Agenda of 68 th SEAC-3 Meeting (Day-3)

SEAC Meeting number: 68 **Meeting Date** August 25, 2018

Subject: Environment Clearance for for project by M/s Somani Realty

Is a Violation Case: No

1.Name of Project	"Somani Towers"
2.Type of institution	Private
3.Name of Project Proponent	Mr. Nitin Prabhudas Somani
4.Name of Consultant	M/s JV Analytical Services
5.Type of project	Residential & Commercial
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	S. No. 25/4/1+2+3, Punawale, Tehsil-Mulshi, Pune.
9.Taluka	Mulshi
10.Village	Punawale
Correspondence Name:	Mr. Nitin Prabhudas Somani
Room Number:	-
Floor:	-
Building Name:	S.No. 25.
Road/Street Name:	Near Lotus Business school.
Locality:	Pune-Mumbai Highway, Punawale.
City:	Pune-33
11.Area of the project	Pimpri Chinchwad Municipal Corporation (PCMC)
12.IOD/IOA/Concession/Plan Approval Number	Received
	IOD/IOA/Concession/Plan Approval Number: B.P./ENV/Punawale/07/2018
	Approved Built-up Area: 56443.10
13.Note on the initiated work (If applicable)	6330.22 m2
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Applicable-2033.31 m2
15.Total Plot Area (sq. m.)	11700.00 m2
16.Deductions	1559.03 m2
17.Net Plot area	10140.97 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 25197.44 m2
	b) Non FSI area (sq. m.): 31236.66 m2
	c) Total BUA area (sq. m.): 56434.10
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 25194.55
	Approved Non FSI area (sq. m.): 31248.55
	Date of Approval: 19-03-2018
19.Total ground coverage (m2)	2267.65 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	19.37 % of Total Plot Area(11700.00 m2) 22.36 % of Net Plot Area (10140.97 m2)
21.Estimated cost of the project	1034000000

22.Number of buildings & its configuration

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

1	Wing -A	P+G+UG+13	47.35
2	Wing -B	3P+14	50.30
3	Wing -C	3P+17	59.15
4	Wing -D	3P+18	62.10

23.Number of tenants and shops	Total Tenements: 537 Nos. Shops-15 Nos. Office-9 No.
24.Number of expected residents / users	Total Residential Users: - 2685 Nos. Total Commercial Users: 218 Nos. Total Users :- 2903 Nos.
25.Tenant density per hectare	459/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)	30M wide DP road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.0 M
29.Existing structure (s) if any	NA
30.Details of the demolition with disposal (If applicable)	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):	381.32 m3/day (One Time)
	Recycled water - Flushing (CMD):	125.19 m3/day
	Recycled water - Gardening (CMD):	9.03 m3/day
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	247.10 m3/day
	Fire fighting - Underground water tank(CMD):	200 m3
	Fire fighting - Overhead water tank(CMD):	80 m3
	Excess treated water	200.84 m3/day
Wet season:	**Source of water**	PCMC
	Fresh water (CMD):	372.29 m3/day (One Time)
	Recycled water - Flushing (CMD):	125.19 m3/day
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	247.10 m3/day
	Fire fighting - Underground water tank(CMD):	200 m3
	Fire fighting - Overhead water tank(CMD):	80 m3
	Excess treated water	209.87 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:**	Summer Season – 19.00 m. to 23.25 m. BGL. (i.e. Around 21.13 m. BGL) Rainy Season – 8.00 m. to 13.75 m. BGL. (i.e. Around 10.88 m. BGL) Winter Season – 13.50 m. to 18.50 m. BGL. (i.e. Around 16.00 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 1.5 m. Depth with 6"Dia.60m. Deep bore well via 2 No. of 0.9 m. Dia. 1.0 m. Deep. De-siltation pits with RWH Filter and O&G trap.
	Budgetary allocation (Capital cost) :	Rs. 7.50 Lakh.
	Budgetary allocation (O & M cost) :	Rs. 0.30 Lakh/Year.
	Details of UGT tanks if any :	Residential & Commercial: Domestic UG tank Capacity : 365.24 m3 Flushing UG tank Capacity:181.57 m3 Fire UG tank Capacity : 200 m3
35.Storm water drainage	**Natural water drainage pattern:**	-
	Quantity of storm water:	110.04 m3/day
	Size of SWD:	450 mm & 900 mm
Sewage and Waste water	**Sewage generation in KLD:**	335.06 m3/day
	STP technology:	MBBR
	Capacity of STP (CMD):	340 m3/day
	Location & area of the STP:	162.80 m2
	Budgetary allocation (Capital cost):	25.00 Lakh
	Budgetary allocation (O & M cost):	12.10 Lakh/Year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	100 kg/day
	Disposal of the construction waste debris:	Use for Leveling
Waste generation in the operation Phase:	**Dry waste:**	570 kg/day
	Wet waste:	827 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	30.15 kg/day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	SWaCH
	Wet waste:	Organic Waste Convertor
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as Manure after Treatment in OWC
	Others if any:	NA
Area requirement:	**Location(s):**	-
	Area for the storage of waste & other material:	64.00 m2 including machinary area
	Area for machinery:	-
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	25.75 Lakh
	O & M cost:	5.41 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	200 KVA – 1 No	HSD-38.30 Lit./hr	S-1	6.8	will be provided	will be provided
2	25 KVA – 1 No	HSD- 6.4 Lit./hr	S-2	4.5	will be provided	will be provided

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	Not applicable	44.7 Lit./hr	44.7 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 :**	1127.07 m2
	No of trees to be cut :	NA
	Number of trees to be planted :	184 Nos
	List of proposed native trees :	-
	Timeline for completion of plantation :	Mid of Construction

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Albizia lebek	Shirish	04	Medicinal for Skin, Fragrant flowers, To control soil erosion, Bird attracting species (Para kids eat seeds).
2	Cordia dichotoma	Bhokar	04	Every part of the plant is Medicinal, Drought tolerant species.
3	Bauhinia blackiana	Kanchanraj	08	Every part of the plant is Medicinal, Drought tolerant species.
4	Ficus glomerata	Umber	08	Medicinal value, Edible fruits, Bird attracting species
5	Butea monosperma	Palas	04	Medicinal value, Bird attracting species, To control soil erosion.
6	Syzygium cumini	Jamun	08	Medicinal value, Edible fruit.
7	Anthocephalus kadamba	Kadamb	08	Medicinal value, To control soil erosion, Birds, squirrels, monkey eats fruits.
8	Azardirachta indica	Neem	16	Medicinal value, To control soil erosion, To improve soil erosion
9	Dalbergia sissoo	Shisav	12	Medicinal value, Bird attracting species.
10	Ficus arnottiana	Payar	04	Drought tolerant species, Bird attracting species. To control soil erosion.
11	Bauhinia purpurea	Gulabikanchan	08	Every part of the plant is medicinal, Drought tolerant species
12	Ficus retusa	Nandruk	04	Medicinal value, Bird attracting species, Drought tolerant species, Hardy plant.
13	Pongamia pinnata	Karanj	04	Medicinal value, Drought tolerant species, To control soil erosion, Hardy plant.
14	Mangifera indica	Mango	06	Edible fruit, Bird attracting species.

15	Michelia champaca	Sonchafa	08	Medicinal value, Fragrant flowers, Butterfly larvae host plant, Bird attracting species, Fast growing.
16	Phyllanthus emblica	Awala	04	Medicinal value, To control soil erosion.
17	Cassia fistula	Bahawa	06	Medicinal value, Drought tolerant species, Very ornamental, Well flowering plant, Honey bee attracting species, Host plant for Butterfly.
18	Saraca indica	Sita-ashok	04	Medicinal value, Drought tolerant species.
19	Bahunia racemosa	Apta	09	Every part of the plant is medicinal, Drought tolerant species.
20	Murraya koengii	Kadipatta	08	Medicinal value, Edible leaves.
21	Aegle marmelos	Bel	08	Medicinal value, Drought tolerant species.
22	Putrnjiva roxburghii	Putrnjiva	11	Medicinal value, Drought tolerant species,
23	Gmelina arborea	Shivan	08	Medicinal value, Drought tolerant species, Bird attracting species.
24	Mimosups elengii	Bakul	04	Fragrant flowers, Medicinal value, To control soil erosion.
25	Nyctanthus arbortristis	Parijatak	08	Fragrant flowers, Medicinal value.
26	Erythrina indica	Pangara	08	Fragrant flowers, Drought tolerant species, Birds attracting
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	40 KVA-1 No.
	During Operation phase (Connected load):	2124.9 KW
	During Operation phase (Demand load):	1888.9 KVA.
	Transformer:	22 KV / 630 KVA – 2 Nos.
	DG set as Power back-up during operation phase:	200 KVA – 1 No, For Residential Building & 25 KVA – 1 No For Commercial Building
	Fuel used:	For 200 KVA - 38.3 Liters / Hr for 100 % Load & For 25 KVA - 6.4 Liters / 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.	91.94 KWH/Day
2	Bollard Lighter - Light Fitting For Landscape Area.	0.39 KWH/Day
3	Recesses Wall Light. - Light Fitting For Landscape Area.	0.76 KWH/Day
4	Planter Of Lighter - Light Fitting For Landscape Area.	0.79 KWH/Day
5	Solar Street Light Fitting - Pole Light On Road Side.	3.0 KWH/Day
6	Street Light on the Bldg.	3.6 KWH/Day
7	Energy Saving by Solar Hot Water System.	2013.75 KWH/Day

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs 76.50 Lacks
	O & M cost:	Rs 1.53 Lacks / year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	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	25.00 Lakh	12.10 Lakh/Year
2	RWH	Rain Water Harvesting	7.50 Lakh	0.30 Lakh/Year
3	MSW	OWC	25.75 Lakh	5.41Lakh/Year
4	Solar System	-	76.50 Lakh	1.53 Lakh/Year
5	Landscaping	-	20.00 Lakh	3.18 Lakh/Year
6	Storm Water Piping cost	-	22.80 Lakh	-
7	Drainage Piping Cost	-	2.95 Lakh	-
8	Safety Equipments	-	10.00 Lakh	2.00 Lakh/Year
9	Post EC Monitoring	-	-	2.50 Lakh/Year
10	Dry Waste management	-	-	3.22 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:**	-
	Number and area of podia:	-
	Total Parking area:	13832.40 m2
	Area per car:	45.35 m2
	Area per car:	45.35 m2
	Number of 2-Wheelers as approved by competent authority:	1136
	Number of 4-Wheelers as approved by competent authority:	305
	Public Transport:	-
	Width of all Internal roads (m):	6.0 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8(a)
	Court cases pending if any	NA
	Other Relevant Informations	-

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

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for for project at S. No. 25/4/1+2+3, Punawale, Tehsil-Mulshi, Pune. by M/s Somani Realty

PP submitted their application for Prior Environmental clearance for total plot area of 11700Sq. Mtrs, BUA of 56434.10Sq. Mtrs and FSI area of 25197.44Sq. Mtrs. PP proposes to construct 4 no. residential building (wings).

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

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) During the meeting PP stated that, they have constructed at site about 1003.74 sq.m of parking slab of wing 'D' constructions done at site and submitted the Architect certificate accordingly as per Government of Maharashtra Circular dated 21st April, 2015.
2) PP to submit cross section through the internal road showing the space left for SWD, plantation of trees and compound wall.
3) PP to submit revised plan of parking for commercial and residential area separately.
4) PP to submit revised parking layout plan for all floors, minimum 6m width as per DCR and slope 1:10 for two way operation in case two ramps are provided.
5) PP to submit details for CER activities
6) PP to submit drainage NOC.
7) PP to submit CFO NOC

FINAL RECOMMENDATION

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

Agenda of 68 th SEAC-3 Meeting (Day-3)

SEAC Meeting number: 68 **Meeting Date** August 25, 2018

Subject: Environment Clearance for Environment Clearance for project by M/s Classic Promoters & Builders Pvt Ltd.

