Existing structure (s) if any	Row house R1 to R12 : Ground +1 floor Villa 1-10 : Ground +1 floor Building A1 : Parking +11 floors Building A2 : Parking +11 floors Building A3 : Parking +11 floors Building A4 : Parking +11 floors Building A5 : Parking +11 floors Building A6 : Lower Parking + Upper Parking + 10 floors Club house : Ground + 1 Swimming pool
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**	PCMC
	Fresh water (CMD):	201.75
	Recycled water - Flushing (CMD):	104.16
	Recycled water - Gardening (CMD):	18.44
	Swimming pool make up (Cum):	5
	Total Water Requirement (CMD) :	329.32
	Fire fighting - Underground water tank(CMD):	450
	Fire fighting - Overhead water tank(CMD):	150 (all buildings)
	Excess treated water	138.95
Wet season:	**Source of water**	PCMC
	Fresh water (CMD):	201.75
	Recycled water - Flushing (CMD):	104.16
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	5
	Total Water Requirement (CMD) :	305.91
	Fire fighting - Underground water tank(CMD):	450
	Fire fighting - Overhead water tank(CMD):	150 (all buildings)
	Excess treated water	157.39
Details of Swimming pool (If any)	• Dimension of Swimming Pool: 15.3m length x7.5m wide x1.3m deep • Total water Requirement in KLD: 170 KLD • Water requirement for make up in KLD: 5 KLD • Capital Cost: Rs. 20,00,000 /- • O & M cost: - Rs. 1,00,000 /-	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Post monsoon 10.00 meter Pre monsoon 20.00 meter
	Size and no of RWH tank(s) and Quantity:	Not applicable
	Location of the RWH tank(s):	Not applicable
	Quantity of recharge pits:	6 No.
	Size of recharge pits :	2. No Pit 2*2*2meter and chamber 1*1*1 m Bore well 0.160 meter diameter and 60 meter depth 3 No No Pit 2*2*2meter
	Budgetary allocation (Capital cost) :	Rs. 04,50,000
	Budgetary allocation (O & M cost) :	Rs. 30,000 /-
	Details of UGT tanks if any :	Domestic UG tank Capacity (cum) : 203.35 KLD Flushing tank Capacity(cum) : 101.87 KLD Fire UG tank Capacity (cum) : 450 KLD
35.Storm water drainage	**Natural water drainage pattern:**	As per contour
	Quantity of storm water:	21 m3/m
	Size of SWD:	450 mm
Sewage and Waste water	**Sewage generation in KLD:**	275.32 KLD
	STP technology:	Existing : Extended aeration , Proposed : MBBR technology
	Capacity of STP (CMD):	STP 1 (Existing) : 260 KLD , STP 2 (Proposed) : 20 KLD
	Location & area of the STP:	STP 1 area : 250 sq. m , STP 2 Area : 40 sq. m
	Budgetary allocation (Capital cost):	Rs. 65,00,000 /-
	Budgetary allocation (O & M cost):	Rs. 15,00,000 /-
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	30 kg/day
	Disposal of the construction waste debris:	Used within site
Waste generation in the operation Phase:	**Dry waste:**	476.56 kg/day
	Wet waste:	671.04 kg/day
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	17 kg/day
	Others if any:	E-waste : 4.10 kg/day

Mode of Disposal of waste:	**Dry waste:**	To authorized vendor
	Wet waste:	Treatment of OWC
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Will be used as manure after treatment
	Others if any:	E-waste- To SWACH
Area requirement:	**Location(s):**	On ground
	Area for the storage of waste & other material:	38 sq. m
	Area for machinery:	47 sq. m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 17,59,000 /-
	O & M cost:	Rs. 5,07,840 /-

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 :**	Total RG area : 3074.02 sq. M
	No of trees to be cut :	0
	Number of trees to be planted :	0
	List of proposed native trees :	390 (Existing 315 + Proposed 75)
	Timeline for completion of plantation :	Up to completion 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	Tabebuia Argentia	Yellow trumpet tree	15	Medium size deciduous tree , yellow flowering tree.
2	Lagerstromia indica	Taman	30	State flower of maharashtra, medium size tree with beautiful purple flower.
3	Ficus Religiosa	Pepal	15	Large Semi-Evergreen tree, sacred tree of india
4	Azadirachta indica	Neem	20	Semi - evergreen / shady tree with medicinal value.
5	Tabebuia rosea	Rosy trumpet tree	15	Medium size deciduous tree , Pink flowering tree
6	Bahunia purpurea	Kanchan	35	Medium size pink flowering tree
7	Bahunia tomentosa	Kachnar	15	Medium size yellow flowering tree
8	Mimosopus Elengi	Bakul	10	Medium size evergreen tree with medicinal value
9	Plumeria Alba	White franjipani	40	Evergreen medium size white flowering tree, medicinal value
10	Plumeria Rubra	Red franjipani	35	Evergreen medium size white flowering tree, medicinal value.
11	Jacaranda Mimosifolia	Jacaranda	10	Deciduous tree, spreading type with purple flowering
12	Michelia champaca	Sonchafa	65	Medium size evergreen tree. Fragrant yellow flowers,butterfly host plant
13	Saraca Indica	Sita Ashoka	35	Medium size sacred tree of India with medicinal value
14	Psidium guayava	Gauva	25	Medium sized fruit bearing tree, medicinal plant-good source of calcium and vitamin C.
15	Achras sapota	Chikoo	25	Medium sized fruit bearing tree, medicinal value,bird attracting tree
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	30 KW
	DG set as Power back-up during construction phase	40 KVA
	During Operation phase (Connected load):	2933 KW (3259 KVA)
	During Operation phase (Demand load):	1394 KW (1549 KVA)
	Transformer:	22KV/630 KVA - 3 No's
	DG set as Power back-up during operation phase:	2 x 125 KVA & 100 KVA
	Fuel used:	22.7 lit/hr For 125 KVA (For 100%) & 22 lit/hr For 100 KVA (For 100%)
	Details of high tension line passing through the plot if any:	No

48.Energy saving by non-conventional method:

• Energy Saving Measures -
• Solar Water Heating Systems Will Be Done For Bathrooms.
• Solar lights will be provided for common amenities like Street lighting & Garden lighting.
• CFL & LED based lighting will be done in the common areas, landscape areas, signage's, Entry gates and boundary compound walls etc.
• Auto Timer Switches will be provided for Street lights, Garden lights, Parking & staircase Lights & Other Common Area Lights, for saving electrical energy.
• Water Level Controllers with Timers will be used for Water Pumps.
• To create awareness to end consumer or flat owner, for using energy efficient light fittings like CFL, T5 Lamps & LED Lights.
• Energy Saving Achieved per Day – 33144 KWH.
• Annual Savings with energy efficient equipments is 21.16 % & 16.57 %

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Percentage Savings Per Day. For TOTAL Annual Savings in KWH for Solar Power, Hot Water & LED Lighting Details	14.72 %

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. 74,80,000 /-
	O & M cost:	Rs. 1,38,000/-

51.Environmental Management plan Budgetary Allocation

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

b) Operation Phase (with Break-up):				
Serial Number	**Component**	**Description**	**Capital cost Rs. In Lacs**	**Operational and Maintenance cost (Rs. in Lacs/yr)**
1	Sewage Treatment Plant	2 STPs	Rs. 65,00,000 /-	Rs. 15,00,000 /-
2	Rain Water Harvesting	14 no's	Rs. 4,50,000 /-	Rs. 30,000 /-
3	Solid Waste Management	OWC	Rs. 17,59,000 /-	Rs. 5,07,840 /-
4	Green Belt Development	390 trees	Rs. 38,42,525 /-	Rs. 2,88,000 /-
5	Energy	Solar system	Rs. 74,80,000 /-	Rs. 1,38,000/-
6	Swimming pool	01 no	Rs. 20,00,000 /-	Rs. 1,00,000 /-
7	Environmental Monitoring	Environment management	-	Rs. 8,90,000/-

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Existing 60.00 m wide Pune-Alandi road

Parking details:	**Number and area of basement:**	1 no. Area : 2034.69 sq. m
	Number and area of podia:	No
	Total Parking area:	16955.40 sq. m
	Area per car:	30 sq. m
	Area per car:	30 sq. m
	Number of 2-Wheelers as approved by competent authority:	Scooters : 976, cycles : 891
	Number of 4-Wheelers as approved by competent authority:	445
	Public Transport:	Pune city buses
	Width of all Internal roads (m):	6.00 m & 12.00 m
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	None within 10 km
	Category as per schedule of EIA Notification sheet	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

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

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

Brief information of the project by SEAC

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

DECISION OF SEAC

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

Specific Conditions by SEAC:

FINAL RECOMMENDATION

Kindly find SEIAA decision above.

101 SEAC-3 Day 02

SEAC Meeting number: 101 **Meeting Date** January 10, 2020

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

Is a Violation Case: No

1.Name of Project	Oxford City
2.Type of institution	Private
3.Name of Project Proponent	Mr. Haresh Shah
4.Name of Consultant	VK: e environmental LLP, Office: 73/2, Bhakti Marg, Law College Road, Pune - 411 004 020-66268888 ; Fax: 020-66268801
5.Type of project	Township
6.New project/expansion in existing project/modernization/diversification in existing project	Amendment in earlier EC granted on 15th January 2019 vide letter SEIAA-EC-0000000622
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	EC Granted 1.No. 21-154/2006/IA-III date 17 Oct. 2006. 2. No. 21-362/2007/IA-III dated 27 Dec. 2007. 3. SEIAA-EC-0000000622
8.Location of the project	Gat No. 1167 to 1179,1181, 1183 to 1189, 1191 to 1198,1200 to 1204,1206 to 1232, 1241, 1243, 1245, 1246, 1247, 1253, 1259, 1261, 1263 to 1266, 1268 to 1284, 1286 to 1289, 1292, 1298 to 1303, 1317, 1656 to 1660 at village Lavale and Gat No. 23, 34/1, 34/2/1, 34/4b/1, 129/1, 131, 132, 135, 137/1, 137/2, 137/3, 159, 163, 168, 199, 200/3 at village Bavdhan, Pune, Maharashtra.
9.Taluka	Mulshi
10.Village	Lavale and Bavdhan
Correspondence Name:	M/s. Knowledge City Education Pvt. Ltd. & M/s. Oxford Golf & Resorts Pvt. Ltd.
Room Number:	501
Floor:	4th Floor
Building Name:	Kensington Court
Road/Street Name:	Lane No.5, off North main road
Locality:	Koregaon Park
City:	Pune
11.Whether in Corporation / Municipal / other area	Pune Metropolitan Regional development Authority (PMRDA)
12.IOD/IOA/Concession/Plan Approval Number	CC issued by PMRDA
	IOD/IOA/Concession/Plan Approval Number: Sanctioned vide No. BMU/Mouje Lavale/S.N. 1168 and others/PN/31/2017-18 dt. 10.04.2018
	Approved Built-up Area: 1545578.96
13.Note on the initiated work (If applicable)	Work in progress as per Earlier EC granted
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Yes
15.Total Plot Area (sq. m.)	3857154.00
16.Deductions	220554.83
17.Net Plot area	3636599.17
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 4253512.80
	b) Non FSI area (sq. m.): 1170910.51
	c) Total BUA area (sq. m.): 5424423
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 1287982.47
	Approved Non FSI area (sq. m.):
	Date of Approval: 10-04-2018
19.Total ground coverage (m2)	254682 Sq. m.

20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	6.6 % of Total Plot Area and 7.0 % of Net Plot Area
21.Estimated cost of the project	150000000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	OCR -1: G1BA G1BA (No of Bldg. 6)	2PD+30	99.90
2	OCR -1: G7 G1BA (No of Bldg. 2)	2PD+30	99.90
3	OCR -1: G3D G1BA (No of Bldg. 3)	2PD+30	99.90
4	OCR -1: G4A G1BA (No of Bldg. 6)	2PD+30	99.90
5	OCR -2: N1Cb G1BA (No of Bldg. 4)	3PD+30	99.90
6	OCR -2: N1Da G1BA (No of Bldg. 2)	3PD+30	99.90
7	OCR-2: G3D G1BA (No of Bldg. 3)	3PD+30	99.90
8	OCR-2: MLCP+C8 G1BA (No of Bldg. 1)	6	24.00
9	OCR 2: C5 G1BA (No of Bldg. 1)	3	15.00
10	OCR 2: CG (No of Bldg. 1)	3	15.00
11	OCR 2: C7 (No of Bldg. 1)	3	15.00
12	OCR 3: T1, T3 (No of Bldg. 2)	5PD+30	99.90
13	OCR 3: T2,T4,T5,T6,T7 (No of Bldg. 4)	5PD+30	99.90
14	OCR 4: T (No of Bldg. 1)	2PD+ 30	99.90
15	OCR 5: T (No of Bldg. 3)	2PD+ 30	90.00
16	OCR 6: BLOCK A (No of Bldg. 1)	G+3	12.27
17	OCR6: BLOCK B (No of Bldg. 1)	G+4	25.00
18	OCR 6: BLOCK Commercial building (No of Bldg. 1)	P + 1	7.20
19	OCR6: BLOCK E (No of Bldg. 1)	G+7	28.15
20	OCR-6 Iconic I (No of Bldg. 1)	G+12	44.90
21	OCR 6: Iconic II (No of Bldg. 1)	G+12	44.90
22	OCR 6: Parking Building (No of Bldg. 1)	P+1	6.00
23	OCR-7 +8 TYPE-1 (No of Bldg. 18)	G+2	14.50
24	OCR-7 +8 TYPE-2 (No of Bldg. 3)	G + 2	14.50
25	OCR-7 +8 TYPE-3 (No of Bldg. 79)	G + 2	14.50
26	OCR-7 +8 TYPE-4 (No of Bldg. 13)	G + 2	14.50
27	OCR-7 +8 TYPE-5 (No of Bldg. 21)	G + 2	14.50
28	OCR-7 +8 TYPE6 (No of Bldg. 18)	G + 2	14.50
29	OCR 9 T (No of Bldg. 1)	2PD+30	99.90
30	OCR 10 T (No of Bldg. 1)	2PD+30	99.90
31	OCR 12 T (No of Bldg. 6)	2PD+30	99.90
32	OCR 13 T (No of Bldg. 4)	2PD+30	99.90
33	OCR 14 E 1 (No of Bldg. 2)	P+17	60.00