Is a Violation Case: No

General Information: Time: 10:00 am onwards Venue: Maharashtra Economic Development Council,Board Room, 3rd Floor, Y. B. Chavan Centre, Gen. Jagannathrao Bhosale Marg, Near Mantralaya, Mumbai- 400020

1.Name of Project	Mudra
2.Type of institution	Private
3.Name of Project Proponent	Mr. Atul Chordia
4.Name of Consultant	M/s. JV Analytical Services
5.Type of project	Residential & Commercial
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes
8.Location of the project	S No. 685/1, C.T.S.No 1760, Village – Munjeri Bibwewadi, Tehsil Haveli, Dist - Pune.
9.Taluka	Haveli
10.Village	Munjeri Bibwewadi
Correspondence Name:	Mr. Atul Chordia
Room Number:	-
Floor:	Level 8,
Building Name:	Solitaire World,
Road/Street Name:	Mumbai-Bangalore Highway,
Locality:	Baner,
City:	Pune - 411045
11.Area of the project	PMC
12.IOD/IOA/Concession/Plan Approval Number	Received
	IOD/IOA/Concession/Plan Approval Number: CC/0113/17
	Approved Built-up Area: 47742.70
13.Note on the initiated work (If applicable)	28655.06 m2 (As per OLD EC dated 23/08/2016)
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	11970.90 m2
16.Deductions	2460.38 m2
17.Net Plot area	9510.52 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 25852.33 m2
	b) Non FSI area (sq. m.): 21890.37 m2
	c) Total BUA area (sq. m.): 47742.70
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 25852.33
	Approved Non FSI area (sq. m.): 21890.37
	Date of Approval: 17-04-2017
19.Total ground coverage (m2)	2754.46 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	23.00 % of Total Plot Area (11970.90 m2) , 28.96% of Net plot Area (9510.52 m2)
21.Estimated cost of the project	2000000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A	2P+Stilt+16	59.96 m
2	B	2P+Stilt+17	64.00 m
3	C	2P+Stilt+19	68.96 m
4	WING A-Commercial (2224.79 m2)	P+G+1FL	8.60 m

23.Number of tenants and shops	Total Tenements –183 Nos. Commercial area is 2224.79 m2 Shop – 10 Nos Offices – 26 Nos
24.Number of expected residents / users	Residential Users: 915 Nos. Commercial Users : 527 Nos. Total Users : 1442nos
25.Tenant density per hectare	110
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	45 M
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.0 M
29.Existing structure (s) if any	Not Applicable
30.Details of the demolition with disposal (If applicable)	Not Applicable

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	PMC
	Fresh water (CMD):	98.69 m3/day
	Recycled water - Flushing (CMD):	54.35 m3/day
	Recycled water - Gardening (CMD):	30 m3/day
	Swimming pool make up (Cum):	5.8 m3/day
	Total Water Requirement (CMD) :	183.03 m3/day (One Time)
	Fire fighting - Underground water tank(CMD):	300 m3
	Fire fighting - Overhead water tank(CMD):	60 m3
	Excess treated water	40.65 m3/day
Wet season:	**Source of water**	PMC
	Fresh water (CMD):	98.69 m3/day
	Recycled water - Flushing (CMD):	54.35 m3/day
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	5.8 m3/day
	Total Water Requirement (CMD) :	153.03 m3/day (One Time)
	Fire fighting - Underground water tank(CMD):	300 m3
	Fire fighting - Overhead water tank(CMD):	60 m3
	Excess treated water	70.65 m3/day
Details of Swimming pool (If any)	Dimension of Swimming Pool: 6.70 m x 6.12 m x 1.05 m Total water Requirement in KLD:42 m3 Water requirement in KLD:5.8 m3/day Details of Plant & Machinery used for treatment of Swimming pool water: Details of quality to be achieved for swimming pool water and parameters to be monitored: • Budgetary allocation (Capital cost and O & M cost)-• Capital cost: Rs. 9.50 Lakh O& M Cost :Rs. 1.68 Lakh/Year	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	2.5 m to 3.5 m below ground level
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	04 nos.
	Size of recharge pits :	3.0m x 3.0m x 3.0m
	Budgetary allocation (Capital cost) :	Rs. 14 Lakh
	Budgetary allocation (O & M cost) :	Rs.0.25 Lakh /Year
	Details of UGT tanks if any :	Domestic UG tank Capacity: 140 m3 Flushing UG tank Capacity: 82 m3 Fire UG tank Capacity: 300 m3.
35.Storm water drainage	**Natural water drainage pattern:**	-
	Quantity of storm water:	386.68 m3/Hr
	Size of SWD:	600 MM
Sewage and Waste water	**Sewage generation in KLD:**	142.58 m3/day
	STP technology:	MBBR
	Capacity of STP (CMD):	1 no -145 m3/day
	Location & area of the STP:	103.32 m2
	Budgetary allocation (Capital cost):	Rs. 50 Lakh
	Budgetary allocation (O & M cost):	Rs. 11.17 Lakh/ Year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	25 kg/day
	Disposal of the construction waste debris:	Use for Leveling
Waste generation in the operation Phase:	**Dry waste:**	214.02 kg/day
	Wet waste:	287.72 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	21.56 (100% Dry)
	Others if any:	-

Mode of Disposal of waste:	**Dry waste:**	SWACH
	Wet waste:	Organic Waste Convertor
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Used as Manure after treatment in OWC
	Others if any:	-
Area requirement:	**Location(s):**	-
	Area for the storage of waste & other material:	50 m2
	Area for machinery:	-
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.12.75 Lakh
	O & M cost:	Rs. 3.87 Lakh/ Year

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	DG SET - 320KVA	HSD- 23.5 lit/hr	1	7.5 m	-	-
2	DG SET - 625KVA	HSD- 66.6 lit/hr	2	7.5 m	-	-
3	DG SET - 82.5KVA	HSD -19.5 lit/hr	3	7.5 m	-	-

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	Not applicable	109.60 lit/hr (23.5+66.6+19.5 lit/hr)	109.60 lit/hr

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

43.Green Belt Development	**Total RG area :**	1158 m2
	No of trees to be cut :	NA
	Number of trees to be planted :	116 Nos
	List of proposed native trees :	116 Nos
	Timeline for completion of plantation :	Mid of construction

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Anthocephalus cadamba	Kadamb	31	Medicinal value, To control soil erosion,Birds, squirrels, monkey eat fruits.
2	Bauhinia acuminata candida	Apta	02	Every part of plant is medicinal, Drought tolerant species
3	Cassia fistula	Bahava	06	Medicinal value, Drought tolerant species, Very ornamental, Well flowering plant, Honey bee attracting species, Host plant for Butterfly
4	Dillenia indica	Karmal	04	Drought tolerant species, Edible Fruits, Well flowering plant, Honey bee attracting species, Host plant for Butterfly
5	Terminalia Catappa	Badam	09	Native, Fragrant flowers, Attracts insects
6	Azadirachta Indica	Neem	30	Medicinal value, Fragrant flowers, Butterfly larvae host plant, Bird attracting species, Fast growing
7	Plumeria alba	Dev chafa	02	Flowering, Fast Growing, Hardy, Ornamental form
8	Butea monosperma	Palas	09	Native, Drought tolerant specie, Hardy, Flowering, attracts birds & insects
9	Phoenix sylvestris	Shindi Palm	10	Native hardy, drought tolerant, fruit bearing, attracts birds and insects
10	Artocarpus heterophyllus	Jackfruit	13	Evergreen, Fruit Bearing trees, Large leaves, Native
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	50 kw
	DG set as Power back-up during construction phase	82.5 KVA
	During Operation phase (Connected load):	2289 KW
	During Operation phase (Demand load):	1780 KVA
	Transformer:	630 KVA x 3 nos
	DG set as Power back-up during operation phase:	320 KVA – 1 No. , 625 KVA – 1 No. , 82.5 KVA -1 No.
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	no

48.Energy saving by non-conventional method:

Improvement in Power Quality of the installation is achieved by
To keep Unity Power Factor we will install Automatic Power Factor Capacitor Bank.
To reduce harmonics losses (less than 5 %) we will add RC filters.

High efficiency options for the equipments to be used

High efficiency Motors, Transformers will be used to reduce losses.

Design Optimization for the electro mechanical systems

Strategic location of Transformers, DG Set for radial power distributions.
Appropriate rating selection as per requirement for the equipment's.
Advanced Operational Logic's for Control Systems.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total Energy Saving	72 %

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.19.16 lakh
	O & M cost:	Rs. 0.38 Lakh/Year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water for Dust Suppression Air & Noise Monitoring	0.50 Lakh/Year
2	Water Environment	Tanker Water for Construction Water Monitoring	0.50 Lakh/Year
3	Land Environment	Site Sanitation –Mobile toilets	0.50 Lakh/Year
4	Socio-economic	Disinfection- Pest Control First Aid Facilities Health Check Up Creches For Children Food for children Personal Protective Equipment	1.0 Lakh/Year

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP	Sewage Treatment plant	50.00	11.17
2	RWH	Rain Water Harvesting	14.0	0.25
3	MSW	owc	12.75	3.87
4	Solar System	Solar System	19.16	0.38
5	Landscaping	Landscaping	160.0	4.22
6	Swimming Pool	Swimming Pool	9.50	1.68
7	Safety Equipments	Safety Equipments	10	2.00
8	Post E C Monitoring	Post E C Monitoring	-	2.50
9	Dry Waste Management	Dry Waste Management	-	1.09

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:	-
	Total Parking area:	14626.20 m2
	Area per car:	35.76 m2
	Area per car:	35.76 m2
	Number of 2-Wheelers as approved by competent authority:	648
	Number of 4-Wheelers as approved by competent authority:	409
	Public Transport:	-
	Width of all Internal roads (m):	7 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	B2
	Court cases pending if any	NA
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	16-09-2016

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for Environment Clearance for project at S No. 685/1, C.T.S.No 1760, Village – Munjeri Bibwewadi, Tehsil Haveli, Dist - Pune by M/s Classic Promoters & Builders Pvt Ltd.

PP submitted their application for prior Environmental clearance for total plot area of 11,970.90 Sq. Mtrs, BUA of 48,447.97 Sq. Mtrs and FSI area of 25,386.20 Sq. Mtrs. PP proposes to construct 3 nos. of residential buildings,1 no. of commercial building having maximum height of 69.20Mtrs.

PP has obtained earlier EC no. SEAC-2010/CR-40/TC-2 dated 23rd August, 2016 for total plot area of 11,970.90 Sq. Mtrs, BUA of 40,933.81 Sq. Mtrs. Now PP has applied for amendment in earlier EC. This committee took up the compliance report and other documents submitted by the Project Proponent for examination. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8 (a) B2.

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) PP to submit details for CER activities
2) PP to submit affidavit for drainage NOC.