34	OCR 14 E 3 (No of Bldg. 2)	P+17	60.00
35	OCR 15 E 1 (No of Bldg. 1)	P+17	60.00
36	OCR 16 E 1 (No of Bldg. 1)	P+18	55.00
37	OCR 17 E 1 (No of Bldg. 1)	P+17	60.00
38	OCR 17 E 1A (No of Bldg. 1)	P+17	60.00
39	OCR 17 E 2 (No of Bldg. 2)	P+17	60.00
40	OCR 17: LOGHUTS (No of Bldg. 10)	G+1	6.0
41	OCR 18 T (No of Bldg. 3)	2PD+30	99.90
42	OCC- 4 Shed -1 (No of Bldg. 1)	G	7.8
43	OCC- 3 Town Hall (No of Bldg. 1)	P+ POD + 7	24
44	OCC- 2 C -2 (No of Bldg. 1)	P+ POD + 23	71.40
45	OCA-4 Health Club (No of Bldg. 1)	P+ 2	15
46	OCA-2 Library Building (No of Bldg. 1)	P+ 7	24.00
47	OCE -9 Health (No of Bldg. 1)	P+ 5	18.15
48	OCE-1 A01 (No of Bldg. 1)	G+1	9.45
49	OCE-1 A02 (No of Bldg. 1)	LG+G+3	14.95
50	OCE-1 A03 (No of Bldg. 1)	G+3	12.00
51	OCE-1 A04 (No of Bldg. 1)	G+2	11.25
52	OCE-1 A05 (No of Bldg. 1)	G+3	12.00
53	OCE-1 A06 (No of Bldg. 1)	G+1	9.45
54	OCE-1 A07 (No of Bldg. 1)	G+3	14.85
55	OCE-1 A08 (No of Bldg. 1)	G+1	9.45
56	OCE-1 A09 (No of Bldg. 1)	G+3	14.85
57	OCE-1 A10 (No of Bldg. 1)	G	5.20
58	OCE-1 A11 (No of Bldg. 1)	G+1	13.11
59	OCE-1 A12 (No of Bldg. 1)	G+1	11.10
60	OCE-1 A13 (No of Bldg. 1)	G	4.02
61	OCE-1 A15 (No of Bldg. 3)	G+1	6.90
62	OCE-1 A16 (No of Bldg. 1)	G+1	7.00
63	OCE-1 A17 (No of Bldg. 1)	G+1	7.00
64	OCE-1 A18 (No of Bldg. 1)	G+1	7.00
65	OCE-1 A19 (No of Bldg. 1)	G+1	7.00
66	OCE-1 A20 (No of Bldg. 1)	G	4.50
67	OCE-1 A21+22 (No of Bldg. 1)	G	6.45
68	OCE-1 A23 (No of Bldg. 1)	G	3.45
69	OCE-1 A26 +2 (No of Bldg. 3)	G+3	13.00
70	OCE-1 A27 +2 (No of Bldg. 3)	G+4	14.95
71	OCE-1 A28 (No of Bldg. 1)	G+3	14.95
72	OCE-1 A40 (No of Bldg. 1)	G	4.35
73	OCE-1 A41 (No of Bldg. 1)	G+2	14.81
74	OCE-1 A42 (No of Bldg. 1)	G+3	15.00
75	OCE-1 A46 (No of Bldg. 1)	G	3.45
76	OCE-1 A47 (No of Bldg. 1)	G	3.45

77	OCE-1 A48 (No of Bldg. 1)	G+4	15.00
78	OCE-1 Auditorium (No of Bldg. 1)	G+1	14.40
79	OCE2:Sport Complex (No of Bldg. 1)	G+1	10.80
80	OCE2:Executive Education Centre (No of Bldg. 1)	G+7	24.00
81	OCE2:Hostel 1 (No of Bldg. 1)	G+3	12.00
82	OCE2:Faculty Housing (No of Bldg. 1)	G+7	24.00
83	OCE 3	0	0
84	OCE 4	0	0
85	OCE -5 Building-1 (No of Bldg. 1)	G+3	14.90
86	OCE -5 Building-2 (No of Bldg. 1)	G+3	14.90
87	OCE -5 Building-3 (No of Bldg. 1)	G+3	14.90
88	OCE -5 Building-4 (No of Bldg. 1)	G+3	14.90
89	OCE -5 Building-5 (No of Bldg. 1)	G+3	14.90
90	OCE -5 Building-6 (No of Bldg. 1)	G+3	14.90
91	OCE7 – Academic Block – A (No of Bldg. 1)	G+3	15.00
92	OCE7 – Academic Block – B (No of Bldg. 1)	G+3	15.00
93	OCE6- School 1 (No of Bldg. 1)	G+3	14.90
94	OCE8 – Housing 2A (No of Bldg. 4)	G+4	16.00
95	OCE8: Housing 3A (No of Bldg. 1)	G+4	16.00
96	OCE8: Housing D-1, D2 & D-3 (No of Bldg. 3)	G+1	7.00
97	OCU-1 Bus Station (No of Bldg. 1)	G	5.00
98	OCU-1 Police Station (No of Bldg. 1)	G	4.20
99	OCU-1 Fire Station (No of Bldg. 1)	G	5.00

23.Number of tenants and shops	No. of Tenements 18922 (Residential) ; total number of buildings 290
24.Number of expected residents / users	275168
25.Tenant density per hectare	50 (permissible 250 per hector)
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	18 m. road developed by project proponent connected to NH-4. Fire station is at distance of 12.0 km. also 3 bay fire station is proposed in Township.

28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 mtr
29.Existing structure (s) if any	Work in progress as per Earlier EC granted
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	Irrigation Department Pune
	Fresh water (CMD):	8792
	Recycled water - Flushing (CMD):	5158
	Recycled water - Gardening (CMD):	2560
	Swimming pool make up (Cum):	9
	Total Water Requirement (CMD) :	16510
	Fire fighting - Underground water tank(CMD):	500 KL
	Fire fighting - Overhead water tank(CMD):	30 KL
	Excess treated water	4118 (ues for golf course)

Wet season:	**Source of water**	Irrigation Department Pune
	Fresh water (CMD):	8792
	Recycled water - Flushing (CMD):	5158
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	9
	Total Water Requirement (CMD) :	13950
	Fire fighting - Underground water tank(CMD):	500 KL
	Fire fighting - Overhead water tank(CMD):	30 KL
	Excess treated water	5916 ues for golf course)
Details of Swimming pool (If any)	AS per Layout plan	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	500	13488	13988	90	1763	1853	410	11725	12135
Gardening	664	1897	2561	0	0	0	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Pre monsoon depth of Water level 2-5 m
	Size and no of RWH tank(s) and Quantity:	details are given in hydrogeology Report
	Location of the RWH tank(s):	As per contour of the site
	Quantity of recharge pits:	250 Nos.
	Size of recharge pits :	2 x1 x 2 m
	Budgetary allocation (Capital cost) :	220 Lakhs
	Budgetary allocation (O & M cost) :	12 Lakhs/Annum
	Details of UGT tanks if any :	20 UGWT will be provided

35.Storm water drainage	**Natural water drainage pattern:**	Storm water drainage will be designed according to contour of the site
	Quantity of storm water:	222000 cum
	Size of SWD:	1200 mm & 1800 mm in diameter
Sewage and Waste water	**Sewage generation in KLD:**	12185
	STP technology:	MBBR
	Capacity of STP (CMD):	25no. Total Capacity 12330 KLD
	Location & area of the STP:	Shown in Layout Plan
	Budgetary allocation (Capital cost):	Rs. 900 Lakhs
	Budgetary allocation (O & M cost):	Rs. 1 cr/Annum

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	24 Kg/day
	Disposal of the construction waste debris:	Authorized Dealer
Waste generation in the operation Phase:	**Dry waste:**	24990.5 Kg/Day
	Wet waste:	37486 .0 kg/day
	Hazardous waste:	0
	Biomedical waste (If applicable):	30 Kg/day
	STP Sludge (Dry sludge):	Yes
	Others if any:	Used Oil
Mode of Disposal of waste:	**Dry waste:**	Authorized recycler
	Wet waste:	OWC
	Hazardous waste:	Authorized dealer if any
	Biomedical waste (If applicable):	Authorized Dealer
	STP Sludge (Dry sludge):	Dry Sludge will be used as manure for Gardening
	Others if any:	Authorized Vendor
Area requirement:	**Location(s):**	As per shown in Layout Plan
	Area for the storage of waste & other material:	Enmark area is shown in layout plan
	Area for machinery:	2328 Sq.m for OWC setup.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 3.5 Crores
	O & M cost:	Rs. 50 lacs per annum

37.Effluent Charecterestics

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

1	pH	NA	7.5-8.5	7.0-7.5	6.5-9.0
2	SS	mg/ltr	150-200	50-100	100
3	BOD	mg/ltr	50-80	10-30	30
Amount of effluent generation (CMD):		90 kld			
Capacity of the ETP:		100 KLD			
Amount of treated effluent recycled :		88 KLD			
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		8-9 kg			

38.Hazardous Waste Details

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

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	DG Set	2380 ltr/day	122 nos.	as per Norms	appropriate as per height.	--

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel	816 ltr/day	2380 ltr/day	3196 ltr/day
41.Source of Fuel		Local Supplier		
42.Mode of Transportation of fuel to site		by Road through Truck Tanker		

43.Green Belt Development	**Total RG area :**	937455.59 Sq.m. (Including Hill slope plantation)
	No of trees to be cut :	800 Nos. approximate)
	Number of trees to be planted :	7500 trees have been planted and As many as 20000 trees have been planned to be planted
	List of proposed native trees :	Neem, Mango, Jambhul, Fig, Amaltas, Bargad, Shisam, Arjuna, Gulmohar, Jackfruit, Chiku, Ashok, Furcurea, Badam, Royal Palm
	Timeline for completion of plantation :	Not Applicable

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azardirachtaindica	Neem	3000	Dense , Evergreen
2	FicusBenghalensis	Bargad,(Wad)	150	Large, Dense , Evergreen
3	TerminaliaArjuna	Arjuna	2000	semi-deciduous, Medium
4	PolyalthiaPendula	Ashoka	4000	Evergreen, small

5	MangiferaIndica	Amba	1000	Large, Dense , Evergreen
6	SyzygiumCuminii	Jambhul	1000	semi-deciduous, Medium
7	Cassia Fistula	Amaltas	1500	Evergreen, small
8	DalbergiaLatifolia	Shisam	1000	Large, Dense , Evergreen
9	MicheliaChampaka	SoanChafa	800	Large, Dense , Evergreen
10	Manilkarazapota	Chiku	800	semi-deciduous, Medium, tall
11	FurcrataGigantia	Furcurea	700	succulent garden ornamental.
12	DelonixRegia	Gulmohar	1500	Deciduous, Large
13	Artocarpusheterophyllus	Jackfruit	500	Good canopy, Fruit & flower, attracting
14	FicusBenjamina	Fig	550	Deciduous, Large
15	Roystonearegia	Royal Palm	1500	Deciduous, Large
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	197 MW
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	365 MW
	During Operation phase (Demand load):	197 MW
	Transformer:	184 Nos.
	DG set as Power back-up during operation phase:	122 Nos.
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	132 KVA line

48.Energy saving by non-conventional method:

Solar Energy Conventional Energy

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

Total Savings/year (KWH) 11920906 83446342 32660 52176020 365232140 27
Total Savings/ day (Kwh) 32660 228620 142948 1000636

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar Lighting (for Landscape/Driveway)	50 %
2	Still Floor / Staircase / Lift Lobby Lighting	30 %
3	VFD's on Lifts	20 %
4	Solar Panels for Hot Water	9 %

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air Pollution –Vehicular Movement and DG Set used during power failure only	Acoustic Covered and Chimney	Every DG set having appropriate Acoustic Cover and Chimney (stack) as per CPCB Norms
Sewage	200 KLD and 300 KLD	23 more STP Total capacity after expansion will be 12330 KLD
Solid Waste (Non Bio-degradable) and Bio Degrdable	Bins are Provided	2 OWC will be installed

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.4203.00Lakhs
	O & M cost:	Rs.50.00 Lakh per Annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water for Dust Suppression	SPM	495.5
2	Site Sanitation & Safety	mobile toilets	7.2
3	Environmental Monitoring	--	2.75
4	Health & Checkup of Labour	--	12.78
5	TOTAL	--	518.23

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Water Pollution	Sewage Treatment Plant 23 Nos. Total capacity 12330 KLD	900	100
2	Air Pollution Control Management	Water sprinklers, Stacks of appropriate ht shall be provided to DG Set	25	5
3	Solid Waste Management	Organic Waste Converter OWC and bins will be provided	35	50
4	RWH	250 Nos of pits shall be provided	220	12
5	Energy Conservation	Flat Area (2 Light On PV Solar) solar water heaters & Solar Street Light.	4203	50
6	Environmental monitoring	monitoring	0	11.5
7	--	Total	5383	228.5

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	The project site is approachable by Mumbai-Bangalore NH-4 road through TarRoad Developed by Project Proponent.

Parking details:	**Number and area of basement:**	None
	Number and area of podia:	46 Podium.
	Total Parking area:	817000 Sq. m.
	Area per car:	As per PMRD Norms
	Area per car:	As per PMRD Norms
	Number of 2-Wheelers as approved by competent authority:	87770 Scooter and 87770 Cycles
	Number of 4-Wheelers as approved by competent authority:	27678 Nos
	Public Transport:	NA
	Width of all Internal roads (m):	12-24 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), B1
	Court cases pending if any	None
	Other Relevant Informations	The proposed project is Rearrangement of Internal Township sectors. As per earlier EC in OCR 6 .no. of tenements have increased from 315 to 437 and Environmental services have been provided accordingly.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	18-12-2017

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

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

Brief information of the project by SEAC

PP had submitted application for prior Environmental clearance for amendment in EC for total plot area of 3875154 m2, PSI area of 4253512.80 m2, Non FSI area of 1170910.51 m2 and total BUA of 5424423 m2.

The building configuration of the proposal is as below:

1	OCR -1: G1BA G1BA (No of Bldg.6)	2PD+30	Height 99.90 m
2	OCR -1: G7 G1BA (No of Bldg. 2)	2PD+30	Height 99.90m
3	OCR -1: G3D G1BA (No of Bldg. 3)	2PD+30	Height 99.90m
4	OCR -1: G4A G1BA (No of Bldg. 6)	2PD+30	Height 99.90m
5	OCR -2: N1Cb G1BA (No of Bldg.4)	3PD+30	Height 99.90m
6	OCR -2: N1Da G1BA (No of Bldg.2)	3PD+30	Height 99.90m
7	OCR-2: G3D G1BA (No of Bldg. 3)	3PD+30	Height 99.90m
8	OCR-2: MLCP+C8 G1BA (No of Bldg. 1)	6	Height 24.00m
9	OCR 2: C5 G1BA (No of Bldg. 1)	3	Height 15.00m
10	OCR 2: CG (No of Bldg. 1)	3	Height 15.00m
11	OCR 2: C7 (No of Bldg. 1)	3	Height 15.00m
12	OCR 3: T1, T3 (No of Bldg. 2)	5PD+30	Height 99.90m
13	OCR 3: T2,T4,T5,T6,T7 (No of Bldg. 4)	5PD+30	Height 99.90m
14	OCR 4: T (No of Bldg. 1)	2PD+ 30	Height 99.90m
15	OCR 5: T (No of Bldg. 3)	2PD+ 30	Height 90.00m
16	OCR 6: BLOCK A (No of Bldg. 1)	G+3	Height 12.27m
17	OCR6: BLOCK B (No of Bldg. 1)	G+4	Height 25.00m
18	OCR 6: BLOCK Commercial building (No of Bldg. 1)	P + 1	Height 7.20m
19	OCR6: BLOCK E (No of Bldg. 1)	G+7	Height 28.15m
20	OCR-6 Iconic I (No of Bldg. 1)	G+12	Height 44.90m
21	OCR 6: Iconic II (No of Bldg. 1)	G+12	Height 44.90m
22	OCR 6: Parking Building (No of Bldg. 1)	P+1	Height 6.00m
23	OCR-7 +8 TYPE-1 (No of Bldg. 18)	G+2	Height 14.50m
24	OCR-7 +8 TYPE-2 (No of Bldg. 3)	G + 2	Height 14.50m
25	OCR-7 +8 TYPE-3 (No of Bldg. 79)	G + 2	Height 14.50m
26	OCR-7 +8 TYPE-4 (No of Bldg. 13)	G + 2	Height 14.50m
27	OCR-7 +8 TYPE-5 (No of Bldg. 21)	G + 2	Height 14.50m
28	OCR-7 +8 TYPE6 (No of Bldg. 18)	G + 2	Height 14.50m
29	OCR 9 T (No of Bldg. 1)	2PD+30	Height 99.90m
30	OCR 10 T (No of Bldg. 1)	2PD+30	Height 99.90m
31	OCR 12 T (No of Bldg. 6)	2PD+30	Height 99.90m
32	OCR 13 T (No of Bldg. 4)	2PD+30	Height 99.90m
33	OCR 14 E 1 (No of Bldg. 2)	P+17	Height 60.00m
34	OCR 14 E 3 (No of Bldg. 2)	P+17	Height 60.00m
35	OCR 15 E 1 (No of Bldg. 1)	P+17	Height 60.00m
36	OCR 16 E 1 (No of Bldg. 1)	P+18	Height 55.00m
37	OCR 17 E 1 (No of Bldg. 1)	P+17	Height 60.00m
38	OCR 17 E 1A (No of Bldg. 1)	P+17	Height 60.00m
39	OCR 17 E 2 (No of Bldg. 2)	P+17	Height 60.00m
40	OCR 17: LOGHUTS (No of Bldg.10)	G+1	Height 6.0m
41	OCR 18 T (No of Bldg. 3)	2PD+30	Height 99.90m
42	OCC- 4 Shed -1 (No of Bldg. 1)	G	Height 7.8m
43	OCC- 3 Town Hall (No of Bldg. 1)	P+ POD + 7	Height 24m
44	OCC- 2 C- 2 (No of Bldg. 1)	P+ POD + 23	Height 71.40m
45	OCA-4 Health Club (No of Bldg. 1)	P+ 2	Height 15m
46	OCA-2 Library Building (No ofBldg. 1)	P+ 7	Height 24.00m
47	OCE -9 Health (No of Bldg. 1)	P+ 5	Height 18.15m
48	OCE-1 A01 (No of Bldg. 1)	G+1	Height 9.45m
49	OCE-1 A02 (No of Bldg. 1)	LG+G+3	Height 14.95m
50	OCE-1 A03 (No of Bldg. 1)	G+3	Height 12.00m
51	OCE-1 A04 (No of Bldg. 1)	G+2	Height 11.25m
52	OCE-1 A05 (No of Bldg. 1)	G+3	Height 12.00m
53	OCE-1 A06 (No of Bldg. 1)	G+1	Height 9.45m
54	OCE-1 A07 (No of Bldg. 1)	G+3	Height 14.85m
55	OCE-1 A08 (No of Bldg. 1)	G+1	Height 9.45m
56	OCE-1 A09 (No of Bldg. 1)	G+3	Height 14.85m
57	OCE-1 A10 (No of Bldg. 1)	G	Height 5.20m
58	OCE-1 A11 (No of Bldg. 1)	G+1	Height 13.11m
59	OCE-1 A12 (No of Bldg. 1)	G+1	Height 11.10m
60	OCE-1 A13 (No of Bldg. 1)	G	Height 4.02m
61	OCE-1 A15 (No of Bldg. 3)	G+1	Height 6.90m
62	OCE-1 A16 (No of Bldg. 1)	G+1	Height 7.00m
63	OCE-1 A17 (No of Bldg. 1)	G+1	Height 7.00m
64	OCE-1 A18 (No of Bldg. 1)	G+1	Height 7.00m
65	OCE-1 A19 (No of Bldg. 1)	G+1	Height 7.00m
66	OCE-1 A20 (No of Bldg. 1)	G	Height 4.50m
67	OCE-1 A21+22 (No of Bldg. 1)	G	Height 6.45m
68	OCE-1 A23 (No of Bldg. 1)	G	Height 3.45m
69	OCE-1 A26 +2 (No of Bldg. 3)	G+3	Height 13.00m
70	OCE-1 A27 +2 (No of Bldg. 3)	G+4	Height 14.95m
71	OCE-1 A28 (No of Bldg. 1)	G+3	Height 14.95m
72	OCE-1 A40 (No of Bldg. 1)	G	Height 4.35m
73	OCE-1 A41 (No of Bldg. 1)	G+2	Height 14.81m
74	OCE-1 A42 (No of Bldg. 1)	G+3	Height 15.00m
75	OCE-1 A46 (No of Bldg. 1)	G	Height 3.45m
76	OCE-1 A47 (No of Bldg. 1)	G	Height 3.45m
77	OCE-1 A48 (No of Bldg. 1)	G+4	Height 15.00m
78	OCE-1 Auditorium (No of Bldg. 1)	G+1	Height 14.40m
79	OCE2:Sport Complex (No of Bldg.1)	G+1	Height 10.80m
80	OCE2:Executive Education Centre (No of Bldg. 1)	G+7	Height 24.00m
81	OCE2:Hostel 1 (No of Bldg. 1)	G+3	Height 12.00m
82	OCE2:Faculty Housing (No of Bldg. 1)	G+7	24.00m
83	OCE 3 0	0m	
84	OCE 4 0	0m	
85	OCE -5 Building-1 (No of Bldg. 1)	G+3	Height 14.90m
86	OCE -5 Building-2 (No of Bldg. 1)	G+3	Height 14.90m
87	OCE -5 Building-3 (No of Bldg. 1)	G+3	Height 14.90m
88	OCE -5 Building-4 (No of Bldg. 1)	G+3	Height 14.90m
89	OCE -5 Building-5 (No of Bldg. 1)	G+3	Height 14.90m
90	OCE -5 Building-6 (No of Bldg. 1)	G+3	Height 14.90m
91	OCE7 - Academic Block - A (No of Bldg. 1)	G+3	Height 15.00m
92	OCE7 - Academic Block - B (No of Bldg. 1)	G+3	Height 15.00m
93	OCE6- School 1 (No of Bldg. 1)	G+3	Height 14.90m
94	OCE8 - Housing 2A (No of Bldg. 4)	G+4	Height 16.00m
95	OCE8: Housing 3A (No of Bldg. 1)	G+4	Height 16.00m
96	OCE8: Housing D-1, D2 & D-3 (No of Bldg. 3)	G+1	Height 7.00m
97	OCU-1 Bus Station (No of Bldg. 1)	G	Height 5.00m
98	OCU-1 Police Station (No of Bldg. 1)	G	Height 4.20m
99	OCU-1 Fire Station (No of Bldg. 1)	G	Height 5.00m

DECISION OF SEAC

During discussion, PP stated that the foot print of the proposed building in Sector OCR-6 at Gat no. 1658(p) and 1659(p) is proposed to be changed whereas in the comparative statement submitted by PP, it is mentioned that there is absolutely no change in FSI and non FSI areas as per the EC granted on 15.01.2019 which appears to be not possible.

Therefore PP is directed to submit the exact areas of FSI and non FSI as per the drawings prepared for the changes in he EC for which PP has agreed to. PP has also agreed to submit the corresponding increase / decrease in the areas.

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

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

SEAC Meeting number: 101 **Meeting Date** January 10, 2020

Subject: Environment Clearance for Proposed Residential Project

Is a Violation Case: Yes

1.Name of Project	Vishnu Vihar Phase-II, Gat No. 637 Part & 640, Kasar Amboli, Mankarwadi, Tal , Mulshi, Dist. Pune, Pin- 412115, State- Maharashtra
2.Type of institution	Private
3.Name of Project Proponent	M/s. S. V. Joshi & Company
4.Name of Consultant	NA
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. 637 Part & 640
9.Taluka	Mulshi
10.Village	Kasar Amboli
Correspondence Name:	M/s. S.V. Joshi & Company
Room Number:	001
Floor:	Stilt Floor
Building Name:	Lotus Plaza, B Wing
Road/Street Name:	Opposite Karishma Society
Locality:	Kothrud
City:	Pune
11.Whether in Corporation / Municipal / other area	PMRDA
12.IOD/IOA/Concession/Plan Approval Number	Plan Approval obtained from PMRDA
	IOD/IOA/Concession/Plan Approval Number: Plan Approval No. PMU/Mau. Kasaramboli/ S. No. 637, P 640/2502 dtd. 15.12.2015
	Approved Built-up Area: 21781.43
13.Note on the initiated work (If applicable)	Construction started for B Wing. i.e. P + 11, No. of Flats 86, Total Constructed Area- 6341.67 RCC Work completed
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	18275.00 sq.mt
16.Deductions	3047.16 Sq.mt.
17.Net Plot area	15227.84 Sq.mt.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 20629.99 Sq.mt
	b) Non FSI area (sq. m.): 11342.07
	c) Total BUA area (sq. m.): 31972.06
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 13702.09
	Approved Non FSI area (sq. m.): 8079.34
	Date of Approval: 15-12-2015
19.Total ground coverage (m2)	3465.21
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	19.2
21.Estimated cost of the project	480977216.00

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A Wing	P +11	31.35
2	B Wing	P + 11	31.35
3	C Wing	P + 7	19.95
4	D Wing	P + 7	19.95
5	E Wing	P + 7	19.95
6	F Wing	P+11	31.35

23.Number of tenants and shops	426 nos. of tenants
24.Number of expected residents / users	Residential - 2130 nos.
25.Tenant density per hectare	457 tenants
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 at Hinjawadi Phase-III, and Width of the road from the nearest fire station to the proposed building - 12 m wide road abutting to site
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 9.00 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**	Grampanchayat/ Tanker
	Fresh water (CMD):	192
	Recycled water - Flushing (CMD):	96
	Recycled water - Gardening (CMD):	17
	Swimming pool make up (Cum):	18
	Total Water Requirement (CMD) :	323
	Fire fighting - Underground water tank(CMD):	3 Nos. of tanks of capacity 50 M3 each
	Fire fighting - Overhead water tank(CMD):	3 Nos. of tanks of capacity 20 M3 each 3 Nos. of tanks of capacity 10 M3 each
	Excess treated water	156
Wet season:	**Source of water**	Grampanchayat/ Tanker
	Fresh water (CMD):	192
	Recycled water - Flushing (CMD):	96
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	18
	Total Water Requirement (CMD) :	306
	Fire fighting - Underground water tank(CMD):	3 Nos. of tanks of capacity 50 M3 each
	Fire fighting - Overhead water tank(CMD):	3 Nos. of tanks of capacity 20 M3 each 3 Nos. of tanks of capacity 10 M3 each
	Excess treated water	173
Details of Swimming pool (If any)	Main Pool (1nos): 11 m X 17 m X1. 2m Total water Requirement in KL: 2500 Water requirement for make up in cum: 18.00	

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	192	192	Not applicable	19	19	Not applicable	173	173
Domestic	Not applicable	192	192	Not applicable	0	0	Not applicable	173	173
Gardening	Not applicable	17	17	Not applicable	0	0	Not applicable	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	36 m
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	10 nos.
	Size of recharge pits :	2mx2mx2m
	Budgetary allocation (Capital cost) :	3.5 Lakhs
	Budgetary allocation (O & M cost) :	0.6 Lakhs
	Details of UGT tanks if any :	290+150 CMD
35.Storm water drainage	**Natural water drainage pattern:**	NW to SE
	Quantity of storm water:	678.45 m3/hr
	Size of SWD:	250-450 mm dia.
Sewage and Waste water	**Sewage generation in KLD:**	269 m3/day
	STP technology:	MBBR
	Capacity of STP (CMD):	3 nos. of STP of having capacity of each 100 M3/day
	Location & area of the STP:	As per Layout 17 X 17M2
	Budgetary allocation (Capital cost):	1,67,00,000=00 FOR ALL THE PHASES
	Budgetary allocation (O & M cost):	31,10,539=00
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	10395.63 M3
	Disposal of the construction waste debris:	Within the site
Waste generation in the operation Phase:	**Dry waste:**	288 Kg/day
	Wet waste:	671 Kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	90 Kg/day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Handed over to authorized recyclers
	Wet waste:	Composting Machine
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as Manure
	Others if any:	NA
Area requirement:	**Location(s):**	As per layout
	Area for the storage of waste & other material:	15 Sq.mt.
	Area for machinery:	60 Sq.mt.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	20,75,000
	O & M cost:	3,91000

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 12.7 lit/hr HSD 13.7 lit./hr. HSD 20.2 Lit./hr.	3 Nos.	2.5 Mtr. above habitable space	1- 87.5 mm 1- 87.5 mm 1- 100 mm	450 degree C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	Not applicable	HSD	HSD
41.Source of Fuel		Near by pump		

42.Mode of Transportation of fuel to site	By Road

43.Green Belt Development	**Total RG area :**	2388 Sq. m.
	No of trees to be cut :	NA
	Number of trees to be planted :	279 nos.
	List of proposed native trees :	137 nos.
	Timeline for completion of plantation :	will be done at 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	Albizzia lebbeck	Shirish	4	Its uses include environmental management, forage, medicine and wood.
2	Bahunia purpuria	Raktakanchan	4	Bauhinia trees typically reach a height of 6–12 m and their branchesspread 3–6 m outwards, flowering in late winter
3	Alstonia scholaris	Saptaparni	12	It has proved a valuable remedy in chronic diarrhoea and the advanced stages of dysentery. It has also been found effectual in restoring the tone of the stomach and of the system generally in debility after fevers and other exhausting disease.
4	Anthocephalus kadamba	Kadamb	12	The tree: may reach a height of 45 m with trunk diameters of 100-(160) cm. The tree sometimes has small buttresses and a broad crown. The bark is gray, smooth in young trees, rough and longitudinally fissured in old trees.
5	Azadirichta Indica	Neem	11	Neem products are believed by Siddha and Ayurvedic practitioners to be antihelmenthic, antifungal, antidiabetic, antibacterial, antiviral, contraceptive and sedative.
6	Bauhinia blakeana	Honkong orchid	17	6 - 10m height. Crown open, irregular, with sparse branching.
7	Bauhinia purpurea	Kanchan	8	It is a small to medium-sized evergreen to semi-evergreen tree. The plant is used in dropsy, pain, rheumatism, thigh swelling, convulsion, delirium febris, Datura intoxication and blackness of lip or tongue. Bark acts as an astringent in diarrhoea; its decoction is used as a wash in ulcers. The roots are carminative and the flowers laxative.

8	Butea monosperma	Palas	5	It is used for timber, resin, fodder, medicine, and dye. The wood is dirty white and soft and, being durable under water, is used for well-curbs and water scoops
9	Cassia fistula	Amaltash	7	Cassia fistula also grown as a ornamental tree. Cassia fistula also used in the treatment of cancer, constipation, convulsions, delirium, diarrhea, dysuria, epilepsy, gravel, hematuria, pimples and glandular tumors. Pest of root is useful in skin diseases, burning sensations and syphilis. Bark is useful in boils, leprosy, ringworm affection, diabetes, strangury and cardiac problems. Leaves are useful in skin diseases, burning sensation, dry cough and fever
10	Cestrum nocturnum	Ratrani	6	Flowering plant
11	Pongamia Pinnata	karanj	6	Karanja is an important Ayurvedic medicine, used predominantly in skin diseases. Karanja twigs were used as tooth brush in ancient times.
12	Couroupita guianensis	cannonball tree	6	There are medicinal uses for many parts of Couroupita guianensis, and the tree has cultural and religious significance
13	Delonix regia	gold mohar	4	in addition to its ornamental value, it is also a useful shade tree in tropical conditions because it usually grows to a modest height.In areas with a marked dry season, it sheds its leaves during the drought, but in other areas it is virtually evergreen.
14	Erythrina variegata	Pangara	9	It is occasionally grown as a shade tree for cocoa and coffee.Stakes thrust into the ground readily take root, so they are used for making enclosures about gardens. The leaves are used as green manure
15	gardenia Jasminoides	jasmine	7	flowering plant
16	Jacaranda mimosifolia	Neelmohar	7	it is an attractive feature tree in medium to large gardens. It is often used in parks and street planting. Great filtered shade tree in gardens
17	Pongamia Pinnata	Karanj	6	Karanja is an important Ayurvedic medicine, used predominantly in skin diseases. Karanja twigs were used as tooth brush in ancient times.
18	Michelia champaca	Sonchapha	6	flowering 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	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
	During Operation phase (Connected load):	1947 KW
	During Operation phase (Demand load):	1068 KVA
	Transformer:	630 KVA x 2 No.
	DG set as Power back-up during operation phase:	82.5 KVA x 1 No.(Bld A,F) 125 KVA X 1 NO (External & Common) 62.5 KVA X 1 NO (Bldg B,C,D,E)
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Solar Energy (PV Panels)- 29200 units per Annum-80 Units / Day
Auto. Timer Logic Controller + LED-18980 Units /Annum -52 Units / Day
Electronic VVF drive for Lifts- 21900 units per Annum/60 Units / Day
Solar Water heater- 356700 units per Annum (300 Days)-1189/Day

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar Energy (PV Panels)	0.94 %
2	Auto. Timer Logic Controller	0.60 %
3	Electronic VVF drive for Lifts	0.70 %
4	Solar Water heater	13.91 %

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Sewage	Not applicable	STP
Emission	Not applicable	DG set with Stack attached to acoustic enclosure
MSW	Not applicable	OWC

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	69.05 L
	O & M cost:	0.95 L

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water For Dust Suppression Air & Noise monitoring	1.08
2	Water Environment	Tanker water for construction Water monitoring	2.76
3	Land Environment	Site Sanitation	2.7
4	Biological Environment	Gardening	1.0
5	Socio- Economic Environment	Disinfection- Pest Control First Aid Facilities Health Check Up Creche for children Personal protective equipment	6.05

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	Treatment Of Sewage	167.00	31.10
2	RWH	Pits	3.5	0.6
3	Landscaping	Gardening	6.85	1.1
4	Electrical	Energy saving	69.05	0.95
5	OWC	Wet garbage treatment	20.75	3.91

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 E to W m wide road

Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	3099.00 sq.m.
	Area per car:	12.50 Sq.m.
	Area per car:	12.50 Sq.m.
	Number of 2-Wheelers as approved by competent authority:	481
	Number of 4-Wheelers as approved by competent authority:	132
	Public Transport:	Via bus
	Width of all Internal roads (m):	12 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8 (a)
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

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

Brief information of the project by SEAC

PP had submitted application for prior Environmental clearance for total plot area of 18275.00 m2, FSI area of 20629.99 m2, Non FSI area of 11342.07 m2 and total BUA of 31972.06 m2.

The building configuration of the proposal is as below:

1 A Wing P +11 Height 31.35 m

2 B Wing P + 11 Height 31.35m

3 C Wing P + 7 Height 19.95m

4 D Wing P + 7 Height 19.95m

5 E Wing P + 7 Height 19.95m

6 F Wing P+11 Height 31.35m

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

DECISION OF SEAC

During discussion following points emerged:

1. In CER, PP has proposed road development and water tank work for Grampanchayat. This is not allowed. PP has further proposed solar lighting, tree plantation, RWH etc. PP to submit location and number of activities to be carried out. PP to incorporate asset creation activities in CER.

2. PP to submit detailed disaster management plan incorporating list of essential services, lightening arrester plan and cost.

3. PP to submit fire tender movement plan indicating uninterrupted clear width of 6 m and turning radius 9 m.

4. PP to submit cross section of the building where the projections are overlapping on internal road along with height of projections on ground.

5. PP to submit parking statement showing total number of parking required and proposed as per DCR / Town Planning norms with adequate area per car as per norms.

6. PP to submit evacuation plan for entire project for occupants, visitors and as well as cars.

7. PP to submit cross section at 4-5 places including UGT, OWC and DG set location showing clear road width, distance left from building line and spaces left for plantation, parking, service lines, foot paths, etc.

8. PP to revise RG plan restricting development to exact 10% of the RG area and remaining on virgin land.

9. PP has stated that about 500 m long storm water drain is proposed to be constructed from the plot upto final disposal point along existing road. PP to design the said drain considering disposal from other adjoining properties and submit design details. PP also to submit specific NOC from the adjoining plot owners. PP to incorporate cost of storm water drain upto final disposal point in EMP.

10. PP to submit co-ordinated master layout superimposing all environmental parameters.

11. PP to submit debris management plan.

12. PP to submit details of STP.

13. PP to submit details of UGT.

14. PP to obtain and submit following NOC's: (a) CFO NOC, (b) Water supply with quantity, (c) Drainage NOC. (d) solid waste / e-waste management. (e) Garden NOC.

15. PP to submit energy saving calculations.

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

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

101 SEAC-3 Day 02

SEAC Meeting number: 101 **Meeting Date** January 10, 2020

Subject: Environment Clearance for Expansion in Environmental Clearance - Mixed Use Development at S. NO.9 to 14 Hissa No. l/37, l/38, 1/39, 1/40, 1/41, 1/42, 1/43, 1/44, 1/45 and 1/46, Mundhawa, Pune City, Pune, Maharashtra by Pune projects LLP through Pinni 3 Co-Operative Housing Society Ltd. And Sharad 2 Co-Operative Housing Society Ltd.

Is a Violation Case: No

1.Name of Project	Mixed Use Development by Pune projects LLP through Pinni 3 Co-Operative Housing Society Ltd. And Sharad 2 Co-Operative Housing Society Ltd.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Roshan Menda Vice President - Pune projects LLP through Pinni 3 Co-Operative Housing Society Ltd. And Sharad 2 Co-Operative Housing Society Ltd.
4.Name of Consultant	Ultra-Tech (Environmental Consultancy & Laboratory) - NABET/EIA/1720/RA0094
5.Type of project	Mixed Use Development
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in existing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes EC has been granted from SEIAA, Environment Department having file no. SEAC-III-2015/CR-82/TC-3 dated 3rd December 2016
8.Location of the project	S. NO.9 to 14 Hissa No. l/37, l/38, 1/39, 1/40, 1/41, 1/42, 1/43, 1/44, 1/45 and 1/46, Mundhawa, Pune City, Pune, Maharashtra
9.Taluka	-
10.Village	Mundhawa
Correspondence Name:	Mr. Roshan Menda - Vice President
Room Number:	501
Floor:	-
Building Name:	Pune project LLP, Kesington court, S. G. Pingale Lane,
Road/Street Name:	Off North Main road
Locality:	Koregaon Park, Pune 411001
City:	Pune
11.Whether in Corporation / Municipal / other area	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Commencement Certificate
	IOD/IOA/Concession/Plan Approval Number: 3433
	Approved Built-up Area: 289680.90
13.Note on the initiated work (If applicable)	Started the construction activity as per received the Environmental Clearance and construction completed on site is about area 58724.08 m2
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	79,000.00 m2
16.Deductions	12,727.21 m2
17.Net Plot area	66,272.79 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 1,19,887.78
	b) Non FSI area (sq. m.): 1,23,998.88
	c) Total BUA area (sq. m.): 243886.66
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 1,65,681.97
	Approved Non FSI area (sq. m.): 1,23,998.88
	Date of Approval: 17-02-2016
19.Total ground coverage (m2)	33,972.78
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	43
21.Estimated cost of the project	3937500000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building 1 : (As per EC : P1+G+10 and building height 40m)	P1+GR+21 Typical Floors	72.00
2	Building 2 : (As per EC : P1+P2+P3+24 and building height 82.45 m)	P1+P2+P3+21 Typical Floors	73.30
3	Building 3 : (As per EC : P1+P2+P3+24 and building height 82.45 m)	P1+P2+P3+21 Typical Floors	73.30
4	Building 4 : (As per EC : P1+P2+P3+21 and building height 73.45 m)	P1+P2+P3+21 Typical Floors	73.55
5	Building 5 : (As per EC : P1+P2+P3+21 and building height 73.45 m)	P1+P2+P3+21 Typical Floors	73.55
6	Building 6 : (AS per EC : P1+P2+P3+21 and building height 73.45 m	P1+P2+P3+21 Typical Floors	73.45
7	Building 7 : (AS per EC : P1+P2+P3+21 and building height 73.45 m	P1+P2+P3+21 Typical Floors	73.55
8	Building 8 : (AS per EC : P2+P3+20 and building height 66.85m	P2+P3+20 Typical Floors	66.80
9	Building 9 : (AS per EC : P2+P3+22 and building height 72.85 m	P2+P3+22 Typical Floors	72.85
10	Building 10 : (AS per EC : P2+P3+22 and building height 72.85 m	P2+P3+28 Typical Floors	92.60
11	Building 11 : (AS per EC : P2+P3+24 and building height 78.85 m	P2+P3+28 Typical Floors	92.60
12	Building 12 : (AS per EC : P2+P3+24 and building height 78.85 m	P1+P2+P3+28 Typical Floors	92.60
13	Building 13 : (AS per EC : P1+P2+P3+24 and building height 78.85 m	P1+P2+P3+28 Typical Floors	92.60
14	Club House	G+1st floor	7.50

23.Number of tenants and shops	Tenements - 1725 no. Shops - 30 no.
24.Number of expected residents / users	Residential - 8625 no. and Commercial - 378 no. and Total population will be 9003 no.
25.Tenant density per hectare	250
26.Height of the building(s)	

27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	30m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	Yes, we have started construction activity as per received the EC from Env. Department
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**	Grampanchayat Keshavnagar
	Fresh water (CMD):	800
	Recycled water - Flushing (CMD):	386
	Recycled water - Gardening (CMD):	53
	Swimming pool make up (Cum):	16
	Total Water Requirement (CMD) :	1239
	Fire fighting - Underground water tank(CMD):	500
	Fire fighting - Overhead water tank(CMD):	20KL
	Excess treated water	456

Wet season:	**Source of water**	Grampanchayat Keshavnagar
	Fresh water (CMD):	800
	Recycled water - Flushing (CMD):	386
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	16
	Total Water Requirement (CMD) :	1186
	Fire fighting - Underground water tank(CMD):	500
	Fire fighting - Overhead water tank(CMD):	20KL
	Excess treated water	508
Details of Swimming pool (If any)	we will submit	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	6m below EGL
	Size and no of RWH tank(s) and Quantity:	1 no. and capacity 100kL
	Location of the RWH tank(s):	Ground level
	Quantity of recharge pits:	20 no
	Size of recharge pits :	3 m x 4 m
	Budgetary allocation (Capital cost) :	Rs.33 Lakh
	Budgetary allocation (O & M cost) :	Rs.2.5 Lakh
	Details of UGT tanks if any :	Residential: Domestic UG tank Capacity: :8,00,450 ltrs Flushing UG tank Capacity: 4,39,000 ltrs Fire UG tank Capacity: 5,00,000 ltrs

35.Storm water drainage	**Natural water drainage pattern:**	THROUGH PIPE CHAMBERS
	Quantity of storm water:	90 m3 / hr
	Size of SWD:	600 MM PIPE
Sewage and Waste water	**Sewage generation in KLD:**	994
	STP technology:	MBBR
	Capacity of STP (CMD):	1 No. of STP Capacity having capacity of 1000
	Location & area of the STP:	Besides Amenity Open Space and area will be provided : 845 m2
	Budgetary allocation (Capital cost):	Rs.90 Lakh
	Budgetary allocation (O & M cost):	Rs.12 Lakh

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Excavated - 69516.61 m3 and Top soil of 14408 m3
	Disposal of the construction waste debris:	Top soil is used for landscaping
Waste generation in the operation Phase:	**Dry waste:**	2259 kg/day
	Wet waste:	1506 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	6.22 kg/day approx.
	Others if any:	E wsate : 12.85 kg/day
Mode of Disposal of waste:	**Dry waste:**	Will be handed over to SWACH
	Wet waste:	Will be treated in OWC
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will Be used as Manure
	Others if any:	E-waste : Handover to Authorized dealer
Area requirement:	**Location(s):**	Eastern corner of the plot
	Area for the storage of waste & other material:	259.64 m2
	Area for machinery:	59.2 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.30.5
	O & M cost:	Rs.3 Lakh

37.Effluent Charecterestics

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

1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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

38.Hazardous Waste Details

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

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	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 :**	R1 -7,800 m2, R2 - 955.73 m2 and Total RG area on Ground - 8,755.73 m2
	No of trees to be cut :	26 no.
	Number of trees to be planted :	850 no.
	List of proposed native trees :	24
	Timeline for completion of plantation :	Till the completion of the project

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	CASSIA GRANDIS	PINK SHOWER	32	SHADY DECIDUOUS TREE WITH PINK FLOWER
2	NEOLAMARKIA CADAMBA	KADAMBA	34	EVERGREEN TROPICAL TREE, ORANGE FLOWER

3	MICHELIA CHAMPAKA	CHEMPAK	56	SHADY MEDIUM SIZED EVERGREEN TREE
4	STERCULIA VILLLOSA	HAIRY STERCULIA	48	SHADY DECIDUOUS TREE WITH YELLOW FLOWER
5	MIMUSOPES ELENGII	BAKUL	68	SHADY TREE, SMALL WHITE FLOWERS
6	MILLINGTONIA HORTENSIS	CORK TREE	31	EVERGREEN TREE, WITH FRAGRANT FLOWERS
7	TECOMA GAUDICHAUDI	GAUDICHAUDI	21	BUSH TREE WITH YELLOW FLOWERS
8	PLUMERIA ALBA	WHITE FRANGIPANI	55	SMALL TREE WITH WHITE FLOWERS
9	PONGAMIA PINNATA	INDIAN BEECH	49	SHADY TREE WITH WIDE CANOPY
10	FICUS RETUSA	GREEN GEM	40	SHADY TREE, GOOD FOR ROAD SIDE PLANTING
11	ARTOCARPUS HETEROPHYLLUS	JACK FRUIT	19	SHADY TREE WITH EDIBLE FRUIT
12	AZDIRACHTA INDICA	NEEM TREE	30	LARGE TREE, GOOD FOR ROAD SIDE PLANTING
13	PSIDIUM GUAVA	GUAVA	30	FRUIT BEARING, MEDIUM SIZE TREE, HELPS IN POLLINATION
14	BAUHINIA PURPUREA	BAUHINIA	26	BUSH TREE WITH PINK FRAGRANT FLOWERS
15	CASSIA FISTULA	GOLDEN SHOWER	69	MEDIUM SIZE DECIDUOUS TREE, YELLOW FLOWERS
16	SYZYGIUM CUMINI	JAMUN	28	EVERGREEN TROPICAL TREE WITH OBLONG OPPOSITE LEAVES THAT ARE SMOOTH, GLOSSY AND HAVING A TURPENTINE SMELL
17	GMELINA ARBOREA	GAMHAR	31	SHADY AVENUE TREES
18	MANGIFERA INDICA	MANGO TREE	22	SHADY TREE WITH EDIBLE FRUIT
19	PHYLLANTHUS EMBLICA	GOOSEBERRY	24	BUSH TREE WITH EDIBLE FRUIT
20	ANTHOCEPHALLUS CADAMBA	KADAM	33	SHADY, LARGE DECIDUOUS TREE, FAST GROWING
21	LEGERSTROEMIA FLOSREGINEAE	PRIDE OF INDIA	26	STATE FLOWER TREE OF, MAHARASHTRA MEDIUM SIZE TREE
22	MURRAYA PANICULATA	KATTUKARIYILAIA	29	COLOURFUL TREES WITH RED FLOWERS
23	BUTEA MONOSPERMA	FLAME TREE	21	BUSH TREE WITH WHITE FLOWER
24	MANIKARA ZAPOTA	CHIKOO	28	FRUIT BEARING TREE
25	-	Total	850	-
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	176 KW
	DG set as Power back-up during construction phase	250 KVA
	During Operation phase (Connected load):	14892.01 kW
	During Operation phase (Demand load):	5499.09 kVA
	Transformer:	6Nos.,1000 kVA
	DG set as Power back-up during operation phase:	6 Nos. 500kVA
	Fuel used:	as per acquirement
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Total energy saving shall be achieved up-to 10.37 %

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	We will submit	-

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.420.88 Lakh
	O & M cost:	Rs.77.43

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	1.2
2	Air & Noise :	Air & Noise monitoring	0.48
3	Water	Tanker water for construction & worker	1.00
4	Water	Water monitoring	0.6

5	Land	Labour toilets 100 Nos. Cleaning -12,000 Rs./month	1.4
6	Biological	Gardening & Excavation	17.00
7	Socio	Disinfection at site	1.7
8	Socio	Safety, First Aid, Health Hygiene Facilities	2.0
9	Socio	Creches for children	5.3
10	Socio	Personal Protective Equipment CFL lamps for labor hutments	0.05

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP Cost	1 Nos.x 1000 KLD	90.00	12.00
2	Rain Water Harvesting	20 Pits	33.00	2.5
3	Storm water drainage	Drainage Line	25.00	3.0
4	Environmental Monitoring	As per MoEF guidelines	-	0.80
5	Gardening	Plantation of native Plants	150.00	15.00
6	Solid waste	1 Nos. of OWC	30.5	3.00
7	Energy	Transformers 6Nos X 1000kVA DG Set - 6 Nos. 500kVA	420.88	77.43
8	DMP Costing	-	3609.64	82.04
9	Swimming pool	-	50.00	5.0

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Traffic generated from this project will confluent on 12 m wide abutting road

Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	3 Nos. of Podium - 78981.70 m2
	Total Parking area:	78981.70 m2
	Area per car:	as per DCR
	Area per car:	as per DCR
	Number of 2-Wheelers as approved by competent authority:	2W - 3359 no. and Cycle 2833 no.
	Number of 4-Wheelers as approved by competent authority:	4W - 1499 no.
	Public Transport:	-
	Width of all Internal roads (m):	12 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8b (B1)
	Court cases pending if any	NA
	Other Relevant Informations	We have received the EC from SEIAA Maharashtra for the total built up area 2,00,128.53 m2. Now we are applying for the Expansion in the project
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

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

Brief information of the project by SEAC

PP had submitted application for prior Environmental clearance for expansion for total plot area of 79,000.00 m2, FSI area of 1,19,887.78 m2, Non FSI area of 1,23,998.88 m2 and total BUA of 243886.66 m2.