FINAL RECOMMENDATION

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

Agenda of 68 th SEAC-3 Meeting (Day-3)

SEAC Meeting number: 68 **Meeting Date** August 25, 2018

Subject: Environment Clearance for Residential cum commercial construction project

Is a Violation Case: No

1.Name of Project	Sky Scraper
2.Type of institution	Private
3.Name of Project Proponent	Mr. Vikas H. Tejwani
4.Name of Consultant	NA
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	No
8.Location of the project	S.No.83/1e, Village : Tathwade, Taluka: Mulashi, Pune
9.Taluka	Mulashi
10.Village	Tathwade
Correspondence Name:	Mr. Vikas H. Tejwani
Room Number:	-
Floor:	-
Building Name:	Sai Shivleela
Road/Street Name:	S.N. 64/4, near sai baba mandir, Behind Petrol Pump
Locality:	Pimple Saudagar
City:	Pune
11.Area of the project	Pimpari Chinchwad Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Yes
	IOD/IOA/Concession/Plan Approval Number: BP/ENV/Tathwade/09/2017
	Approved Built-up Area: 23173.47
13.Note on the initiated work (If applicable)	Proposed construction in Progress (3P + 9) as per the sanction plan vide no – BP/TATHWADE/26/2017 DATED 13/12/2017.The construction is below 20,000 sqmt.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	8940.00
16.Deductions	3000.01
17.Net Plot area	5939.99
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 10479.45
	b) Non FSI area (sq. m.): 12694.02
	c) Total BUA area (sq. m.): 23173.47
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	2336.98
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	40%
21.Estimated cost of the project	672300000

22.Number of buildings & its configuration

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

1	A	G+ Mezza P1 + P2 + 20 floors	69.90

23.Number of tenants and shops	111 tenements + 13 shops
24.Number of expected residents / users	Total Population (Residential + commercial) = 1020 . Residential Population - (111 flats x 5 persons per flat) = residential population 555. Commercial - (3995.16 Sqm. - 13 shops) - commercial population 465.
25.Tenant density per hectare	223 (250/hector)
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	24 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	11.72 mt.
29.Existing structure (s) if any	No existing structure on plot. Work for proposed construction in Progress (3P + 7) as per the sanction plan vide no – BP/TATHWADE/23/2013DATED 26/11/2013 Architect certificate is enclosed with application
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**	Pimpri Chinchwad Municipal Corporation
	Fresh water (CMD):	64.25
	Recycled water - Flushing (CMD):	34.50
	Recycled water - Gardening (CMD):	5
	Swimming pool make up (Cum):	13
	Total Water Requirement (CMD) :	103.75
	Fire fighting - Underground water tank(CMD):	75
	Fire fighting - Overhead water tank(CMD):	20
	Excess treated water	51.27

Wet season:	**Source of water**	Pimpri Chinchwad Municipal Corporation
	Fresh water (CMD):	64.25
	Recycled water - Flushing (CMD):	34.50
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	6.9
	Total Water Requirement (CMD) :	98.75
	Fire fighting - Underground water tank(CMD):	75
	Fire fighting - Overhead water tank(CMD):	20
	Excess treated water	56.27
Details of Swimming pool (If any)	Area of Swimming Pool: Volume : 92 m3 Water requirement for make up in KLD : 13m3/month(In Summer) Water requirement for make up in KLD : 6.9m3/month(In Winter) Parameters to be monitored : pH = 7.0 to 7.6 Chlorine content = 0.8 to 1ppm Residual chlorine in pool Capital cost = Rs.18.50 Lakhs O & M cost = Rs. 10000 to 15000 /month Frequency of monitoring ; Everyday	

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	64.25	64.25	Not applicable	6.42	6.42	Not applicable	57.83	57.83
Domestic	Not applicable	36.61	36.61	Not applicable	3.65	3.65	Not applicable	32.94	32.94
Gardening	Not applicable	5	5	Not applicable	0.5	0.5	Not applicable	Not applicable	Not applicable

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Summer Season – 18.67 m. to 23.33 m. BGL. (21.00 M. BGL Average), Rainy Season – 7.00 m. to 12.00 BGL. (9.50 m. BGL Average), Winter Season – 12.84 m. to 17.67 m. BGL. (15.25 M. BGL Average)
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	Number of RWH Pits with Bore – 3 No.
	Size of recharge pits :	2.25 m. X 2.25 m. X 1.75 m.
	Budgetary allocation (Capital cost) :	3.0 lakh
	Budgetary allocation (O & M cost) :	0.20 lakh
	Details of UGT tanks if any :	UNDERGROUND TANK CAPACITIES (IN CUBIC METER) Fire fighting tank - 75.0 CM Raw water tank - 25.00 CM Utility water - 96.38 CM (1.5 days) Drinking water - 6.00 CM Recycle water tank - 59.25 (1.5 days)
35.Storm water drainage	**Natural water drainage pattern:**	Site is plane, no undulations, no nalla flowing from site
	Quantity of storm water:	177.38 cum/Hr
	Size of SWD:	450mm
Sewage and Waste water	**Sewage generation in KLD:**	75
	STP technology:	MBBR
	Capacity of STP (CMD):	1 No of STP with 100 CMD capacity
	Location & area of the STP:	Services location plan is attached with EC application
	Budgetary allocation (Capital cost):	24.7
	Budgetary allocation (O & M cost):	13.10
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	120 Kg/day
	Disposal of the construction waste debris:	Excavated Earth material will be used for land-filling, leveling, road construction. Top soil will be used for landscaping.
Waste generation in the operation Phase:	**Dry waste:**	143
	Wet waste:	181
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	11 Kg /Day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Through authorized vendor
	Wet waste:	Organic waste convertor
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as manuare
	Others if any:	NA
Area requirement:	**Location(s):**	Project is located at S.No.83/1e, Village : Tathwade, Taluka: Mulashi, Pune. Location Plan is attached with application
	Area for the storage of waste & other material:	9.77Sqmt
	Area for machinery:	40 Sqm
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	11.00 lacks
	O & M cost:	2.61 lacks

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 :**	660.00
	No of trees to be cut :	NO
	Number of trees to be planted :	79
	List of proposed native trees :	Attached as landscape details with EC application
	Timeline for completion of plantation :	1 year

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Mimusop Ellengi	Bakul	05	Shady tree, small white fragrant flowers
2	Acrus Sapota	Chickoo	15	Shady bird attracting
3	Michilli Champaka	Son Chafa	06	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
4	Royal Palm	Bottle Palm	15	Plant for avenue
5	Magnifera Indica	Mango	16	Fruit plant,King of fruits,Bird attracting
6	Codia Sabistana	siricote	06	Orange flowering,dense foiling,Shady,Bird attracting.
7	Millingtonia	Booch	06	White flowers, Fragrant, Shady.
8	Ficus Benjamina	Green Ficus	10	Shady tree, good for roadside plantation
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	30 KW
	DG set as Power back-up during construction phase	40 KVA - 1 No
	During Operation phase (Connected load):	1072 KW (1192 KVA)
	During Operation phase (Demand load):	953 KVA
	Transformer:	22KV / 630 KVA – 1 No
	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:	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.
• Detail calculations & % of saving: 1.7%

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Light Fitting for common areas i.e. Bldg. Parking, Staircases, Passage ,Terrace Floor. (Time Duration – 7 P.M. To 6 A.M. = 11 Hrs)	Per Year = 11185.79 KWH * Per Day = 37.28 KWH
2	Up Lighter - Light Fitting For Landscape Area. (Time Duration – 6 P.M. To 10 P.M. = 4 Hrs)	* Per Year = 233.6 KWH * Per Day = 0.78 KWH
3	Bollard Light - Light Fitting For Landscape Area . (Time Duration – 6 P.M. To 10 P.M. = 4 Hrs)	* Per Year = 153.3 KWH * Per Day = 0.42 KWH
4	a) Solar Street Light Fitting - Pole Light On Road Side Ht. 3M. (Time Duration – 7 P.M. To 6 A.M. = 10 Hrs) b) Solar Power PAck	* Per Year = 1095 KWH * Per Day = 3.65 KWH
5	Street Light Fitting on the Bldg. (Time Duration – 7 P.M. To 5 P.M. = 10 Hrs)	* Per Year = 1095 KWH * Per Day = 3.65 KWH

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Sewage water generation	Not applicable	STP
Wet Garbage	Not applicable	OWC
DG Set	Not applicable	Acostic enclosure to DG set & ree Plantation

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	20,50,000/-
	O & M cost:	69,800/-

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Erosion control	Dust suppression by water sprinkling	0.12
2	Site Sanitation & Safety	Provision of toilets	1.68
3	Environmental Monitoring	STP, OWC	0.75
4	Disinfection	for labours	0.08
5	Health Check up	for labours	0.1

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Rain Water Harvesting	3 No of RWH pits with bore will be proposed	3.0	0.25
2	Sewage Treatment Plant	1 No of STP having capacity 100 CMD will be installed	24.7	13.10
3	Organic Waste Composting	Organic waste composter will be installed	11.00	2.61
4	Tree Plantation	Total 79 trees & 2700 shrubs proposed	8.0	2.5
5	Energy saving	Solar Street lightning, solar water heating	20.50	0.41
6	Environment Monitoring	To maintain environmental monitoring services	0	1.60
7	Storm & Sewer line	To collect & disposal/treatment of storm & seware water	7.0	1.0

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:	Not Applicable
Parking details:	**Number and area of basement:**	Not Applicable
	Number and area of podia:	Two number of Podium + 1 Mezzanine
	Total Parking area:	Total Parking area = Cover [2487.45] + Open [221.6] = 2709.05 Sq m
	Area per car:	12.5 Sqmt
	Area per car:	12.5 Sqmt
	Number of 2-Wheelers as approved by competent authority:	322
	Number of 4-Wheelers as approved by competent authority:	110
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	6 mt.
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	Project category B2; Activity under Item 8 (a) of the EIA Notification dated 14th September 2006 as amended on 1st December, 2009 , does not require scoping and public consultation
	Court cases pending if any	Not applicable
	Other Relevant Informations	NA

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

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for Residential cum commercial construction project at S.No.83/1e, Village : Tathwade, Taluka: Mulashi, Pune by Mr. Vikas H. Tejwani.

PP submitted their application for prior of Environmental clearance for total plot area of 8940 Sq. Mtrs, BUA of 23173.47 Sq. Mtrs and FSI area of 10479.45 Sq. Mtrs. PP proposes to construct 1 no. residential building.

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

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) PP to submit NOC for debris management and submit plan accordingly.
2) PP to submit power requirement statement.
3) PP to submit undertaking for shifting of sewer line.
4) PP to submit details for CER activities

FINAL RECOMMENDATION

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

Agenda of 68 th SEAC-3 Meeting (Day-3)

SEAC Meeting number: 68 **Meeting Date** August 25, 2018

Subject: Environment Clearance for Expansion of Proposed Residential Project " Belmac Residences" by M/s. Supreme Holdings & Hospitality (India) Limited

Is a Violation Case: No

1.Name of Project	Expansion of Proposed Residential Project " Belmac Residences" by M/s. Supreme Holdings & Hospitality (India) Limited
2.Type of institution	Private
3.Name of Project Proponent	Mr. Prateek Jatia
4.Name of Consultant	J. M. EnviroNet Pvt Ltd
5.Type of project	Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes. Environment Clearance is received dated 21th February 2015. EC No.: SEAC – 2013/ CR – 309/ TC – 2.
8.Location of the project	S. No. 38A/2, CTS no. 3106 to 3114, Vadgaon Sheri Dist. Pune, Maharashtra
9.Taluka	Haveli
10.Village	Vadgaon Sheri
Correspondence Name:	Ms. Sayali Jagtap
Room Number:	F3
Floor:	-
Building Name:	F3, Dindayal Nagar
Road/Street Name:	Medical College road
Locality:	Katraj
City:	Pune
11.Area of the project	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Part Sanction received.
	IOD/IOA/Concession/Plan Approval Number: DPO/CC/2728/16 dated 01.12.2016
	Approved Built-up Area: 90805.38
13.Note on the initiated work (If applicable)	Total constructed work (FSI+ Non FSI): 37963.94 Sq.m.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	25459.10
16.Deductions	7171.2
17.Net Plot area	18287.90
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 33758.74
	b) Non FSI area (sq. m.): 59710.35
	c) Total BUA area (sq. m.): 93469.09
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	2820.62
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	15.42
21.Estimated cost of the project	925100000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building A	2 Basements+ G/Podium+15 floors	49.80
2	Building B	2 Basements+ G/Podium+15 floors	49.80
3	Building C	2 Basements+ G/Podium+15 floors	49.80
4	Building D	2 Basements+ G/Podium+15 floors	49.80
5	Building E	2 Basements+ G/Podium+15 floors	49.80
6	Building F	2 Basements+ G/Podium+15 floors	49.80
7	Club house	Ground + 1 floor	8.45