PP holds previous EC vide no. SEACIII-2015/CR-82/TC-3 dated 3rd December 2016.

The building configuration of the proposal is as below:

1 Building 1 : (As per EC : P1+G+10 and building height 40m) P1+GR+21 Typical Floors Height 72.00 m

2 Building 2 : (As per EC :P1+P2+P3+24 and building height 82.45 m) P1+P2+P3+21Typical Floors Height 73.30m

3 Building 3 : (As per EC :P1+P2+P3+24 and building height 82.45 m) P1+P2+P3+21Typical Floors Height 73.30m

4 Building 4 : (As per EC : P1+P2+P3+21 and building height 73.45 m) P1+P2+P3+21Typical Floors Height 73.55m

5 Building 5 : (As per EC : P1+P2+P3+21 and building height73.45 m) P1+P2+P3+21Typical Floors Height 73.55m

6 Building 6 : (AS per EC :P1+P2+P3+21 and building height73.45 m) P1+P2+P3+21Typical Floors Height 73.45m

7 Building 7 : (AS per EC :P1+P2+P3+21 and building height 73.45 m) P1+P2+P3+21Typical Floors Height 73.55m

8 Building 8 : (AS per EC :P2+P3+20 and building height66.85m) P2+P3+20 Typical Floors Height 66.80m

9 Building 9 : (AS per EC :P2+P3+22 and building height72.85 m) P2+P3+22 Typical Floors Height 72.85m

10 Building 10 : (AS per EC :P2+P3+22 and building height72.85 m) P2+P3+28 Typical Floors Height 92.60m

11 Building 11 : (AS per EC : P2+P3+24 and building height78.85 m) P2+P3+28 Typical Floors Height 92.60m

12 Building 12 : (AS per EC :P2+P3+24 and building height78.85 m) P1+P2+P3+28 Typical Floors Height 92.60m

13 Building 13 : (AS per EC :P1+P2+P3+24 and building height 78.85 m) P1+P2+P3+28Typical Floors Height 92.60m

14 Club House G+1st floor Height 7.50m

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

DECISION OF SEAC

During discussion following points emerged:

1. In CER, PP has proposed 30 number of solar lights. PP to give locations of the same. PP has also proposed RWH and storm water channel which is job of local authority. Therefore the same is not allowed. The CER cost is Rs. 1.04 Cr. PP to revise CER accordingly.

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

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

101 SEAC-3 Day 03

SEAC Meeting number: 101 **Meeting Date** January 11, 2020

Subject: Environment Clearance for Expansion of Proposed Residential & Commercial project "7 Plumeria Drive" at S. no. 7,8/1A, 8/1B, 8/2 (P), 8/3 (P), 8/4,8/5, 8/6, 8/7(P), 8/8A+ 8/9B+ 8/8B+ 9A+ 8/9C+ 8/10/1+ 8/10/2+8/10/3+8/11 & 6/2+3+4+6+7+8+9+10, Punawale, Pune by M/s. B A Consulting

Is a Violation Case: No

1.Name of Project	Expansion of Proposed Residential & Commercial project "7 Plumeria Drive" at S. no. 7,8/1A, 8/1B, 8/2 (P), 8/3 (P), 8/4,8/5, 8/6, 8/7(P), 8/8A+ 8/9B+ 8/8B+ 9A+ 8/9C+ 8/10/1+ 8/10/2+8/10/3+8/11 & 6/2+3+4+6+7+8+9+10, Punawale, Pune by M/s. B A Consulting
2.Type of institution	Private
3.Name of Project Proponent	Mr. Sachin Bhandari
4.Name of Consultant	Ms. Sayali Jagtap- Approved EIA Coordinator
5.Type of project	Residential & Commercial
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	EC letter received no. SEAC 2212/CR 251/TC-II dated 14th December, 2015.
8.Location of the project	S. no. 7,8/1A, 8/1B, 8/2 (P), 8/3 (P), 8/4,8/5, 8/6, 8/7(P), 8/8A+ 8/9B+ 8/8B+ 9A+ 8/9C+ 8/10/1+ 8/10/2+8/10/3+8/11 & 6/2+ 3+4+ 6+7+ 8+9+10, Punawale, Pune.
9.Taluka	Mulshi
10.Village	Punawale
Correspondence Name:	Mr. Mahesh Waghmale
Room Number:	-
Floor:	-
Building Name:	-
Road/Street Name:	S. no. 84/2, Baner road, Near sakal nagar, Aundh, Pune.
Locality:	Aundh
City:	Pune
11.Whether in Corporation / Municipal / other area	Pimpri Chinchwad Municipal Corporation (PCMC)
12.IOD/IOA/Concession/Plan Approval Number	Received
	IOD/IOA/Concession/Plan Approval Number: B.P./ENV/PUNAWALE/04/2019 dated 06.03.2019
	Approved Built-up Area: 145692.94
13.Note on the initiated work (If applicable)	Total constructed area as per earlier EC received is 68372.59 Sq.m
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	64546.32 sq. m
16.Deductions	29844.92 sq. m
17.Net Plot area	34701.40 sq. m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 75812.25 SQ.M
	b) Non FSI area (sq. m.): 69880.69 SQ.M
	c) Total BUA area (sq. m.): 145692.94
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 75812.25 SQ.M
	Approved Non FSI area (sq. m.): 69880.69 SQ.M
	Date of Approval: 06-03-2019
19.Total ground coverage (m2)	17081.05 sq. m
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	49.22 %

21.Estimated cost of the project	120000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building A	Parking + 21 floors	67.66 m
2	Building B	Parking + 21 floors	67.66 m
3	Building C	Parking + 21 floors	67.25 m
4	Building D	Parking + 21 floors	67.66 m
5	Building E	Parking + 21 floors	67.25 m
6	Building J (Parking building)	2 Parking floors	6.84 m
7	Building F	Parking + 21 floors	67.66 m
8	Building G	Parking + 21 floors	67.25 m
9	Building H	Parking + 21 floors	67.66 m
10	Building I	Parking + 21 floors	67.81 m
11	EWS Building	Parking + 11 floors	36.75 m
12	Building K (Parking building)	2 Parking floors	6.65 m
13	Amenity Building (Commercial)	Basement + Lower ground + Upper ground + 4 floors	16.75 m
14	Building L (Commercial)	Lower Ground + Upper Ground+2 floors	8.52 m
15	Club houses (2 no's)	Ground + 1 floor	9 m & 8.30 m

23.Number of tenants and shops	Residential : 909 flats Amenity Building: 24 shops, 46 halls / offices (Area : 2628.49 sq. M) Commercial building: 18 shops & 9 offices (Area : 612.67 sq. M)
24.Number of expected residents / users	Residential : 4545 no's Commercial (Amenity + Commercial bldg) : 1526 no's
25.Tenant density per hectare	250 /Ha
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Existing 18 m DP road.
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.00 m
29.Existing structure (s) if any	As per earlier EC received the construction done which is : Bldg A (up to 10 floor), Bldg B(up to 15 floor), Bldg C, D, E, EWS (completed), Club house, J bldg podium, UGT (2 no's), STP (2 no's), Transformer, OWC.
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	PCMC
	Fresh water (CMD):	366.50
	Recycled water - Flushing (CMD):	198
	Recycled water - Gardening (CMD):	84.66
	Swimming pool make up (Cum):	20
	Total Water Requirement (CMD) :	669.16
	Fire fighting - Underground water tank(CMD):	1200
	Fire fighting - Overhead water tank(CMD):	30 KLD(Residential + Commercial)
	Excess treated water	299.56
Wet season:	**Source of water**	PCMC
	Fresh water (CMD):	366.50
	Recycled water - Flushing (CMD):	198
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	20
	Total Water Requirement (CMD) :	584.50
	Fire fighting - Underground water tank(CMD):	1200
	Fire fighting - Overhead water tank(CMD):	30 KLD(Residential + Commercial)
	Excess treated water	384.22
Details of Swimming pool (If any)	• Dimension of Swimming Pool: Swimming pool : 17.80 X 8.51 X [(1.20+0.90)/2] , Baby Pool : 12.38 X 4.05 X [(0.45+0.60)/2] , Reflecting Pool :6.90 X 5.10 X 0.60, Bubbler Pool : 38.75 sq. m X 0.60 • Total water Requirement in KLD : 230 CUM • Water requirement for make up in KLD: 20 CUM • Capital Cost: Rs. 34,50,000 /- • O & M cost: - Rs. 3,45,000 /-	

33.Details of Total water consumed

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

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	10-30 m
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	11 no’s
	Size of recharge pits :	2.75 x 2.75 x 2.25 M
	Budgetary allocation (Capital cost) :	Rs. 11,00,000 /-
	Budgetary allocation (O & M cost) :	Rs. 1, 50,000 /-
	Details of UGT tanks if any :	Domestic UG tank Capacity (cum) : 635.5 Cum Flushing tank Capacity(cum) : 198.5 Cum Fire UG tank Capacity (cum) : 1200 Cum
35.Storm water drainage	**Natural water drainage pattern:**	As per contour
	Quantity of storm water:	34.80 Cum/Min
	Size of SWD:	900mm dia pipe 1 no.
Sewage and Waste water	**Sewage generation in KLD:**	612.87 KLD
	STP technology:	MBBR technology
	Capacity of STP (CMD):	STP 1 (Residential) – 561 KLD , STP 2 (EWS bldg) – 27 KLD, STP3 (Amenity + Commercial Bldg)- 27 KLD
	Location & area of the STP:	Areas : STP1 - 215 sq. m , STP2 - 25 sq. m , STP 3 - 25 sq. m
	Budgetary allocation (Capital cost):	Rs. 90,00,000 /-
	Budgetary allocation (O & M cost):	Rs. 10,00,000 /-

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Total waste : 50 kg/day(Wet waste – 30 kg/day , Dry waste – 20 kg/day)
	Disposal of the construction waste debris:	The construction waste will be used within the site for levelling purpose and base course preparation of internal approach roads
Waste generation in the operation Phase:	**Dry waste:**	1061.6 kg/day
	Wet waste:	1439.8 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	45 Kg/day
	Others if any:	E-waste : 10.4 kg/day

Mode of Disposal of waste:	**Dry waste:**	To authorized vendor SWACH
	Wet waste:	Treatment of OWC
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be used as a manure
	Others if any:	E-waste To authorized vendor SWACH
Area requirement:	**Location(s):**	Shown in plan
	Area for the storage of waste & other material:	OWC 1 (For residential) : 142 sq. M , OWC 2(Amenity & comm.) : 21 sq. M , OWC 3(Comm.) : 18 sq. m
	Area for machinery:	Considered in above
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 14,50,000 /-
	O & M cost:	Rs. 2,60,000 /-

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	RG area required: 4084.05 sq. m (10 %) RG area on podium : 5010 sq. m
	No of trees to be cut :	0
	Number of trees to be planted :	444
	List of proposed native trees :	Provided below
	Timeline for completion of plantation :	Up to completion of project

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Manikara zapota	Chikoo	26	Tropical fruit tree & bird attracting tree
2	Michelia champaca	Champa	26	Evergreen timber plant, ornamental
3	Mimu sopeselengi	Bakul	26	Evergreen tree, timber yielding and medicinal plant
4	Ficus benjamina	Weeping fig	26	Evergreen & bird attracting tree
5	Cassia fistula	Golden shower	26	Drought tolerant, ornamental & medicinal plant
6	Butea monosperma	Flame tree	26	Used in pesticide & dye preparation,
7	Cassia grandis	Pink shower	26	Drought tolerant, ornamental & medicinal plant
8	Saraca indica	Sitaashok	26	Evergreen medicinal plant
9	Roystonearegia	Royal palm	26	Nitrogen fixer, ornamental plant
10	Syzygium cumini	Jambhul	26	Fruit tree & bird attracting
11	Neolamarkia cadamba	Kadamba tree	26	Tropical fruit tree & bird attracting tree
12	Mangifera indica	Mango tree	26	Evergreen & bird attracting tree
13	Pongamiapinnata	karanj	26	Karanj is an important ayurvedic medicine
14	Phyllanthus officinalis	Awala	26	Evergreen medicinal and fruit plant
15	Psidiumguajava	Peru	26	Fruit tree
16	AzadirachtaIndica	Neem	27	Traditional medicinal Plant
17	Albizialebbeck	Shirish	27	Evergreen timber plant, ornamental
45.Total quantity of plants on ground				

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

Serial Number	Name	C/C Distance	Area m2
1	Durantaerecta	0.30	12.5
2	Duranta repens	0.30	12.5
3	Oleander pink	0.30	12.5

4	Oleander red	0.30	12.5
5	Oleander white	0.30	12.5
6	Tecoma castanifolia	0.30	12.5
7	Tabernaemontana coronatia	0.30	12.5
8	Durantaerecta	0.30	12.5
9	Tabernaemontana corymbosa variegated	0.30	12.5
10	Plumbago auriculata	0.30	12.5
11	Cassia biflora	0.30	12.5
12	Bouigainvellea glabra	0.30	12.5
13	Allamanda schotty compacta	0.30	12.5
14	Lagestromia indica	0.30	12.5
15	Hamelia patens	0.30	12.5
16	Tecoma stanse	0.30	12.5
17	Acalypha wikesiana	0.30	12.5
18	Cortaderia selloana	0.30	12.5
19	Dianella australiana	0.30	12.5
20	Tagetes erecta	0.30	12.5
21	Tecoma capensis	0.30	12.5
22	Galphimia glauca	0.30	12.5
23	Revenia spectabilis	0.30	12.5

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	45 KW
	DG set as Power back-up during construction phase	62.5 KVA
	During Operation phase (Connected load):	6424 KW , 8030 KVA
	During Operation phase (Demand load):	3145 KW , 39341 KVA
	Transformer:	6 x 630 KVA
	DG set as Power back-up during operation phase:	250 KVA & 200 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

1. Use of LED lights in Parking area, lift-lobby and stair-case
2. Using Solar system in Common Area Lighting & Street/ Landscape lights with LED lamps.
3. V3F drive is proposed for all lifts
4. Recommend to attain power factor of the installation near unity

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	LED Lamp & Fitting For Common (Parking, Floor Lobbies & Stair Case) + Landscape Area Lighting + Area Lighting (Street Light) + Solar Hot Water	20 %

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 2,05,00,000 /-
	O & M cost:	Rs. 10,00,000 /-

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	3 no's of STP	Rs. 90,00,000 /-	Rs. 10,00,000 /-
2	Rain Water Harvesting	11 no's	Rs. 11,00,000 /-	Rs. 1,50,000 /-
3	Solid Waste Management	3 no's of OWC	Rs. 14,50,000 /-	Rs. 2,60,000 /-
4	Green Belt Development	444 no's of trees	Rs. 62,65,197 /-	Rs. 5,11,068 /-
5	Energy details	Solar hot water +Solar PV panels	Rs. 2,05,00,000 /-	Rs. 10,00,000 /-
6	Swimming pool	-	Rs. 34,50,000 /-	Rs. 3,45,000 /-
7	Environmental Monitoring	EMP costing	MoEFCC approved laboratory	Rs. 8,90,000 /-

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Existing 18 m DP road.
Parking details:	**Number and area of basement:**	No
	Number and area of podia:	2 no's of podiums, Area : 7988.8 sq. m
	Total Parking area:	21777.28 sq. M
	Area per car:	12.5 sq. M as per DC rule
	Area per car:	12.5 sq. M as per DC rule
	Number of 2-Wheelers as approved by competent authority:	Scooters : 2016 , Cycles : 1884
	Number of 4-Wheelers as approved by competent authority:	619
	Public Transport:	Pune city buses
	Width of all Internal roads (m):	6.00 m
	CRZ/ RRZ clearance obtain, if any:	No
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	None within 10 km
	Category as per schedule of EIA Notification sheet	B2
	Court cases pending if any	No
	Other Relevant Informations	NA

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

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

Brief information of the project by SEAC

PP had submitted application for prior Environmental clearance for total plot area of 64546.32 m2, FSI area of 75812.25 m2, Non FSI area of 69880.69 m2 and total BUA of 145692.94 m2.

The building configuration of the proposal is as below:

1	Building A	Parking + 21 floors	Height 67.66 m
2	Building B	Parking + 21 floors	Height 67.66 m
3	Building C	Parking + 21 floors	Height 67.25 m
4	Building D	Parking + 21 floors	Height 67.66 m
5	Building E	Parking + 21 floors	Height 67.25 m
6	Building J (Parking building)	2 Parking floors	Height 6.84 m
7	Building F	Parking + 21 floors	Height 67.66 m
8	Building G	Parking + 21 floors	Height 67.25 m
9	Building H	Parking + 21 floors	Height 67.66 m
10	Building I	Parking + 21 floors	Height 67.81 m
11	EWS Building	Parking + 11 floors	Height 36.75 m
12	Building K (Parking building)	2 Parking floors	6.65 m
13	Amenity Building (Commercial)	B + LG +UG + 4 floors	Height 16.75 m
14	Building L (Commercial)	Lower Ground + Upper Ground+2 floors	Height 8.52 m
15	Club houses (2 no's)	Ground + 1 floor	Height 9 m & 8.30 m

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

DECISION OF SEAC

During discussion following points emerged:

1. PP to submit CFO NOC.

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

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

101 SEAC-3 Day 03

SEAC Meeting number: 101 **Meeting Date** January 11, 2020

Subject: Environment Clearance for Proposed Residential & Commercial project at S. no. 72 (P) , Wakad, Pune by Mr. Shankar Tukaram Wakadkar & Panduranag Tukaram Wakadkar

Is a Violation Case: No

1.Name of Project	Proposed Residential & Commercial project at S. no. 72 (P) , Wakad, Pune by Mr. Shankar Tukaram Wakadkar & Panduranag Tukaram Wakadkar
2.Type of institution	Private
3.Name of Project Proponent	Mr. Shankar Tukaram Wakadkar & Panduranag Tukaram Wakadkar
4.Name of Consultant	Ms. Sayali Jagtap-Approved EIA Coordinator
5.Type of project	Residential & Commercial project.
6.New project/expansion in existing project/modernization/diversification in existing project	NEW
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No
8.Location of the project	S. no. 72 (P) , Wakad, Pune
9.Taluka	Mulshi
10.Village	Wakad
Correspondence Name:	Mr. Shankar Nimbalkar
Room Number:	309
Floor:	-
Building Name:	S.NO.143/5,ABOVE VIJYA BANK,OPP.LAKSHDEEP PALACE,
Road/Street Name:	PIMPLE SAUDAGAR
Locality:	PIMPLE SAUDAGAR
City:	Pune
11.Whether in Corporation / Municipal / other area	Pimpri Chinchwad Municipal Corporation (PCMC)
12.IOD/IOA/Concession/Plan Approval Number	Received
	IOD/IOA/Concession/Plan Approval Number: BP/EC/Wakad/17/2019 dated 25.11.2019
	Approved Built-up Area: 42383.82
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.)	11439.52 sq. m
16.Deductions	3509.5 sq. m
17.Net Plot area	7930.02 sq. m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 19126.72 sq. m
	b) Non FSI area (sq. m.): 23257.10 sq. m
	c) Total BUA area (sq. m.): 42383.82
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 19126.72 sq. m
	Approved Non FSI area (sq. m.): 23257.10 sq. m
	Date of Approval: 25-11-2019
19.Total ground coverage (m2)	2121.20 sq. m
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	24.34 %
21.Estimated cost of the project	901785370

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building A(Commercial)	LB+UB+G+09 floors	36 m
2	Building B	2 P +12 floors	34.80 m
3	Building C	2 P +12 floors	34.80 m
4	Building D	2 P +12 floors	34.80 m
5	Club house	G + 1	6.55 m

23.Number of tenants and shops	Residential : 187 no's of flats Commercial building.
24.Number of expected residents / users	Residential : 935 persons, Commercial floating population : 1378 persons
25.Tenant density per hectare	359 / ha
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	24 m & 18 m wide DP road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.00 m
29.Existing structure (s) if any	Labour camps
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):	111.71
	Recycled water - Flushing (CMD):	76.53
	Recycled water - Gardening (CMD):	12.97
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	201.21
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	20 for each Bldg
	Excess treated water	62.97
Wet season:	**Source of water**	PCMC
	Fresh water (CMD):	111.71
	Recycled water - Flushing (CMD):	76.53
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	188.24
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	20 for each Bldg
	Excess treated water	75.94
Details of Swimming pool (If any)	No	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	4.40 to 10.40 BGL
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	06
	Size of recharge pits :	2 m x 2 m 2 m
	Budgetary allocation (Capital cost) :	Rs. 3,75,000 /-
	Budgetary allocation (O & M cost) :	Rs. 30,000 /-
	Details of UGT tanks if any :	Domestic UG tank Capacity (cum) : 184.80 KLD Flushing tank Capacity(cum) : 94.13 KLD Fire UG tank Capacity (cum) : 300 KLD
35.Storm water drainage	**Natural water drainage pattern:**	As per contour
	Quantity of storm water:	6.63 m3 / min
	Size of SWD:	450 mm dia
Sewage and Waste water	**Sewage generation in KLD:**	169.41KLD
	STP technology:	MBBR technology
	Capacity of STP (CMD):	170 KLD
	Location & area of the STP:	Area : 150 sq. m
	Budgetary allocation (Capital cost):	Rs. 16,50,000 /-
	Budgetary allocation (O & M cost):	Rs. 2,28,000 /-
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	30 kg.day
	Disposal of the construction waste debris:	Will be used within site premises.
Waste generation in the operation Phase:	**Dry waste:**	352.36 kg/day
	Wet waste:	390.74 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	14.23 kg/day
	Others if any:	E-waste : 5.1 kg/day

Mode of Disposal of waste:	**Dry waste:**	To authorized vendor
	Wet waste:	Treatment of OWC
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be used as manure
	Others if any:	E-waste - will be handed over to authorized vendor
Area requirement:	**Location(s):**	Shown in plan
	Area for the storage of waste & other material:	50 sq. m
	Area for machinery:	Considered in above
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 13,14,880 /-
	O & M cost:	Rs. 2,20,320 /-

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 :**	RG area required (10 %) : 881.26 sq. m
	No of trees to be cut :	0
	Number of trees to be planted :	112
	List of proposed native trees :	Provided below
	Timeline for completion of plantation :	Up to completion of project

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadiracta indica	Neem	19	A medium to large size hardy tree that stand in drought conditions. Attain a much larger size in dry regions.
2	Spathodia campanulata	Pitchkari	08	A handsome large deciduous flowering tree. Good for roadside plantation.
3	Lagerstromia flos-regineae	Taman	03	State flower tree of Maharashtra Medium sized tree with purple flowers, grows well in both dry and humid area
4	Jacaranda mimosifolia	Jacaranda	01	Medium size gracious deciduous, flowering tree which prefers moderate climate.
5	Putranjiva roxburghii	Putranjiva	03	Shady tree with red-yellow flowers.
6	Khaya senghalis	Khaya	19	Large road side tree
7	Cassia fistula	Bahawa	04	Small deciduous tree. Excellent flowering tree for arid regions.
8	Bombax ceiba	katesaver	03	Large deciduous tree. Flowers attract many birds.
9	Butea monosperma	Palas	04	Small Deciduous. Good for roadside plantation.
10	Caryota urens (potted)	Fishtail palm	10	Tall evergreen tree
11	Albizia lebbeck	Shirish	15	Shady, large tree, ball shaped flowers
12	Menilkara zapota	Chiku	06	Fruit tree
13	Plumeria alba	Champa	10	Ornamental flowering tree
14	Psidium guajava	Guava	09	Fruit tree
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	30 KW
	DG set as Power back-up during construction phase	50 KVA
	During Operation phase (Connected load):	2431.03 KW
	During Operation phase (Demand load):	1424.72 KW
	Transformer:	3 x 630 KVA
	DG set as Power back-up during operation phase:	160 KVA & 82.5 KVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	No

48.Energy saving by non-conventional method:

1. As per MSEDCL requirements, we planned to use high efficiency Transformer & to reduce losses. Losses for Transformer will be as per IS standards & ECBC norms.
2. We are planning to keep power factor of the common load installation near unity.
3. Following are the Energy efficient fixtures should be used in our project for energy conservation :-
3.1 Energy efficient LED fixtures are proposed for bracket lights provided of all buildings.
3.2 LED lighting fixtures are proposed for general lighting for common passages, staircase & terrace area.
3.3 The estimated saving in common area lighting consumption is up to 14.60 % due to adopting above measures.
4. Solar Heating System is being proposed for Hot water to be used in Toilets of each apartment.
5. V3F drive motors should be used for lifts, which saves 30% energy consumption

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	LED fixtures + Solar hot water + solar PV	14.60 %

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. 62,38,388
	O & M cost:	Rs. 1,27,220 /-

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air	Erosion control – dust suppression measures and barricading	Rs. 1,06,000 /-
2	Land	Site Sanitation	Rs. 26,500 /-

3	Health & safety	Site Safety	Rs.88,000 /-
4	Environment management	Environmental Monitoring	Rs. 1,20,000/-
5	Health & safety	Disinfection and Health Check-ups	Rs. 45,000 /-

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	1 STP	Rs. 16,50,000 /-	Rs. 2,28,000 /-
2	Rain Water Harvesting	04 pits	Rs. 3,75,000 /-	Rs. 30,000 /-
3	Solid Waste Management	1 OWC	Rs. 13,14,880 /-	Rs, 2,20,320 /-
4	Green Belt Development	158 trees	Rs. 17,62,400 /-	Rs. 95,160 /-
5	Energy details	LED fixtures +Solar hot water & PV	Rs. 62,38,388 /-	Rs. 1,27,220 /-
6	Environmental Monitoring	Environment management	-	Rs. 8,90,000 /-

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	24 m & 18 m wide DP road

Parking details:	**Number and area of basement:**	Yes
	Number and area of podia:	Yes
	Total Parking area:	6400.1 sq. m as per DC rule
	Area per car:	12.5 sq. m as per DC rule
	Area per car:	12.5 sq. m as per DC rule
	Number of 2-Wheelers as approved by competent authority:	Scooter- 842 , Cycles - 544
	Number of 4-Wheelers as approved by competent authority:	249
	Public Transport:	Pune city buses
	Width of all Internal roads (m):	6.00 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	None within 10 km
	Category as per schedule of EIA Notification sheet	B2
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

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

Brief information of the project by SEAC

PP had submitted application for prior Environmental clearance for total plot area of 11439.52 m2, FSI area of 18276.20 m2, Non FSI area of 24597.54 m2 and total BUA of 42873.74 m2.

The building configuration of the proposal is as below:

1 Building A(Commercial) LB+UB+G+10 floors Height 32.80 m

2 Building B 2 P +12 floors Height 34.80 m

3 Building C 2 P +12 floors Height 34.80 m

4 Building D 2 P +12 floors Height 34.80 m

5 Club house G + 1 Height 6.55 m

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

DECISION OF SEAC

During discussion following points emerged:

1. PP to submit CFO NOC.

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

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

SEAC Meeting number: 101 **Meeting Date** January 11, 2020

Subject: Environment Clearance for Proposed Residential and Commercial Development

Is a Violation Case: Yes

1.Name of Project	Proposed Residential and Commercial Development
2.Type of institution	TOR
3.Name of Project Proponent	Bhujbal Family
4.Name of Consultant	M/s Enviro Resources
5.Type of project	Housing
6.New project/expansion in existing project/modernization/diversification in existing project	Not applicable
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	S.No. 67, H. No. 2+4 to 7+9 to 11 and H. No. 8A+3+1
9.Taluka	Haveli
10.Village	Kothrud
Correspondence Name:	Mr Suraj Bhujbal
Room Number:	S. No. 160
Floor:	NA
Building Name:	Bhujbal House
Road/Street Name:	NA
Locality:	Kothrud
City:	Pune
11.Whether in Corporation / Municipal / other area	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	CC/2500/17 dated 29.12.2017
	IOD/IOA/Concession/Plan Approval Number: CC/2500/17 dated 29.12.2017
	Approved Built-up Area: 79080
13.Note on the initiated work (If applicable)	We have constructed as per old sanctions
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	54000
16.Deductions	443.13
17.Net Plot area	53556.87
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 70,818.59
	b) Non FSI area (sq. m.): 64,046.72
	c) Total BUA area (sq. m.): 134865.30
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 70,818.59
	Approved Non FSI area (sq. m.): 64,046.72
	Date of Approval: 02-12-2017
19.Total ground coverage (m2)	9737.06
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	18.18
21.Estimated cost of the project	153

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A1	B1+P+5	7.30
2	A2	G+1	17.30
3	A3	P+5	19.95
4	A4	P+6	7.30
5	A5	G+1	7.30
6	B 1	P+6	19.95
7	B 2	P+11	35.70
8	B 3	P+5	17.85
9	B 4	P+6	20.10
10	B 5	P+7	22.80
11	B 6	P+5	17.10
12	B 7	SEMBES+P+11	36.0
13	B 8	SEMBES+P+11	36.0
14	B 9	P+10	31.35
15	B 10	B+G+P+15	35
16	C 1	P+10	23.90
17	C 2	P+11	10.05
18	C3	LP+G+2	36.65
19	C 4	L.P+G+7	23.90
20	C 5	L.P+G+2	10.05
21	C 6	LP+PP+11	38.55
22	C 7	LP+PP+11	38.55
23	C 8	P+11	35.55
24	C 9	P+11	36.0
25	C 1 0	M.S + P+11	36.65
26	D1	B1+B2+G+P+15	48.75
27	D2	B1+B2+G+P+15	48.75
28	D3	B1+B2+G+P+P1+14	49.90
29	D4	B1+B2+G+P+15	48.75
30	D5	B1+B2+G+P+15	48.75
31	E1 to E4 Commercial	Semi Base /G+6	23.10