23.Number of tenants and shops	Residential flats : 296
24.Number of expected residents / users	Residential population : 1480
25.Tenant density per hectare	582
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 Amnora & Width of the road from the nearest fire station to the proposed building is existing DP road of 15 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.00
29.Existing structure (s) if any	2 buildings & 2 basements.
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):	133.2
	Recycled water - Flushing (CMD):	66.60
	Recycled water - Gardening (CMD):	14.75
	Swimming pool make up (Cum):	11.25
	Total Water Requirement (CMD) :	230.8
	Fire fighting - Underground water tank(CMD):	450
	Fire fighting - Overhead water tank(CMD):	120
	Excess treated water	89.48
Wet season:	**Source of water**	PMC
	Fresh water (CMD):	133.2
	Recycled water - Flushing (CMD):	66.60
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	11.25
	Total Water Requirement (CMD) :	216.05
	Fire fighting - Underground water tank(CMD):	450
	Fire fighting - Overhead water tank(CMD):	120
	Excess treated water	104.23
Details of Swimming pool (If any)	Size of pool : 20 m x 6m x 1.2 m Total water requirement : 151.40 m3/day Make up water : 11.25 m3/day	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Pre Monsoon- 11.25 meters Post Monsoon- 5.85 meters
	Size and no of RWH tank(s) and Quantity:	Not applicable
	Location of the RWH tank(s):	Not applicable
	Quantity of recharge pits:	06
	Size of recharge pits :	1 m dia & 12 m length cylindrical pipe with 178 mm dia depth bore well.
	Budgetary allocation (Capital cost) :	Rs. 4,16,916 /-
	Budgetary allocation (O & M cost) :	Rs. 30,000 /-
	Details of UGT tanks if any :	Drinking + Domestic : 200 KLD Flushing : 67 KLD Fire : 450 kLD
35.Storm water drainage	**Natural water drainage pattern:**	Overflow/ surplus water from the recharge pit will be discharge into storm water drainage.
	Quantity of storm water:	19.17 m3/min
	Size of SWD:	450
Sewage and Waste water	**Sewage generation in KLD:**	179.82
	STP technology:	Reverse Membrane Bioreactor technology (RMBR)
	Capacity of STP (CMD):	180 KLD
	Location & area of the STP:	119.16 sq m.
	Budgetary allocation (Capital cost):	Rs. 27,80,000 /-
	Budgetary allocation (O & M cost):	Rs. 2,16,000 /-
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	30 kg/day
	Disposal of the construction waste debris:	The entire construction waste will be used within the site for leveling purposes and base course preparation of internal approach roads.
Waste generation in the operation Phase:	**Dry waste:**	259 kg/day
	Wet waste:	421.8 kg/day
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	16.2
	Others if any:	Not Applicable

Mode of Disposal of waste:	**Dry waste:**	To Authorized recycler.
	Wet waste:	Treatment through Organic Waste composter.
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	After treatment will be used as manure.
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	At basement of building E
	Area for the storage of waste & other material:	35 sq. m
	Area for machinery:	19.6 sq. m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 14,46,000 /-
	O & M cost:	Rs.58,560 /-

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 on ground : 2527.14 Sq.m(Excluding Club house & swimming pool) RG on podium : 6893 Sq.m Landscape area(periphery boundary) : 922.86 Sq.m
	No of trees to be cut :	0
	Number of trees to be planted :	0
	List of proposed native trees :	318
	Timeline for completion of plantation :	3 to 5 years

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Swietenia mahagoni	Mohogani	13	Greenish white scented flowers
2	Azadirachta indica	Neem	7	Medicinal value
3	Bauhinta balckena	kanchan	13	Ornamental & scented flowers
4	Bombax ceiba	Kate savar	12	Dust & urban pollution tolerant
5	Cassia fistula	Bahava	12	Drought resistant
6	Ficus elastica	Rubber	11	Commercial value
7	Ficus bengalensis	Wad	4	Evergreen , religious
8	Manikara cumini	Chikko	15	Fruit bearing
9	Psidum guajava	Gauva	18	Fruit bearing
10	Lagerstroemia speciosa	Taman	19	Ornamental
11	Michelia champaca	Piwala chafa	15	Fragrant , evergreen tree, flowering
12	Millingtonia hortensis	Booch	14	Fragrant , evergreen tree
13	Caryota urenus	Fish tail palm	15	Evergreen tree
14	Mimussops elengi	Bakul	10	Fragrant , evergreen tree
15	Murraya panniculata	Kamini	13	Ornamental & scented flowers
16	Nyctanthes arbortristis	Parijatak	14	Ornamental & flowering
17	Mutingia calabura	Cherry	14	Edible fruit
18	Mangifera indica	Mango	20	Fruit bearing
19	Pterospermum acerifolium	Muchkund	14	Evergreen tree
20	Saraca indica	Ashoka	18	Sacred tree
21	Schleichera olesa	Kusum	16	Ornamental
22	Terminalia arjuna	Arjun	20	Noise resistant
23	Annonna reticulata	Custard apple	11	Fruit bearing, 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)	50 KW
	DG set as Power back-up during construction phase	62.5 KVA
	During Operation phase (Connected load):	3257.59 KW
	During Operation phase (Demand load):	1519.27 KW
	Transformer:	3 no's of 630 KVA
	DG set as Power back-up during operation phase:	4 no's of 250 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	No

48.Energy saving by non-conventional method:

Solar Water Heating – Proposed Building consists of 6 no's of residential buildings. Hot water demand for the same will be sufficed by Solar Water heating system installed on rooftop. The solar water system is of 11250 lit/day.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	T5 light fixtures lamps for common area lights, external, street lights & landscape lighting. + Solar hot water system	23.53 %

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. 41,99,653 /-
	O & M cost:	Rs. 1,33,440 /-

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	Rs. 1,06,000/-
2	Health & Safety , land	Site Sanitation & Safety	Rs.26,500-/
3	Environment management	Environmental Monitoring	Rs. 1,20,000/-

4	Health & Safety	Disinfection	Rs. 88,000/-
5	Health & Safety	Health Check up	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	Rain Water Harvesting	06 pits	Rs. 4,16,916 /-	Rs. 30,000 /-
2	Sewage Treatment Plant	1 STP	Rs. 27,80,000 /-	Rs. 2,16,000 /-
3	Organic Waste Composting	1 OWC	Rs. 14,46,000 /-	Rs. 58,560 /-
4	Tree Plantation	318 no's of trees	Rs.1,77,50,000 /-	Rs. 17,80,000 /-
5	Energy saving	Solar hot water system	Rs. 41,99,653 /-	Rs. 1,33,440 /-
6	Environment Monitoring	Environment management	-	Rs. 1,20,000/-
7	Basement Ventilation	-	Rs. 60,00,000 /-	Rs. 1,80,000 /-
8	Swimming pool	-	Rs. 7,00,000 /-	Rs. 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:	Existing DP road of 15 m

Parking details:	**Number and area of basement:**	2 basement /building.
	Number and area of podia:	1 podium/building. Area of 1 podium : 260.87 sq.m
	Total Parking area:	11510 sq. m
	Area per car:	12.5
	Area per car:	12.5
	Number of 2-Wheelers as approved by competent authority:	628
	Number of 4-Wheelers as approved by competent authority:	770
	Public Transport:	Pune city buses
	Width of all Internal roads (m):	6.00
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	None within 10 kms
	Category as per schedule of EIA Notification sheet	B2
	Court cases pending if any	Not Applicable
	Other Relevant Informations	Not Applicable
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for Expansion of Proposed Residential Project " Belmac Residences" at S. No. 38A/2, CTS no. 3106 to 3114, Vadgaon Sheri Dist. Pune, Maharashtra by M/s. Supreme Holdings & Hospitality (India) Limited.

PP submitted their application for Expansion of Environmental clearance for total plot area of 25459.10 Sq. Mtrs, BUA of 93469.09 Sq. Mtrs and FSI area of 33758.74 Sq. Mtrs. PP proposes to construct 6 nos. of Housing buildings and 1 club house.

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

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) PP to produce earlier EC along with compliance report and comparative statement.
2) PP to submit approved plan for the basement with cross section showing height of the basement.
3) PP to submit table showing no of cars removed from stack parking and location plan where the entire cars will be parked.
4) PP to submit Parking statement, layout plan & avoid dependent parking.
5) PP to submit cross section of the UGT giving the details regarding headroom
6) PP to submit parking layout plan for all floors.
7) PP to submit dependent parking plan eliminating and parking statement
8) PP to relocate STP from RG area as shown in the plan.
9) PP to submit NOCs of Drainage, Water, E-waste etc

FINAL RECOMMENDATION

SEAC-III decided to defer the proposal till PP submits the additional information as per above conditions within 30 days

Agenda of 68 th SEAC-3 Meeting (Day-3)

SEAC Meeting number: 68 **Meeting Date** August 25, 2018

Subject: Environment Clearance for Expansion Construction, "Residential & Commercial Development