23.Number of tenants and shops	Residential = Existing – 521Nos. Proposed – 674 Nos. Total - 1195 Shop – 2821.84 Sq.mt.
24.Number of expected residents / users	Residential - Existing – 2605 Nos. Proposed – 3370 Nos. Total - 5975 Floating – 300
25.Tenant density per hectare	240.93
26.Height of the building(s)	

27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	16M WIDE ROAD KOTHRUD FIRE STATION
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	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):	Existing – 234 Proposed – 304
	Recycled water - Flushing (CMD):	Existing – 117 Proposed – 152
	Recycled water - Gardening (CMD):	37
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	493
	Fire fighting - Underground water tank(CMD):	500
	Fire fighting - Overhead water tank(CMD):	1076 (for all building
	Excess treated water	151

Wet season:	**Source of water**	PMC
	Fresh water (CMD):	Existing – 234 Proposed – 304
	Recycled water - Flushing (CMD):	Existing – 117 Proposed – 152
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	456
	Fire fighting - Underground water tank(CMD):	500
	Fire fighting - Overhead water tank(CMD):	1076 (for all building
	Excess treated water	151
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	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 m to 7.5 m
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	21 no's (Existing 13 + Proposed 8
	Size of recharge pits :	2M x 2 M
	Budgetary allocation (Capital cost) :	21.0 lACS
	Budgetary allocation (O & M cost) :	0.42 LACS
	Details of UGT tanks if any :	NA

35.Storm water drainage	**Natural water drainage pattern:**	South – Waste Corner
	Quantity of storm water:	12.00 m3 / sec
	Size of SWD:	450mm Dia.
Sewage and Waste water	**Sewage generation in KLD:**	409KLD
	STP technology:	MBBR technology
	Capacity of STP (CMD):	1NO. OF 410 KL
	Location & area of the STP:	AS PER LAYOUT
	Budgetary allocation (Capital cost):	35.0Lacs
	Budgetary allocation (O & M cost):	14.0Lacs

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 within site for leveling
Waste generation in the operation Phase:	**Dry waste:**	Existing - 352 Proposed – 674
	Wet waste:	Existing - 821 Proposed – 1011
	Hazardous waste:	Nil
	Biomedical waste (If applicable):	Nil
	STP Sludge (Dry sludge):	66 kg/day
	Others if any:	Not any
Mode of Disposal of waste:	**Dry waste:**	Through authorised vendor
	Wet waste:	Through Organic waste composting machine
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	used as manure within site
	Others if any:	Not any
Area requirement:	**Location(s):**	As per layout
	Area for the storage of waste & other material:	130 sq. m
	Area for machinery:	considered in above area
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	36.50Lacs
	O & M cost:	8.54 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	Diesel	Diesel	Diesel	Diesel

41.Source of Fuel	near by pumps
42.Mode of Transportation of fuel to site	via road

43.Green Belt Development	**Total RG area :**	5355.66 Sq. m.
	No of trees to be cut :	0
	Number of trees to be planted :	670
	List of proposed native trees :	670
	Timeline for completion of plantation :	Till the completion of project

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Mangifera indica	Mango	30	Fruit bearing evergreen tree
2	Psidium guajava	Peru	30	Fruit bearing evergreen tree
3	Moringa oleifera	Shevga	40	Fruit bearing evergreen tree
4	Muntingia calabura	Singapur chery	50	Fruit bearing evergreen tree
5	Ficus benjamina	Umber	25	Fruit bearing evergreen tree

6	Terminalia catapa	Badam	25	Fruit bearing tree
7	Tamarindus indica	Chinch	20	Fruit bearing evergreen tree
8	Ziziphus mauritiana	Bor	30	Fruit bearing tree
9	Cocos nucifera	Coconut	40	Fruit bearing evergreen tree
10	Syzygium cumini	Jambhul	50	Fruit bearing evergreen tree
11	Saraca asoca.	sita ashok	40	Flower bearing evergreen tree
12	Lagerstroemia speciosa.	Tamhan	35	Deciduos tree
13	Peltophorum pterocarpum	copper pod	30	evergreen tree
14	Neolamarckia cadamba	Kadamb	35	evergreen tree
15	Polyalthia longifolia	Ashok	25	evergreen tree
16	Samania saman	rain tree	50	evergreen tree
17	Acrus sapota variety	Chickoo	30	Fruit bearing evergreen tree
18	Cassia Fistula	Bhava	35	Cassia fistula the golden shower tree is a medium-size tree, full yellow flowers during summer season, Grows in less soil & growing to 10-20 m tall with fast growth, ,larval host for butterflies.
19	Nyctanthes arbortristic	Parijatak	20	Parijatak is a shrub or small flowering tree growing to 10 M tall
20	Michelia champaca	Sonchafa	20	Michelia champaca is a large evergreen and fragrant flower tree
21	Pongamia glabra	Karanj	20	Pogamia pinnata is a legume tree that grows to about 15-25 M in height with a large canopy which spreads equally wide.
22	Millingtonia tree	Buch	35	The tree grows to height of between 18 and 25 m and has a spread of 7 to 11 m. It reaches maturity between 6 and 8 years of age and lives for up to 40 years. It is a versatile tree which can grow in various soil types and climates with a preference for moist climates; the tree is evergreen and has an elongated pyramidal stem.
23	Bauhinia racemosa	Aapta	30	It is a small crooked tree with drooping branches that grows 3–5 m (10–16 FT) tall and flowers between February and May. The leaves are used in the production of beedi, a thin Indian cigarette
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)	100kVA
	DG set as Power back-up during construction phase	62.5 KVA
	During Operation phase (Connected load):	Phase 1 – 3058 Phase 2 -4397
	During Operation phase (Demand load):	Phase 1 – 1424 Phase 2 -2159
	Transformer:	Phase 1 – 2 X 630 kVA Phase 2 - 4X 630 kVA
	DG set as Power back-up during operation phase:	Phase 1 – 1 X 200 Phase 2 –11 X 82.5
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	No

48.Energy saving by non-conventional method:

• Solar water heating systems will be done for bathrooms.
• Solar lights will be provided for common amenities like Street lighting & Garden lighting.
• CFL & LED based lighting will be done in the common areas, landscape areas, signage's, entry gates and boundary compound walls etc.
• Auto Timer switches will be provided for Street lights, Garden lights, Parking & staircase Lights & other common area Lights, for saving electrical energy.
• Water level controllers with timers will be used for Water pumps.
• To create awareness to end consumer or flat owner, for using energy efficient light fittings like CFL, T5 Lamps & LED lights

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar Energy (PV Panels)	0.50%
2	Auto. Timer Logic Controller	6.10 %
3	Electronic VVF drive for Lifts	1.49 %
4	Solar Water heater	13.48 %

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Sewage	Not applicable	STP
Emission	DG sets with stack	DG sets with stack
MSW	Sent to PMC	OWC

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	845.29lacs
	O & M cost:	19.88lacs/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 Air & Noise monitoring	1.68
2	WATER ENVIRONMENT	Tanker water for construction water monitoring	3.0
3	LAND ENVIRONMENT	SITE SANITATION	6.0
4	BIOLOGICAL ENVIRONMENT	Landscaping	5
5	SOCIO- ECONOMIC ENVIRONMENT	DISINFECTION- PEST CONTROL first aid facilites HEALTH CHECK UP Creches for children Personal protective equipment	7.75

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	Treatment of Sewage	35.0	14.0
2	Rain Water Harvesting	pits	21	0.42
3	Solid Waste Management	OWC	36.50	8.54
4	Green Belt Development	Landscaping	50.15	7.75
5	Electrical	Energy saving	845.29	19.88
6	Environmental Monitoring	Environmental Monitoring	out side lab	10.20

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:	15m wide DP road

Parking details:	**Number and area of basement:**	6 basement having 5581.41
	Number and area of podia:	NA
	Total Parking area:	35,523.78
	Area per car:	30
	Area per car:	30
	Number of 2-Wheelers as approved by competent authority:	Existing – 1,048 Proposed – 1,018
	Number of 4-Wheelers as approved by competent authority:	Existing – 523 Proposed - 509
	Public Transport:	VIA BUS
	Width of all Internal roads (m):	6M
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8(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

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

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

Brief information of the project by SEAC

PP had submitted application for prior Environmental clearance for total plot area of 54000 m2, FSI area of 70818.59 m2, Non FSI area of 64046.72 m2 and total BUA of 134865.30 m2.

The building configuration of the proposal is as below:

1	A1	B1+P+5	Height 7.30 m
2	A2	G+1	Height 17.30m
3	A3	P+5	Height 19.95m
4	A4	P+6	Height 7.30m
5	A5	G+1	Height 7.30m
6	B 1	P+6	Height 19.95m
7	B 2	P+11	Height 35.70m
8	B 3	P+5	Height 17.85m
9	B 4	P+6	Height 20.10m
10	B 5	P+7	Height 22.80m
11	B 6	P+5	Height 17.10m
12	B 7	SEMBES+P+11	Height 36.0m
13	B 8	SEMBES+P+11	Height 36.0m
14	B 9	P+10	Height 31.35m
15	B 10	B+G+P+15	Height 35m
16	C 1	P+10	Height 23.90m
17	C 2	P+11	Height 10.05m
18	C3	LP+G+2	Height 36.65m
19	C 4	L.P+G+7	Height 23.90m
20	C 5	L.P+G+2	Height 10.05m
21	C 6	LP+PP+11	Height 38.55m
22	C 7	LP+PP+11	Height 38.55m
23	C 8	P+11	Height 35.55m
24	C 9	P+11	Height 36.0m
25	C 1 0	M.S + P+11	Height 36.65m
26	D1	B1+B2+G+P+15	Height 48.75m
27	D2	B1+B2+G+P+15	Height 48.75m
28	D3	B1+B2+G+P+P1+14	Height 49.90m
29	D4	B1+B2+G+P+15	Height 48.75m
30	D5	B1+B2+G+P+15	Height 48.75m
31	E1 to E4 Commercial	Semi Base /G+6	Height 23.10m

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

DECISION OF SEAC

During discussion following points emerged:

1. PP to submit details of CER activities in consultation with the affected people in the project area as per MoEF & CC circular dated 1/05/2018 along with details of fund utilization & agreement or consent of executor.

2. PP to submit detailed disaster management plan.

3. PP to submit contour map with slopes, drainage pattern of the site and surrounding area. Layout showing natural water courses on site; total runoff calculation before and after development.

4. PP to show internal storm water drain and sewer line arrangements up to final disposal point.

5. A detailed phase wise development plan with safety planning where occupancy has been given.

6. PP to submit remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.

7. PP to submit co-ordinated master layout superimposing all environmental parameters.

8. PP to submit details of UGT.

9. PP to obtain and submit following NOC's: (a) CFO NOC, (b) solid waste / e-waste management. (c) Garden NOC.

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

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

101 SEAC-3 Day 03

SEAC Meeting number: 101 **Meeting Date** January 11, 2020

Subject: Environment Clearance for Environment Clearance for Proposed project "Sai Proviso Emporis " at Plot No. 27/1 & 30 at Rajiv Gandhi Infotech Park, Phase-II, Hinjewadi-Pune-57, Taluka Mulshi, Dist.-Pune

Is a Violation Case: No

1.Name of Project	Sai Proviso Emporis
2.Type of institution	Private
3.Name of Project Proponent	Mr. Sanjay Gawande for M/s. EMPORIS INFORMATION TECHNOLOGIES LLP
4.Name of Consultant	Enviro Analysts & Engineers Pvt Ltd.
5.Type of project	Commercial
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	Plot No. 27/1 & 30 at Rajiv Gandhi Infotech Park, Phase-II, Hinjewadi-Pune-57, Taluka Mulshi, Dist.-Pune
9.Taluka	Mulshi
10.Village	Hinjewadi
Correspondence Name:	Mr. Sanjay Gawande
Room Number:	1201/1301
Floor:	12th & 13th Floor
Building Name:	Bhumiraj Costarica
Road/Street Name:	Plot No. 1 & 2, Sector 18, Palm Beach Road
Locality:	Sanpada
City:	Navi Mumbai - 400705
11.Whether in Corporation / Municipal / other area	MIDC, Hinjewadi Phase II
12.IOD/IOA/Concession/Plan Approval Number	No. EE /IT/Plans/ A-42138 /of 2019.) Dated- 31.01.2019
	IOD/IOA/Concession/Plan Approval Number: No. EE /IT/Plans/ A-42138 /of 2019.) Dated- 31.01.2019
	Approved Built-up Area: 12111.92
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.)	6000 m2
16.Deductions	Nil
17.Net Plot area	6000 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 18000 m2
	b) Non FSI area (sq. m.): 12316.33 m2
	c) Total BUA area (sq. m.): 30316.33
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 3351.87 m2
	Approved Non FSI area (sq. m.): 8760.05 m2
	Date of Approval: 31-01-2019
19.Total ground coverage (m2)	2185.28 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	36.42 % on net plot area
21.Estimated cost of the project	750000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Commercial Building	2 Basement +Ground + 9 Upper Floors	36.0

23.Number of tenants and shops	NA
24.Number of expected residents / users	4165 No. (Fixed+ Floating)
25.Tenant density per hectare	NA
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	30m wide road (Nearest Fire Station at Hinjewadi Phase 3 It about is 2 km away)
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	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	NA	NA	NA	Not applicable

32.Total Water Requirement

Dry season:	**Source of water**	MIDC
	Fresh water (CMD):	107
	Recycled water - Flushing (CMD):	79
	Recycled water - Gardening (CMD):	1
	Swimming pool make up (Cum):	60 for Cooling Tower Make up
	Total Water Requirement (CMD) :	247
	Fire fighting - Underground water tank(CMD):	100
	Fire fighting - Overhead water tank(CMD):	40
	Excess treated water	16
Wet season:	**Source of water**	MIDC
	Fresh water (CMD):	107
	Recycled water - Flushing (CMD):	79
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	60 for Cooling Tower Make up
	Total Water Requirement (CMD) :	246
	Fire fighting - Underground water tank(CMD):	100
	Fire fighting - Overhead water tank(CMD):	40
	Excess treated water	17
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	NA	107	107	NA	21	21	NA	86	86
Domestic	NA	79	79	NA	0	0	NA	79	79
Gardening	NA	1	1	NA	1	1	NA	0	0

Cooling tower & thermopack	NA	60	60	NA	60	60	NA	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Water table : BGL 6-7 m
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	3 Nos.
	Size of recharge pits :	1.2m x 1.2m x 2.5m
	Budgetary allocation (Capital cost) :	Rs. 6.00 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 0.20 Lakhs/annum
	Details of UGT tanks if any :	• Domestic UG tank Capacity: 107 m3 • Fire UG tank Capacity: 100m3 • Treated Water Tank / Flushing Water Tank : 78.8 m3
35.Storm water drainage	**Natural water drainage pattern:**	Slope from NW to SE
	Quantity of storm water:	Quantity of Storm water 0.30m3 cum/sec
	Size of SWD:	External :- 450mm x 300 mm, Internal : 600mm x 300 mm
Sewage and Waste water	**Sewage generation in KLD:**	165 m3
	STP technology:	Advanced Oxidation Process
	Capacity of STP (CMD):	1 No., 185 m3 capacity
	Location & area of the STP:	on ground, 93.40 m2
	Budgetary allocation (Capital cost):	Rs. 21.50 Lakhs
	Budgetary allocation (O & M cost):	Rs. 2.5 l=Lakhs/ annum

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Solid waste: 23 kg/day , Excavation earth Quantity: 20,100 m3 Top soil: 900 m3
	Disposal of the construction waste debris:	The maximum construction waste will be used within the site for leveling purpose and base course preparation of internal approach roads.
Waste generation in the operation Phase:	**Dry waste:**	333 kg/day
	Wet waste:	499 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	9 kg//day
	Others if any:	E-waste: 2,19,000 kg per year

Mode of Disposal of waste:	**Dry waste:**	To be handed over to authorized vendor for further handling & disposal purpose
	Wet waste:	Wet waste will be treated in onsite organic waste converter machine .
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be used as manure
	Others if any:	E waste - Handed over to authorized recyclers for further handling & disposal purpose
Area requirement:	**Location(s):**	On ground
	Area for the storage of waste & other material:	35 m2
	Area for machinery:	Included in Total area
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 7.00 Lkahs
	O & M cost:	Rs. 0.20 Lakhs/annum

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	NA	NA	NA	NA	Not applicable
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	1250 kVA DG -4 Nos.	190.8lt/hr per DG	1	6m above Terrace	0.5	NA

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel	NA	656.35 kg/hr	656.35 kg/hr
41.Source of Fuel		Local Dealer		
42.Mode of Transportation of fuel to site		by road		

43.Green Belt Development	**Total RG area :**	NA
	No of trees to be cut :	None
	Number of trees to be planted :	60 Nos.
	List of proposed native trees :	Refer Below list:
	Timeline for completion of plantation :	Till operation phase

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadirachta indica	Neem	6	Good for restoration of dryer parts, good for air purifier and have medicinal properties
2	Albezzia lebbeck	Shirish	3	Good for restoration of dryer parts, good for air purifier and have medicinal properties
3	Cassia Fistula	Bahava	6	Have medicinal properties and larval host for butterflies
4	Bauhinia purpurea	Kanchan	6	Grow in less soil Draught Resistant
5	Murraya paniculata	Kunti	6	Blooms throughout the year, flowers with excellent fragrance
6	Michelia champaca	Son Chafa	6	Good for ornamental purpose.
7	Pongamia pinnata	Karanj	6	Host for butterflies, Nitrogen Fixing Plants
8	Acrus sapota	Chikku	3	Fruit bearing tree, attracts birds
9	Pyllanyhus emblica	Amla	3	Medicinal prperties
10	Psidim gava	Peru	3	Fruit Bearing Trees, Attrach Birds
11	Lagerstroemia flos-reginae	Tamhan	6	Good as a avenue tree good for group planting around water garden & ponds.
12	Saracaindica	Sita Ashok	6	Evergreen tree with rounded crown, hardy tree
13	TOTAL	-	60	-
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	30 kVA
	During Operation phase (Connected load):	5800 kW
	During Operation phase (Demand load):	3978 kW
	Transformer:	2000 kVA - 2 nos
	DG set as Power back-up during operation phase:	1250 kVA- 4 nos
	Fuel used:	Fuel Requirement FOR 1250 kVA Fuel Requirement :-763.2 lit./hr @ 75 % Load Stack Height-6 m above bldg..
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Total Energy saving by using energy saving measures- 14.14 %

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Savings due to lamp	26.00
2	Savings due to electronic ballast	8.00
3	Savings due to timer / sensor	16.00
4	Savings due to APFC Panel	14.00
5	Savings due to use of hydropneumatic pumping system / Ventilation & Lifts with VFD @ 15% minimum	14.00
6	Savings due to SOLAR Panel	22.00

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Waste water Treatment	NA	STP 185 KLD
Solid waste treatment	NA	ORGANIC WASTE CONVERTER OF REQUIRED CAPACITY

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 350 Lakhs
	O & M cost:	Rs. 10 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	Erosion control – dust suppression measures, barricading Monitoring and Testing	1.86
2	Water Environment	Monitoring and Testing Tanker for construction work, Water Testing, Drinking water for construction labours	1.5
3	Land Environment	sanitation	5.20
4	Biological Environment	Top Soil Preservation	1.50
5	Socio-economic environment	Disinfection- Pest Control, First Aid Facilities, Health Check Up, Personal Protective Equipment	1.76
6	Safety and Training	For contractors and labours	1.0

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	1 STP 185 KLD capacity	21.5	2.5
2	Solid Waste Management	1 No. OWC	7.00	0.20
3	Landscaping	Development and Maintenance	15.00	1.50
4	Rain Water Harvesting	RWH pits-3 Nos.	6.00	0.20
5	Energy Saving	Energy saving measures (Solar)	350.00	10.00
6	Environmental Monitoring	-	MoEF & CC approved lab	16.95
7	Basement dewatering	-	8.00	1.00

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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
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:	One Main Junction from Site to Main Road
Parking details:	**Number and area of basement:**	2
	Number and area of podia:	NA
	Total Parking area:	5520.35m2
	Area per car:	15.63 m2 with drive way
	Area per car:	15.63 m2 with drive way
	Number of 2-Wheelers as approved by competent authority:	-
	Number of 4-Wheelers as approved by competent authority:	396 Nos.
	Public Transport:	Local transport facility
	Width of all Internal roads (m):	6 m. wide internal road and 9 m. turning radius will be provided .
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8(a) B2 Building & Construction Project
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

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

Brief information of the project by SEAC

PP had submitted application for prior Environmental clearance for total plot area of 6000 m2, FSI area of 18000 m2, Non FSI area of 12316.33 m2 and total BUA of 30316.33 m2.

The building configuration of the proposal is as below:

1 Commercial Building 2 Basement +Ground + 9 Upper Floors Height 36.0 m

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

DECISION OF SEAC

During discussion following points emerged:

1. PP to submit energy saving calculations.

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

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

SEAC Meeting number: 101 **Meeting Date** January 11, 2020

Subject: Environment Clearance for Proposed Building Construction Project

Is a Violation Case: No

1.Name of Project	Proposed Building Construction Project by M/s. Chandrarang Developer & Builders Pvt. Ltd & M/s. Om Sai Constructions
2.Type of institution	Private
3.Name of Project Proponent	Mr. Vijay Pandurang Jagtap
4.Name of Consultant	S G M Enviro (I) Pvt. Ltd.
5.Type of project	Residential & Commercial Development 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. 251/1A,1B,1C & 253/4, (PLOT - A)
9.Taluka	Mulshi
10.Village	Wakad
Correspondence Name:	Mr. Vijay Pandurang Jagtap
Room Number:	-
Floor:	-
Building Name:	Jagtap Complex
Road/Street Name:	Shivaji Chowk
Locality:	Near PCMC School, Pimple Guraw
City:	Pune
11.Whether in Corporation / Municipal / other area	Pimpri Chinchwad Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	B.P/WAKAD/ 08/2019, DT.19.06.2019
	IOD/IOA/Concession/Plan Approval Number: B.P/WAKAD/ 08/2019, DT.19.06.2019
	Approved Built-up Area: 51233.30
13.Note on the initiated work (If applicable)	Not Applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	B.P/WAKAD/ 08/2019, DT.19.06.2019
15.Total Plot Area (sq. m.)	13000
16.Deductions	1647.98
17.Net Plot area	11352.02
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 25192.97
	b) Non FSI area (sq. m.): 26040.33
	c) Total BUA area (sq. m.): 51233.30
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 25192.97
	Approved Non FSI area (sq. m.): 26040.33
	Date of Approval: 19-06-2019
19.Total ground coverage (m2)	8560.98
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	65.85%
21.Estimated cost of the project	1637900000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building A- Commercial + MHADA+ Residential (5 Shops, 67 flats)	3P + 12	39.05
2	Residential: B building (70 No. of flats)	3P + 12	39.05
3	Residential: C building (70 No. of flats)	3P + 12	39.05
4	Residential: D building (70 No. of flats)	3P + 12	39.05
5	Residential: E building (70 No. of flats)	3P + 12	39.05
6	Residential: F Building (70 No. of flats)	3P + 12	39.05
7	Bungalow - 4 Nos.	G+1	7.95
8	Club House-1	G+1	7.80

23.Number of tenants and shops	No. of Tenements: - 421 (417 Flats + 04 Bungalows) No. of shops:-5 Shops
24.Number of expected residents / users	Residential user: 2105 No.s Commercial user: 25 No.s
25.Tenant density per hectare	180.70 Sq. m
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	24 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	Yes. At present there are 3 No. of existing bungalows which will be demolished.
30.Details of the demolition with disposal (If applicable)	At present there are 3 No. of existing bungalows which will be demolished. The waste that will get generated from the demolition will be used for leveling & backfilling.

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):	190.2
	Recycled water - Flushing (CMD):	95.1
	Recycled water - Gardening (CMD):	15
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	300
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	25
	Excess treated water	121
Wet season:	Source of water	PCMC
	Fresh water (CMD):	190.2
	Recycled water - Flushing (CMD):	95.1
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	285
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	25
	Excess treated water	136
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	285.3	285.3	Not applicable	28.53	28.53	Not applicable	256.77	256.77
Gardening	Not applicable	15	15	Not applicable	15	15	Not applicable	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Summer Season – 13.00 m. to 16.33 m. BGL. (14.67 M. BGL Average) Rainy Season – 5.00 m. to 7.67 BGL. (6.34 M. BGL Average) Winter Season – 9.00 m. to 12.00 m. BGL. (10.50 M. Average)
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	10 no.s
	Size of recharge pits :	2m. X 1 m. X 2 m. Filter pits
	Budgetary allocation (Capital cost) :	9.50 Lakh
	Budgetary allocation (O & M cost) :	1.00 Lakh / year
	Details of UGT tanks if any :	1)Domestic tank - 237.750 KLD 2) Drinking tank -47.550KLD 3) Flushing tank – 142.650 KLD 4) fire fighting tank -200KLD
35.Storm water drainage	**Natural water drainage pattern:**	Slope to the east side
	Quantity of storm water:	150.53 m3 / Day
	Size of SWD:	450 mm
Sewage and Waste water	**Sewage generation in KLD:**	256.77
	STP technology:	MBBR
	Capacity of STP (CMD):	1 STP of 260 CMD
	Location & area of the STP:	On ground
	Budgetary allocation (Capital cost):	45 Lacs
	Budgetary allocation (O & M cost):	10 Lacs/A
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	0.4 to 0.6 MT/day
	Disposal of the construction waste debris:	This material shall be used for back filling and leveling of the plot
Waste generation in the operation Phase:	**Dry waste:**	422.875kg/day
	Wet waste:	635.8 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	10 Kg/day
	Others if any:	E-waste: Negligible

Mode of Disposal of waste:	**Dry waste:**	To Authorized vendor of PCMC
	Wet waste:	Organic Waste Converter of 650 Kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	STP sludge will be used as manure.
	Others if any:	NA
Area requirement:	**Location(s):**	On ground
	Area for the storage of waste & other material:	42 Sq.m
	Area for machinery:	-
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	14 Lacs
	O & M cost:	3.5 Lacs/Annum

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	-	6.5-8	6.5-8	6.5-9
2	TSS	mg/l	200	10	50
3	BOD	mg/l	300	10	10
4	COD	mg/l	450	30	100
5	Oil & Grease	mg/l	10-50	1-5	10

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 1 - 200 KVA	Diesel- 34 lit./hr	1	5.62	-	-

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel for DG sets	Not applicable	34 Lit/hr	34 Lit/hr

41.Source of Fuel	Local vendor
42.Mode of Transportation of fuel to site	By road

43.Green Belt Development	**Total RG area :**	1300 Sq. m.
	No of trees to be cut :	4
	Number of trees to be planted :	163
	List of proposed native trees :	Given below
	Timeline for completion of plantation :	within a 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	Bombax ceiba	Cotton tree	10	Shady tree, Small white fragrant flower
2	Azadirachta Indica	Neem	9	Good Medicinal use
3	Mangifera Indica	Mango	8	Tall evergreen tree with fruit bearing
4	Areca catechu	Palm	5	Tall evergreen tree with fruit bearing
5	Pongamia pinnata	India beech	10	Good Medicinal use
6	Artocarpus heterophyllus	Jackfruit	6	Tall evergreen tree with fruit bearing
7	Albizia Lebbeck	Shirish	10	Fragrant flowers or leaves , Attract birds/ butterflies/ bees drought tolerant
8	Saraca Indica	Sita Ashok	14	Fragrant flowers or leaves, attract birds/ butterflies/ bees, Deep-green, Shiny foliage
9	Butea Monosperma	Palas	10	Fragrant flowers or leaves, Covering the entire crown plant for pooja
10	Lagerstromia flos-reginae	Jarul	6	Creates shade, attracts birds/ butterflies/ bees, Good for screening
11	Syzygium Cumini	Jamun	11	Tall evergreen tree with fruit bearing
12	Bauhinia purpuria	Raktakanchan	10	Fragrant flowers or leaves, plant for pooja, evergreen tree
13	Khaya Grandis	Khaya	10	evergreen tree
14	Cassia Fistula	Golden Shower	7	Auspicious attract birds/ butterflies/ bees/ hanging or weeping growth
15	Mimusops Elengi	Bakul	10	Shady tree, Small white fragrant flower
16	Terminalia catappa	Badam	11	Fruit bearing evergreen tree
17	Michelia Champka	Chapha	10	Ornamental flowering tree
18	Manilkara Zapota	Chikoo	6	NAtive, Fruit bearing tree

45.Total quantity of plants on ground	

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	30 - KW
	DG set as Power back-up during construction phase	40 - KVA
	During Operation phase (Connected load):	2342- KW
	During Operation phase (Demand load):	1047- KW
	Transformer:	630 KVA – 2.NOS
	DG set as Power back-up during operation phase:	200 KVA – 1.NO.
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Measures to reduce energy consumption :

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

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

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total of all Savings for (per year)	20 %

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Waste water	Not applicable	STP
Solid waste	Not applicable	OWC

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	53 Lacs
	O & M cost:	1.06 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	Drinking water	-	Capital cost -1, O & M Cost per annum- 0.10
2	Sanitation	-	Capital cost -12.5, O & M Cost per annum- 0.75
3	Health check up	-	Capital cost -1, O & M Cost per annum- 0.25
4	Labour Camp Management	-	Capital cost -3, O & M Cost per annum- 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	-	45	10
2	RWH System	-	9.5	1
3	Solid Waste Management -OWC etc.	-	14	3.5
4	Energy conservation	-	53	1.06
5	Landscaping	-	28	2
6	Environmental Monitoring	-	-	3

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

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

52.Any Other Information

No Information Available

53.Traffic Management

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

Parking details:	**Number and area of basement:**	1 No. of Basements Area of Basement :4200 Sq.m
	Number and area of podia:	Area Podium Parking =1691.20 Sq.m, Area Ground Parking =406.20 Sq.m, Area Lower Ground Parking =4479 .00 Sq.m
	Total Parking area:	10776.40Sq.m.
	Area per car:	For Basement: 35 Sq.m For lower ground & Ground (Podium) :30 Sq.m For Ground Open parking: 25 Sq. m
	Area per car:	For Basement: 35 Sq.m For lower ground & Ground (Podium) :30 Sq.m For Ground Open parking: 25 Sq. m
	Number of 2-Wheelers as approved by competent authority:	Scooter = 854 Cycle =846
	Number of 4-Wheelers as approved by competent authority:	215
	Public Transport:	Buses, Auto rickshaws, Train
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8(a) B2
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

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

Brief information of the project by SEAC

PP had submitted application for prior Environmental clearance for total plot area of 13000 m2, FSI area of 25192.97 m2, Non FSI area of 26040.33 m2 and total BUA of 51233.30 m2.

The building configuration of the proposal is as below:

1	Building A- Commercial +MHADA+ Residential (5 Shops, 67flats)	3P + 12	Height 39.05m
2	Residential: B building (70 No. of flats)	3P + 12	Height 39.05m
3	Residential: C building (70 No. of flats)	3P + 12	Height 39.05m
4	Residential: D building (70 No. of flats)	3P + 12	Height 39.05m
5	Residential: E building (70 No. of flats)	3P + 12	Height 39.05m
6	Residential: F Building (70 No. of flats)	3P + 12	Height 39.05m
7	Bungalow - 4 Nos.	G+1	Height 7.95m
8	Club House-1	G+1	Height 7.80m

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

DECISION OF SEAC

During discussion following points emerged:

1. PP to submit evacuation plan for entire project for occupants, visitors and as well as cars.

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

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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