Is a Violation Case: No

1.Name of Project	"Anandam World City"
2.Type of institution	Green Building
3.Name of Project Proponent	Mr Pratik Saraogi, M/s. Goldbricks Infrastructure Pvt. Ltd.Address: Anandam World city, Model mill square, Old Umred road, Ganeshpeth Nagpur – 440018 Telephone No.0712 – 2722660 Mobile No.+91 9890990003 Email ID:pratik.saraogi@goldbricks.co.in,
4.Name of Consultant	Ultra-Tech (Environmental Consultancy & Laboratory)
5.Type of project	Mixed use development
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 received vide SEAC 2010/CR. 128/TC.2 dated 16.10.10, Revalidation of EC dated 12.12.15 for further 7 years
8.Location of the project	C.S. No. 101/1 Sheet No. 259, 260, 269, 270 & 271, Mouze Nagpur
9.Taluka	Nagpur
10.Village	Nagpur
11.Area of the project	Nagpur Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Part sanctioned received for FSI area 1,47,550.23 m2 as vide Bldg. permit no. 02/BP/Nagpur/TP/NMC/163 dated 07.04.2012 Part sanctioned received for FSI area 93042.41m2 as vide Bldg. permit no. 259/BP/Nagpur/TP/NMC/1412 dated 28.05.2010 Occupancy certificate : 1) ABC – NMC/TPD/01/occupancy/part dated 28.08.14 2) D – NMC/TPD/Occ, certificate/ 2.6/ P.No. 41/111 dated 10.11.15 3) E – NMC/TPD/Occ. Certificate part 20.6/PNo.41/108 dated 7.08.15 F- NMC/TPD/occ.certificate(part)/20.6/PNo.41/109 date
	IOD/IOA/Concession/Plan Approval Number: Part sanctioned received for FSI area 1,47,550.23 m2 as vide Bldg. permit no. 02/BP/Nagpur/TP/NMC/163 dated 07.04.2012 Part sanctioned received for FSI area 93042.41m2 as vide Bldg. permit no. 259/BP/Nagpur/TP/NMC/1412 dated 28.05.2010 Occupancy certificate : 1) ABC – NMC/TPD/01/occupancy/part dated 28.08.14 2) D – NMC/TPD/Occ, certificate/ 2.6/ P.No. 41/111 dated 10.11.15 3) E – NMC/TPD/Occ. Certificate part 20.6/PNo.41/108 dated 7.08.15 F- NMC/TPD/occ.certificate(part)/20.6/PNo.41/109 date
	Approved Built-up Area: 147550
13.Note on the initiated work (If applicable)	1) EC received vide SEAC 2010/CR. 128/TC.2 dated 16.10.10, Revalidation of EC dated 12.12.15 2) 6 Towers (B+G+19) completed as per local body approval. 2 tower work in progress, 20 villas completed 3) Violation withdrawal received vide letter no. SEAC 2212/CR498/TCII
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	1,17,257.00
16.Deductions	15,257.13
17.Net Plot area	1,01,999.88
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 2,06,179.09 m2 (Constructed- 56,512.70 m2 Proposed- 1,49,666.39 m2)
	b) Non FSI area (sq. m.): 2,73,193.00m2(Constructed- 87,988.48 m2 Proposed- 1,85,204.52 m2)
	c) Total BUA area (sq. m.): 4,79,372.00m2 (Constructed- 1,44,501.18 m2 Proposed- 3,34,870.82 m2)
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	66,534 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	57
21.Estimated cost of the project	7750000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Existing	Existing	Existing
2	Tower A -1	Basement+Ground+19 floors	63.95 / 70
3	Tower B -1	Basement+Ground+19 floors	63.95 / 70
4	Tower C-1	Basement+Ground+19 floors	63.95 / 70
5	Tower D-1	Basement+Ground+19 floors	63.95 / 70
6	Tower E -1	Basement+Ground+19 floors	63.95 / 70
7	Tower F -1	Basement+Ground+19 floors	63.95 / 70
8	Tower G - Ongoing	Basement+Ground+19 floors	63.95 / 70
9	Tower N -1 Ongoing	Basement+Ground+19 floors	63.95 / 70
10	Villas -20	Basement+Ground+3 floors	14.80 / 20
11	Proposed	Proposed	Proposed
12	Tower D' – 1	Basement+Ground+6 floors	30
13	Tower H - 1	Basement+Ground+19 floors	80
14	Tower I -1	Basement+Ground+20 floors	80
15	Tower I' -1	Basement+Ground+20 floors	80
16	Tower J - 1	Basement+Ground+20 floors	80
17	Tower K - 1	Basement+Ground+20 floors	80
18	Tower L - 1	Basement+Ground+19 floors	80
19	Tower M	Basement+Ground+19 floors	80
20	Club House	1No. Ground+1	14
21	Library	Ground + 3	16.70 / 20
22	Commercial	Basement1 + Basement 2 + Ground+ 2 floors of Retail, G + 12 (office bldg -3 towers) convinience shopping G+1	80, 14

23.Number of tenants and shops	No. of Tenements: -1553 (1533 flats + 20 villas) Shops 35, Retail 108, Offices 648
24.Number of expected residents / users	Residential User:7765 Commercial: 14,419 Library User:300
25.Tenant density per hectare	152
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 ST stand square Fire station 0.5 km& Width of the road from the nearest fire station to the proposed building 24m. Fire Station is proposed in Library plot (within Anandam World City) with a provision of 2 Nos. of Fire Tender.
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m

29.Existing structure (s) if any	Building A, B, C, D, E, F (B+G+19) completed. Site office, villa -20
30.Details of the demolition with disposal (If applicable)	Site office will be demolished, debris will be used for leveling & recyclable material will be reused.

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**	NagpurMunicipal Corporation
	Fresh water (CMD):	1079
	Recycled water - Flushing (CMD):	554
	Recycled water - Gardening (CMD):	255
	Swimming pool make up (Cum):	4
	Total Water Requirement (CMD) :	1892
	Fire fighting - Underground water tank(CMD):	Residential 500 Commercial 400
	Fire fighting - Overhead water tank(CMD):	25
	Excess treated water	380
Wet season:	**Source of water**	NagpurMunicipal Corporation
	Fresh water (CMD):	1079
	Recycled water - Flushing (CMD):	554
	Recycled water - Gardening (CMD):	--
	Swimming pool make up (Cum):	4
	Total Water Requirement (CMD) :	1637
	Fire fighting - Underground water tank(CMD):	Residential 500 Commercial 400
	Fire fighting - Overhead water tank(CMD):	25
	Excess treated water	635

Details of Swimming pool (If any)	• Dimension of Swimming Pool: 10m x 25m x1.25m • Total water Requirement in KLD: 312 • Water requirement for make up in KLD: 4 • Details of Plant & Machinery used for treatment of Swimming pool water: Sand Filter Carbon Filter Hair Filter Disinfection (Chlorination) Pumping set Capital Cost: Rs. 37.00 Lacs O & M cost: - Rs. 1.8 Lacs/annum

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Fresh water requirement	211	868	1079	32	130	162	179	738	917
Domestic	106	448	554	0	0	0	106	448	554
Gardening	62	193	255	0	0	0	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	6 to 6.5 mtrs depth from GL
	Size and no of RWH tank(s) and Quantity:	NO
	Location of the RWH tank(s):	near Tower A & D
	Quantity of recharge pits:	6 Tanks of Residential +2no tanks of commercial with 3 bores each
	Size of recharge pits :	12m x 7m x4m
	Budgetary allocation (Capital cost) :	Rs 84.00Lacs
	Budgetary allocation (O & M cost) :	Rs 2.5 Lacs/year
	Details of UGT tanks if any :	Domestic UG tank Capacity (cum) : Residential: 1125 + 500 + Commercial: 340 Flushing tank Capacity(cum) Residential 250 Commercial 340 Fire UG tank Capacity (cum) Residential 250 Commercial 400 Irrigation (KLD) 125
35.Storm water drainage	**Natural water drainage pattern:**	North to south
	Quantity of storm water:	35177m3
	Size of SWD:	400 mm&250 mm

Sewage and Waste water	**Sewage generation in KLD:**	1471
	STP technology:	MBBR
	Capacity of STP (CMD):	3 no. commercial 550, Residential 530 & 630 m3 (For library waste generation will be 1.8 Cum which will be collected in septic tank & then connected to NMC sewer line)
	Location & area of the STP:	530 KLD in Basement
	Budgetary allocation (Capital cost):	Rs. 194.20 Lacs
	Budgetary allocation (O & M cost):	Rs. 39.42 Lacs/annum

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	94Kg/Day Excavation – 48795 cum
	Disposal of the construction waste debris:	13,197 CUM will be used for filling.
Waste generation in the operation Phase:	**Dry waste:**	3571
	Wet waste:	3527
	Hazardous waste:	No
	Biomedical waste (If applicable):	No
	STP Sludge (Dry sludge):	95 Kg/day
	Others if any:	E waste - 4000-5000 Kg/annum
Mode of Disposal of waste:	**Dry waste:**	will be handed over to NMC
	Wet waste:	will be treated in Smart 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, if any
Area requirement:	**Location(s):**	Near Building H & Amenity
	Area for the storage of waste & other material:	195 + 91 m2
	Area for machinery:	50 Sq. mtr.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 60.50Lacs
	O & M cost:	Rs. 16.84 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 380	311.6 Kg/hr	5	15 m	300	475
2	DG set 1500	984 Kg/hr	4	15	300	525
3	DG set 400	65.6 Kg/hr	1	15	300	475

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 :**	Mandatory RG area on ground – 13191.000m2 Additional green area on ground – 8644 m2 Total Provided-21,835 m2
	No of trees to be cut :	Trees to be cut :45 Existing – 48, Retained – 2 Transplant - 1
	Number of trees to be planted :	1900
	List of proposed native trees :	Neem, Palm, Ashok, Mango, Guava, Peepal, Teak, Oranges, Tamarind, Custard Apple, Bamboo.
	Timeline for completion of plantation :	Dec 2019

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	Azardica indica	Neem	3	Large tree, good for roadside plantation
2	Buhinia variegate	Kachnar	127	Flowering plant
3	Bismarcki anobills	Bismarckia Palm	36	flowering plant in the palm family endemic to western and northern Madagascar where they grow in open grassland
4	Cassia fistula	Amaltas	257	Native, deciduous, medicinal value

5	Chorisia speciosa	Mexican Silk Cotton	78	deciduous tree native to the tropical
6	Ficus infectoria	Pilkhan	5	Large tree having medicinal value
7	Ficus lyrata	Fiddle Leaf Fig	7	Usually smaller, with a leathery texture
8	Jacaranda mimosifolia	NeeliGulmohar	10	Flowering plant
9	Michelia champaca	Golden Champa	6	Native, attracts birds & insects
10	Phoenix roebelini	Dwarf date palm	34	resistant to pests, is tolerant to soil variation, and is moderately drought tolerant
11	Salix tetrosperma	Indian Willow	18	medium-sized tree
12	Tabebuia	Yellow Tabebuia	7	Yellow flowering plan
13	Gravellia robusta	Silver oak	743	fast-growing evergreen tree,
14	Plumeria alba	Champa	500	This 2-8m evergreen shrub has narrow elongated leaves
15	Phoenix doctilyfera	Date palm	5	flowering plant species in the palm family
16	Cana indica	Kardal	50	Perennial, used for treatment fo wasterwater, constructed wetland
17	Musa paradisiaca	Banana	5	Fruit bearing tree
18	Mangifera indica	Mango	2	Fruit bearing tree
19	Ficus racemosa	Fig tree	2	Fruit bearing tree
20	Moringa olifera	Drumstick tree	5	Medicinal 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	Alpinia variegata	600 mm	32
2	Calliandra brevipes	1000mm	57
3	Dypsis lutescens	1000mm	55
4	Ficus reginald	750 mm	550
5	Furcraea gigantea	1000 mm	327
6	Hibiscus snowflake	500 mm	45
7	Lagerstroemia indica	1500 mm	76
8	Nerium oleander	450 mm	70
9	Pseudosasa japonica	750 mm	50
10	Rhapis excelsa	600 mm	120
11	Yucca starlight	900 mm	160

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	280 KVA
	DG set as Power back-up during construction phase	65 KVA
	During Operation phase (Connected load):	Residential - 15MW Commercial - 12637 kW
	During Operation phase (Demand load):	Residential - 15MW Commercial - 12637 kW
	Transformer:	Residential 15 nos. x 630 kVA , Commercial 2 X 2500 kVA, 2 X 1600 kVA
	DG set as Power back-up during operation phase:	Residential 5nos x 380 kVA, Commercial 4 X 1500 kVA ,1 X 400 kVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NO

48.Energy saving by non-conventional method:

Solar panels & solar water heating is provided

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Use of CFL / LED lamps in all public/ common areas.	86 %
2	Solar powered water heating.	100 %
3	Electronic V3F Drives for Elevators	Yes, all lifts are V3F Drivers
4	Solar Panel & stand alone pole will be provided for villas	6.18%

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
STP	1	2
OWC	1	1
DG Set	2	8

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Solar Water Heating Rs. 376.56 lacs + solar panel Rs. 5.56 Lacs
	O & M cost:	Solar Water Heating Rs. 3.93 Lacs + Rs 0.22 Lacs/annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air	Water For Dust Suppression	3.07

2	Air	Air & Noise Monitoring	1.34
3	Water	Tanker Water For Construction	3.2
4	Water	Water Monitoring	0.42
5	Land	Site Sanitation- Mobile toilets	13.65
6	Biological	Gardening Set Up and top soil preservation	106.8
7	Socio- Economic Environment	Disinfection- Pest Control	0.24
8	Socio- Economic Environment	First Aid Facilities	0.45
9	Socio- Economic Environment	Health Check Up	5.6
10	Socio- Economic Environment	Creches For Children	36.5
11	Socio- Economic Environment	Personal Protective Equipment	4.2

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	3 no STP	Rs. 194.20	Rs. 39.42
2	Rain Water Harvesting	8 tanks with 3 borewell each	Rs. 84.00	Rs. 2.50
3	Solid Waste Management	2 no OWC will be provided	Rs. 58.8	Rs. 18.20
4	Green Belt Development	RG will be provided	Rs. 336.00	Rs.30.00
5	Energy Use (Solar panel)	Energy saving	Rs. 2.64	Rs. 0.13
6	Energy Use (Solar water heating)	Energy saving	Rs. 371	Rs. 3.71
7	Solar Lighting for villa	Energy saving	Rs. 2.92	Rs. 0.09
8	Environmental Monitoring	EMP costing	MoEFCC approved laboratory	Rs. 25.88
9	Swimming Pool	Swimming Pool	Rs. 37.00	Rs. 1.8
10	Basement Ventillation	Basement Ventillation	Rs. 377	Rs. 7.54
11	Basement Dewatering	Basement Dewatering	Rs. 32.50	Rs. 3.25
12	Total	Total	1496.06	132.52

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:	Abutting to existing 24 m wide road.
Parking details:	**Number and area of basement:**	Residential Basement 45298 m2, commercial basement - 58940
	Number and area of podia:	No
	Total Parking area:	145996 m2 (1 No. of Stilt 41758 m2)
	Area per car:	Basement = 35 m2 covered= 30 m2
	Area per car:	Basement = 35 m2 covered= 30 m2
	Number of 2-Wheelers as approved by competent authority:	3756
	Number of 4-Wheelers as approved by competent authority:	1912
	Public Transport:	Nagpur Municipal Corporation city buses
	Width of all Internal roads (m):	6
	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	8 (b) B1
	Court cases pending if any	S.No. Details Case Number Case detail 1 Ratan Madan v/s GIPL 931/13 State Forum 2 GIPL v/s AvinashChaurasia 445/15 Civil 3 GIPL v/s AvinashChaurasia 203/16 Civil 4 Sanjay Bhansali v/s GIPL 774/15 State Forum 5 YugalKishorBhattad v/s GIPL 773/15 State Forum 6 Meena Soni v/s GIPL 15/15 Consumer Forum 7 GIPL v/s KrushnaKadu145/16 State Forum 8 GIPL v/s Kamlesh Shah 272/15 Civil 9 GIPL v/s Kamlesh Shah 106/14 Civil
	Other Relevant Informations	depth of Existing pond of 60m x 60m x 5m to be reduced to 60m x60m x 1.25m for safety purpose
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for Expansion Construction, "Residential & Commercial Development at C.S. No. 101/1 Sheet No. 259, 260, 269, 270 & 271, Mouze Nagpur Address: Anandam World city, Model mill square, Old Umred road, Ganeshpeth Nagpur by Mr Pratik Saraogi, M/s. Goldbricks Infrastructure Pvt. Ltd.

History of the project:-

The proposed project has obtained first Environment clearance vide letter dated ENV (NOC)-2008/C.R. 158/TC-1 dated 29th January, 2010 for the total construction built up area 96,383.00 Sq.m (FSI- 32,851.92 Sq.m + Non FSI- 63,531.08 Sq.m) comprises Residential, commercial & Hotel.

Later it get revised with planning of only Residential buildings & received Environment Clearance SEAC-2013/CR-309/TC-2 dated 21st February, 2015 for total construction built up area 57,966.07 Sq.m (FSI- 18,431.17 Sq.m + Non FSI 39,534.92 Sq.m)

Further, PP has applied for expansion on 3rd January, 2018 .

DECISION OF SEAC

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

Specific Conditions by SEAC:

2) PP to submit ground coverage foot print for existing and proposed development.
3) PP to submit conceptual as well as sanction plan submitted for earlier EC.
4) PP to submit details for CER activities

FINAL RECOMMENDATION

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

Agenda of 68 th SEAC-3 Meeting (Day-3)

SEAC Meeting number: 68 **Meeting Date** August 25, 2018

Subject: Environment Clearance for EC application for our Proposed residential cum commercial construction project located at Dhanori, Pune by Gini Citicorp LLP

Is a Violation Case: No

1.Name of Project	Proposed residential cum commercial construction project
2.Type of institution	Private
3.Name of Project Proponent	Mr. Gautam Harlalka
4.Name of Consultant	NA
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Survey No. 11/1 (Part), Village Dhanori, Taluka Haveli, Dist. - Pune, State -Maharashtra.
9.Taluka	Haveli
10.Village	Dhanori
Correspondence Name:	Mr. Gautam Harlalka (Gini Constructions)
Room Number:	C Wing, office No. 3
Floor:	1
Building Name:	Gulmohar Apartment
Road/Street Name:	East Street Road
Locality:	Camp
City:	Pune
11.Area of the project	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Applied
	IOD/IOA/Concession/Plan Approval Number: In process
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	Not Applicable. We have not initiated any construction work for proposed project.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NOC from MHADA is not Applicable. Other Approvals- Sanction from PMC is in process
15.Total Plot Area (sq. m.)	23,100.00 Sq. M
16.Deductions	3,106.57 Sq. M.
17.Net Plot area	19,993.43 Sq. M.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 25,833.39
	b) Non FSI area (sq. m.): 18,278.85
	c) Total BUA area (sq. m.): 44112
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	6811.35
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	45.18
21.Estimated cost of the project	1230000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A	B+G+9	31.95
2	B	B+G+9	31.95
3	C	B+G+9	31.95
4	D	B+G+9	31.95
5	E	B+G+9	31.95
6	F	B+G+9	31.95
7	G	B+G+9	31.95

23.Number of tenants and shops	Total No of tenements = 427 Total No of shops = 51
24.Number of expected residents / users	2135 (Residential) + 474 (Commercial) = 2609
25.Tenant density per hectare	184
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
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 mt
29.Existing structure (s) if any	Nil
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):	207
	Recycled water - Flushing (CMD):	108
	Recycled water - Gardening (CMD):	13
	Swimming pool make up (Cum):	3.5
	Total Water Requirement (CMD) :	331.5
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	140
	Excess treated water	169
Wet season:	**Source of water**	PMC
	Fresh water (CMD):	207
	Recycled water - Flushing (CMD):	108
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	3.5
	Total Water Requirement (CMD) :	318.5
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	140
	Excess treated water	182
Details of Swimming pool (If any)	• Dimension of Swimming Pool:-785 sqft X 4'0" depth (73 Sqm X 1.2 Mtr depth) • Capacity :- 94080 Litres • Water requirement for make up (Top Up) – 3500 Litres Per Day • Details of quality to be achieved for swimming pool water and parameters to be monitored: a. pH : 7.2 b. Chlorine level : 1.5 to 2.2 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	207	207	Not applicable	20.66	20.66	Not applicable	185.97	185.97
Gardening	Not applicable	13.31	13.31	Not applicable	0	0	Not applicable	Not applicable	Not applicable

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	15 mt. below ground level
	Size and no of RWH tank(s) and Quantity:	Nil
	Location of the RWH tank(s):	Nil
	Quantity of recharge pits:	10
	Size of recharge pits :	2.0 M X 1.0 M
	Budgetary allocation (Capital cost) :	10 lakh
	Budgetary allocation (O & M cost) :	1 lakh
	Details of UGT tanks if any :	Capacity of U.G.T> will be as below Treated water storage tank : 208.73 KL Raw water storage tank: 104.36 KL Fire Fighting Tank : 300.00 KL Total UGT capacity = 613.09 KL
35.Storm water drainage	**Natural water drainage pattern:**	As per contour. Contour plan is attached as annexure with form 1, 1A
	Quantity of storm water:	22 Cum /m.
	Size of SWD:	600 mm dia pipe.
Sewage and Waste water	**Sewage generation in KLD:**	283.10
	STP technology:	MBBR
	Capacity of STP (CMD):	350 KLD x 1 No.
	Location & area of the STP:	Location of STP is shown in services location plan attached as a annexure with Form1, 1A
	Budgetary allocation (Capital cost):	65 Lakh
	Budgetary allocation (O & M cost):	21 Lakh
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	32500 Cum - Excavation will be reused in Road side filling, Gardening etc
	Disposal of the construction waste debris:	Excavated debris will be used as filling material for plinth level, road leveling. Top soil will be used for landscaping.
Waste generation in the operation Phase:	**Dry waste:**	440.24 Kg/Day
	Wet waste:	660.06 Kg/Day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	25 kg/day
	Others if any:	No

Mode of Disposal of waste:	**Dry waste:**	Through authorized vendor
	Wet waste:	Mechanized composting unit
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	25 kg/day
	Others if any:	Nil
Area requirement:	**Location(s):**	Please refer services location plan for the location of composting unit attached as annexure with Form 1, 1A
	Area for the storage of waste & other material:	80 SQM
	Area for machinery:	20 SQM
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	18 lacks
	O & M cost:	10

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 :**	2104 SQM
	No of trees to be cut :	0
	Number of trees to be planted :	255
	List of proposed native trees :	attached with form 1, 1A
	Timeline for completion of plantation :	5

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Ailanthus excelsa	Maharukh	08	Medicinal value, Drought tolerant species
2	Albizia lebek	Shirish	08	Medicinal for Skin, Fragrant flowers, To control soil erosion, Bird attracting species (Para kids eat seeds)
3	Anthocephalus kadamba	Kadamb	08	Medicinal value, To control soil erosion, Birds, squirrels, monkey eat fruits
4	Azardirachta indica	Neem	08	Medicinal value, To control soil erosion. To improve soil erosion
5	Bauhinia blackiana	Kanchanraj	08	Every part of the plant is medicinal, Drought tolerant species
6	Bauhinia purpurea	Gulabi kanchan	08	Every part of the plant is medicinal ,Drought tolerant species
7	Butea monosperma	Palas	06	Medicinal value, Bird attracting species , To control soil erosion
8	Cassia fistula	Bahawa	04	Medicinal value, Drought tolerant species, Very ornamental, Well flowering plant, Honey bee attracting species, Host plant for Butterfly.
9	Choclospermum religiosum	Sonsawar	04	Medicinal value, Native species
10	Cordia dichotoma	Bhokar	04	Medicinal value, Edible fruits,
11	Dalbergia sissoo	Shisav	04	Medicinal value, Bird attracting species
12	Ficus arnottiana	Payar	04	Drought tolerant species, Bird attracting species. To control soil erosion
13	Ficus glomerata	Umber	04	Medicinal value, Edible fruits, Bird attracting species
14	Ficus retusa	Nandruk	04	Medicinal value, Bird attracting species, Drought tolerant species, Hardy plant.
15	Mangifera indica	Mango	04	Edible fruit, Bird attracting species.

16	Michelia champaca	Sonchaffa	04	Medicinal value, Fragrant flowers, Butterfly larvae host plant, Bird attracting species, Fast growing.
17	Pongamia pinnata	Karanj	04	Medicinal value, Drought tolerant species, To control soil erosion, Hardy plant
18	Saraca indica	Sita-ashok	04	Medicinal value, Religious plant
19	Syzygium cumini	Jamun	04	Medicinal value, Edible fruit.
20	Elaeocarpus sphaericus	Rudraksha	06	Medicinal value, Native species
45.Total quantity of plants on ground				

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

Serial Number	Name	C/C Distance	Area m2
1	Not applicable	0	0

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	30 KVA X 1 No
	During Operation phase (Connected load):	2413 KW
	During Operation phase (Demand load):	1190 KW
	Transformer:	2 Nos. x 630 KVA
	DG set as Power back-up during operation phase:	250 KVA X 1 No
	Fuel used:	56.9 lit/hr. on 100 % loading , 42.6 lit/hr. on 75% loading, 29.9 lit/hr. on 50% loading
	Details of high tension line passing through the plot if any:	Not Applicable

48.Energy saving by non-conventional method:

The estimated saving in common area lighting consumption is up to 23 % i.e. 65804 KWh per Annum, due to adopting above measures

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Landscape lights with LED lamps	0.54
2	Solar water heater	21.83

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed

Waste water generation	Not applicable	STP with 350 KLD
Solid waste generation	Not applicable	Mechanized composting unit

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	130
	O & M cost:	1

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Erosion Control	Dust suppression measures / water sprinkling	1.0
2	Site Safety	Nets, Barricading	2.50
3	Site Sanitation	Public Toilet	2.0
4	Disinfection & health checkup	For labour	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	To treat the waste water STP plant of 250 Kl will be proposed	65	21
2	Rain Water Harvesting	Proposed number of RWH pits are 10.	10	1
3	Storm Water Networking (including external line connection)	Internal & external storm water line connection	60	1
4	Solid Waste Management	For mechanized composting unit	18	10
5	Green Belt Development	Total 255 number of trees will be planted	35	5
6	Solar Water Heater	To save electrical energy proposing the solar water heaters	130	1
7	Environmental Monitoring	To maintain the provided environmental services	-	1.60
8	Safety & Awareness Training	For labours & residents	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:	2
Parking details:	**Number and area of basement:**	1 basement (Area= 8519.17 SQM)
	Number and area of podia:	1 Podium (Area=3632.08 SQM)
	Total Parking area:	Total Parking area = Cover [11403.2] + Open [900] = 12303.20 Sq m
	Area per car:	15 to 25 Sqm
	Area per car:	15 to 25 Sqm
	Number of 2-Wheelers as approved by competent authority:	1047
	Number of 4-Wheelers as approved by competent authority:	267
	Public Transport:	0
	Width of all Internal roads (m):	6 mt
	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 (a)
	Court cases pending if any	Nil
	Other Relevant Informations	Nil

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

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for EC application for our Proposed residential cum commercial construction project located at Survey No. 11/1 (Part), Village Dhanori, Taluka Haveli, Dist. - Pune, State -Maharashtra by Gini Citicorp LLP.

PP submitted their application for prior Environmental clearance for total plot area of 23100 Sq. Mtrs, BUA of 44,112 Sq. Mtrs and FSI area of 25,833.39 Sq. Mtrs. PP proposes to construct 7 no. residential building.

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

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) PP to submit energy saving details also submit solar panel details in tabular format.
2) PP to submit specific NOC from respective authority to lay the sewer line on 18.30 m DP road.
3) PP to submit details of chambers to be constructed on proposed sewer line on DP road and approval from respective authority.
4) PP to submit revised debris management plan.
5) PP to submit details for CER activities.

FINAL RECOMMENDATION

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

Agenda of 68 th SEAC-3 Meeting (Day-3)

SEAC Meeting number: 68 **Meeting Date** August 25, 2018

Subject: Environment Clearance for Proposed Residential cum Commercial project

Is a Violation Case: No

1.Name of Project	"PRIDE PLATINUM"
2.Type of institution	Private
3.Name of Project Proponent	Mr. Murarilal Saraogi
4.Name of Consultant	Ultra-Tech (Environment Consultancy & Laboratory)
5.Type of project	Housing
6.New project/expansion in existing project/modernization/diversification in existing project	Amendment and Expansion Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	EC obtained vide letter No. 21-1128/2007-IA-III/TC1 dated 01st June 2009 for Construction area 83,354 sqm. Out of above 64,773 sqm is already completed.
8.Location of the project	S. No 16A, 16B, 16C, 16KH, 16G, 16GH, 16D, 16CH, 16CHH, 16J, 16ZA, 16T, 16TH, 16P
9.Taluka	Haveli
10.Village	Baner
Correspondence Name:	Mr. Murarilal Saraogi
Room Number:	-
Floor:	5th floor
Building Name:	Pride House
Road/Street Name:	Pune University Road
Locality:	Shivajinagar
City:	Pune
11.Area of the project	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Plan sanctioned by PMC, Pune vide CC No. 3568/14 dated 4/02/2015
	IOD/IOA/Concession/Plan Approval Number: CC No. 3568/14 for 42250.22sqm FSI Area
	Approved Built-up Area: 42250.22
13.Note on the initiated work (If applicable)	EC obtained vide letter No. 21-1128/2007-IA-III/TC1 dated 01st June 2009 for Construction area 83,354m2. Six residential buildings along with club house with built-up area 64,773m2 were already completed.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	39,858.16
16.Deductions	7,007.22
17.Net Plot area	32,850.94
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 47,199
	b) Non FSI area (sq. m.): 47,205
	c) Total BUA area (sq. m.): 94404
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 40358
	Approved Non FSI area (sq. m.): 42996
	Date of Approval: 01-06-2009
19.Total ground coverage (m2)	22,553
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	23 %
21.Estimated cost of the project	1418800000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Commercial Building – A (Proposed)	Basement + Ground + 03 floors	18.08 m
2	C-D, E-F, G-H (Existing)	Basement + Silt + 11	34.68 m
3	I-J (Proposed)	Basement + Silt + 18	57.25 m
4	Club House (Existing)	G+1	8 m

23.Number of tenants and shops	430 – Tenements; 2 – Showrooms; 18 – Shops; 42 – Offices
24.Number of expected residents / users	2150 – Residents; 681 – Commercial
25.Tenant density per hectare	108 Tenement / hector
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Nearest Fire Station Hinjewadi (9.3m) & Width of the road from the nearest fire station to the proposed building is 18m.
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	Building - C-D, E-F, G-H (Existing) - Basement + Silt + 11 floors - 34.68 m - Tenements: 288; Club-House (Existing) - G+1 floor
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	Pune Municipal Corporation
	Fresh water (CMD):	206
	Recycled water - Flushing (CMD):	117
	Recycled water - Gardening (CMD):	45
	Swimming pool make up (Cum):	3
	Total Water Requirement (CMD) :	371
	Fire fighting - Underground water tank(CMD):	450
	Fire fighting - Overhead water tank(CMD):	160
	Excess treated water	114
Wet season:	**Source of water**	Pune Municipal Corporation
	Fresh water (CMD):	206
	Recycled water - Flushing (CMD):	117
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	3
	Total Water Requirement (CMD) :	326
	Fire fighting - Underground water tank(CMD):	450
	Fire fighting - Overhead water tank(CMD):	160
	Excess treated water	159
Details of Swimming pool (If any)	Pool = 13.4mx6.5mx1.2m Channel = 6.5mx1.2mx0.9m	

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	138	68	206	21	10	31	117	58	175
Domestic	78	39	117	0	0	0	78	39	117
Gardening	--	45	45	--	45	45	--	00	00

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	8M
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	20
	Size of recharge pits :	2m x 0.9m X 2m
	Budgetary allocation (Capital cost) :	Rs. 20 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 1 Lakhs/Annum
	Details of UGT tanks if any :	Domestic UG tank Capacity: 206m3/day Flushing UG tank Capacity: 117m3/day Fire fighting: 450m3/day
35.Storm water drainage	**Natural water drainage pattern:**	Sloping from South to North
	Quantity of storm water:	1.24 m3/min
	Size of SWD:	Ø 750 mm having slope 1: 40
Sewage and Waste water	**Sewage generation in KLD:**	292 m3/day
	STP technology:	MBBR
	Capacity of STP (CMD):	Residential – 270 m3/day; Commercial – 40 m3/day
	Location & area of the STP:	Residential – Plot Centre; Commercial – North of Plot
	Budgetary allocation (Capital cost):	Rs. 70.37 Lakhs
	Budgetary allocation (O & M cost):	Rs. 26.97 Lakhs/Annum

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	28,499.57m3 to be used on site for filling
	Disposal of the construction waste debris:	This material shall be used for back filling and levelling of plot
Waste generation in the operation Phase:	**Dry waste:**	482
	Wet waste:	677
	Hazardous waste:	NIL
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	68.6
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Handed over to authorised contractor
	Wet waste:	SMART Organic waste composter
	Hazardous waste:	NIL
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as manure
	Others if any:	NA
Area requirement:	**Location(s):**	South – East of Plot
	Area for the storage of waste & other material:	106 m2 (Residential – 64 m2; Commercial – 42 m2)
	Area for machinery:	19 m2 (Residential – 13 m2; Commercial – 6 m2)
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 23.31 Lakhs
	O & M cost:	Rs. 5.67 Lakhs/Annum

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	DG - 500KVA	Diesel – 81.59 Ltr/hr	1	7	0.25	250
2	DG - 625KVA	Diesel – 101 Ltr/hr	1	8	0.25	280

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel	81.59	101	182.59
41.Source of Fuel		Authorized dealer		
42.Mode of Transportation of fuel to site		By Road		

43.Green Belt Development	**Total RG area :**	7,563.99 m2
	No of trees to be cut :	00
	Number of trees to be planted :	158
	List of proposed native trees :	Given
	Timeline for completion of plantation :	On project completion

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Anthocephalus Cadamba	Kadamb	93	Native, evergreen, gives shade, flowers, mythological value & wound healing medical use
2	Plumeria Alba	Champa	08	Native, evergreen, for beautiful fragrant flowers.
3	Plumeria Rubra	Frangipani	02	It grows as a spreading tree to 7–8 m high and wide, and is flushed with fragrant flowers of shades of pink, white and yellow over the summer and autumn.
4	Jacaranda mimosifolia	Jacaranda	06	Ornamental plant
5	Flcusbenjamina	Weeping Fig	38	Evergreen tree, non-flowering, Native, can be pruned and given topiary effect
6	Phoenix Sylvestris	Wild date palm	05	Ornamental plant
7	Callistemon Golden	Bottle Brush	34	Ornamental plant
8	Delonix Regia-1	Gulmohar	05	An Ornamental plant, flowering plant
9	Areca Catechu	Supari	77	Medicinal value, Ornamental plant
10	Felicium Decipiens	Fern Tree	17	Ornamental plant
11	Tabebuia Avellanedae	Pink Trumpet Tree	01	Medicinal value
12	Lagerstromia Speciosa	Tamhan	15	Flowering plant, Ornamental plant
13	Araucaria columnaris	Christmas Tree	02	Ornamental plant
14	Alstonia	Blackboard tree	105	Ornamental plant
15	Maytenus boaria	Lokhandi	03	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	NA	NA	NA

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	85 KW
	DG set as Power back-up during construction phase	160 KVA
	During Operation phase (Connected load):	4100.5 KW
	During Operation phase (Demand load):	2752 KW
	Transformer:	630KVA (5 No)
	DG set as Power back-up during operation phase:	500KVA (1 no) & 625 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:

Conventional T5 Fixture With Electronic Ballast Vs Energy Efficient Cfl Lights; For Common Area & Parking;
Conventional T5 Fixture With Electronic Ballast Vs Energy Efficient Led Lighting; For Common Area & Parking;
Energy Saving By Using Solar Lighting For External Lighting;
Energy Saving By Solar Lighting For Flat Lighting;
Energy Saving By Solar Water Heating

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Conventional T5 Fixture With Electronic Ballast Vs Energy Efficient Cfl Lights; For Common Area & Parking.	0.12%
2	Conventional T5 Fixture With Electronic Ballast Vs Energy Efficient Led Lighting; For Common Area & Parking.	0.32%
3	Energy Saving By Using Solar Lighting For External Lighting	0.01%
4	Energy Saving By Solar Lighting For Flat Lighting	0.38%
5	Energy Saving By Solar Water Heating	17.12%

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
STP	Not applicable	Capacity – Residential – 270 m3/day; Commercial – 40 m3/day
OWC	Not applicable	Total Area – 106m2 (Residential – 64m2; Commercial – 42m2)
DG Set	Not applicable	500KVA (1 no) & 625 KVA (1 no)

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 150.30 Lakhs
	O & M cost:	Rs. 1Lakhs/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	Water For Dust Suppression, air and noise monitoring	5.20
2	Water	Tanker water for construction, water monitoring	1.42
3	Land	Site Sanitation	5.00
4	Biological	Gardening	10.58
5	Socio-Economic	Safety, First Aid, Health Hygiene Facilities, Disinfection at site, Health Check Up, Crèches for children, Personal Protective Equipment, CFL lamps for labour hutments	1.40
6	Energy Conservation	CFL lamps for labour hutments	0.25
7	Total	-	23.85

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Water	STP	70.37	26.97
2	Rain Water Harwasting	RWH Pits	20.00	1.00
3	Environment Monetoring	Environment Monetoring	-	7.80
4	Energy Saving	Solar Water Heating	150.30	1.00
5	Land	Gardening	10.58	3.84
6	Solid Waste Management	OWC	23.31	5.67
7	Swimming Pool	-	5.28	1.44
8	Sewage Pumping Cost	-	7.0	0.7

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Project will confluent on 18m wide road and 02 junctions to main road
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	01 no. & 22,552.22 sqm
	Total Parking area:	25846 m2
	Area per car:	35 m2
	Area per car:	35 m2
	Number of 2-Wheelers as approved by competent authority:	1296
	Number of 4-Wheelers as approved by competent authority:	800
	Public Transport:	NA
	Width of all Internal roads (m):	6m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	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	18-02-2017

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for Proposed Residential cum Commercial project " PRIDE PLATINUM" at S. No 16A, 16B, 16C, 16KH, 16G, 16GH, 16D, 16CH, 16CHH, 16J, 16ZA, 16T, 16TH, 16P by Mr. Murarilal Saraogi.

PP submitted their application for prior Environmental clearance for expansion of the previous EC having total plot area of 32,850.94 Sq. Mtrs, BUA of 94,404 Sq. Mtrs and FSI area of 47,199 Sq. Mtrs.

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

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) PP to submit details of renewable energy with its calculations in the proposed development and area specification of terrace.
2) PP to submit site specific and executable EMP.
3) PP to submit details for CER activities for the proposed project.

FINAL RECOMMENDATION

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

Agenda of 68 th SEAC-3 Meeting (Day-3)

SEAC Meeting number: 68 **Meeting Date** August 25, 2018

Subject: Environment Clearance for project by M/s Shashwati Builders

Is a Violation Case: No

1.Name of Project	Reflections
2.Type of institution	Private
3.Name of Project Proponent	Siddharth K Khinvasara
4.Name of Consultant	JV Analytical Services
5.Type of project	Residential
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes
8.Location of the project	Survey No-18/6, Wakad Road, Village - Thergaon, Pune.
9.Taluka	Haveli
10.Village	Thergaon
Correspondence Name:	Mr Rohan Mutha
Room Number:	Office No 202
Floor:	-
Building Name:	Cello Platina
Road/Street Name:	FC Road
Locality:	Opposite Lalit Mohan, Next to Bank of Maharashtra
City:	Pune
11.Area of the project	PCMC
12.IOD/IOA/Concession/Plan Approval Number	Received
	IOD/IOA/Concession/Plan Approval Number: B.P./ENVIRONMENT/Thergaon/1/2016 dated 27/05/2016
	Approved Built-up Area: 33107.61
13.Note on the initiated work (If applicable)	Total constructed Area- 27625.76 m2 As per previous EC dated 8th April 2015
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	9975.614
16.Deductions	997.56
17.Net Plot area	8978.054
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 14968.77
	b) Non FSI area (sq. m.): 18138.83
	c) Total BUA area (sq. m.): 33107.60
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 14955.34
	Approved Non FSI area (sq. m.): 18152.27
	Date of Approval: 27-05-2016
19.Total ground coverage (m2)	1449.70
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	14.53 % of Total plot area(9975.614 m2) &16.15 % of Net Plot Area (8978.054 m2)
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	Building A	2P+12	42
2	Building B	2P+12	42
3	Building C	2P+12	42

23.Number of tenants and shops	203 Nos.
24.Number of expected residents / users	Residential User: 1015 Nos.
25.Tenant density per hectare	203
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	45 m wide D P Road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9m
29.Existing structure (s) if any	NA
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	PCMC
	Fresh water (CMD):	149.79 (One Time)
	Recycled water - Flushing (CMD):	45.68
	Recycled water - Gardening (CMD):	12.34
	Swimming pool make up (Cum):	0.42
	Total Water Requirement (CMD) :	91.77
	Fire fighting - Underground water tank(CMD):	225 m3
	Fire fighting - Overhead water tank(CMD):	60.00 m3
	Excess treated water	65.65
Wet season:	**Source of water**	PCMC
	Fresh water (CMD):	137.45 (One Time)
	Recycled water - Flushing (CMD):	45.68
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	0.42
	Total Water Requirement (CMD) :	91.77
	Fire fighting - Underground water tank(CMD):	225 m3
	Fire fighting - Overhead water tank(CMD):	60.00 m3
	Excess treated water	77.99
Details of Swimming pool (If any)	Dimension of Swimming Pool: 10 M X 5 M Total water Requirement in KLD: 60000 Liters Water requirement in KLD: 428 Liters/day Details of Plant & Machinery used for treatment of Swimming pool water: Details of quality to be achieved for swimming pool water and parameters to be monitored: Budgetary allocation (Capital cost and O & M cost)- Capital Cost: Rs. 12.00 Lakh O & M Cost : Rs. 1.44 Lakh/Year	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	5m BGL
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	-
	Quantity of recharge pits:	10 Nos.
	Size of recharge pits :	2MX2MX2M
	Budgetary allocation (Capital cost) :	Rs.10.0 Lakh
	Budgetary allocation (O & M cost) :	Rs. 2.0 Lakh/Year
	Details of UGT tanks if any :	Domestic UG tank Capacity –75 m3 Flushing UG tank Capacity: - 75 m3 Fire UG tank Capacity: - 225 m3
35.Storm water drainage	**Natural water drainage pattern:**	-
	Quantity of storm water:	450 m3/hr
	Size of SWD:	0.5 m in Width & Depth as per Slope
Sewage and Waste water	**Sewage generation in KLD:**	123.67
	STP technology:	MBBR
	Capacity of STP (CMD):	125 KLD- 1 No.
	Location & area of the STP:	-
	Budgetary allocation (Capital cost):	Rs. 49.09 lakh
	Budgetary allocation (O & M cost):	Rs. 7.45 lakh/Year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	25 kg/day
	Disposal of the construction waste debris:	Use for Leveling.
Waste generation in the operation Phase:	**Dry waste:**	203.00 kg/day
	Wet waste:	304.50 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	25Kg/day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	SWACH
	Wet waste:	Organic waste convertor
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as Manure after treatment in OWC
	Others if any:	NA
Area requirement:	**Location(s):**	-
	Area for the storage of waste & other material:	9 m2
	Area for machinery:	41 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 14.75 Lakh
	O & M cost:	Rs. 2.98 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- 225 KVA	HSD-38.60 Liters/hr	S-1	3.5	-	-

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	38.60 Liters/hr	Not applicable	38.60 Liters/hr
41.Source of Fuel		Hindustan Petroleum Corporation Limited/Bharat Petroleum		
42.Mode of Transportation of fuel to site		By Roadway		

43.Green Belt Development	**Total RG area :**	1341.63 m2
	No of trees to be cut :	NA
	Number of trees to be planted :	82 Nos.
	List of proposed native trees :	-
	Timeline for completion of plantation :	-

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Albizia lebbeck	Shirish	15	It is a larval host for Butterflies, fast Growing, Nitrogen fixing, heavy shade tree
2	Magnifera indica	Mango	6	Good for roadside plantation & provide shade
3	Cassia fistula	Bahava	17	It is a larval host for butterflies
4	Lagerstromia flos-regineae	Tamhan	14	Medium sized ornamental tree, used for avenue plantation.
5	Saraca indica	Sita Ashok	15	Medium Size, spreading, evergreen tree with rounded crown.
6	Acrus sapota	Chikoo	15	Good for roadside plantation & provide shade
45.Total quantity of plants on ground				

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

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

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	30 KVA - 1 No
	During Operation phase (Connected load):	1279.39 KW
	During Operation phase (Demand load):	629 KVA
	Transformer:	630 KVA X 1No.
	DG set as Power back-up during operation phase:	1 No. of 225 KVA
	Fuel used:	38.60 Liters/hr
	Details of high tension line passing through the plot if any:	No

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. T5 fittings 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 improves life of the fluorescent lamps.
4. Energy efficient LED/T5/CFL 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.
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.
6. 125 Ltrs Solar water is provided for each flat .
7. Solar PV panel system is proposed for Street lighting & Building common load.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	SOLAR WATER HEATING SYSTEM	96%
2	LIGHT FITTING & TIMER	22%
3	SOLAR PV PANEL	25%

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.15.75 Lakh
	O & M cost:	Rs. 5.70 Lakh/Year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP	-	49.09	7.45
2	RWH	-	10.00	2.00
3	MSW	-	14.75	2.98
4	Energy System	-	15.75	5.70
5	Solar water heating system	-	34.25	3.42
6	Solar PV system	-	6.00	0.30
7	Landscaping	-	8.70	5.00
8	Swimming pool	-	12.00	1.44
9	Safety Equipments	-	10.00	2.00
10	Post EC Monitoring	-	-	2.50
11	Dry Waste Management	-	-	1.22

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:	Area included in total parking area
	Total Parking area:	5253.89
	Area per car:	51.50
	Area per car:	51.50
	Number of 2-Wheelers as approved by competent authority:	406
	Number of 4-Wheelers as approved by competent authority:	102
	Public Transport:	-
	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	Court case no-243/2015
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	14-07-2016

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for project at Survey No-18/6, Wakad Road, Village - Thergaon, Pune. by M/s Shashwati Builders.

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.

Details	**As per EC dated 8th April, 2015**	**Proposed Amendment.**
Proposed Built up Area	Built up area- 31,903 sq.m FSI- 14,646.00 sq.m +Non FSI 17,257.79 Sq.m)	33,107.60 sq.m (FSI-14,968.77 sq.m +Non FSI- 18,138.83 sq.m)
Building configuration	Building A (G+P+12)-48 (2 BHK) & 24 (3 BHK) Building B (G+P+12)-47 (3BHK) Building C (G+P+12)-1 (1BHK), 47 (2BHK) &24 (3BHK)	Building A (2P+12)-48 (2 BHK) & 24 (3 BHK) Building B (2P+12)-24 (2BHK) & 35 (3 BHK) Building C (2P+12)-1 (1BHK), 47 (2BHK) &24 (3BHK)
Total Tenements	Total Tenement: 191 Nos	Total Tenement: 203 Nos
Occupancy	Occupancy : 955 Nos.	Occupancy : 1015 Nos.
Services	STP: 125 KLD (DTAS Technology) OWC : 500 Kg/day DG Set: 160 KVA- 2 Nos)	STP: 125 KLD (MBBR Technology) OWC : 500 Kg/day DG Set: 225 KVA- 1 Nos)

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) PP to submit details for CER activities.
2) PP to upload comparative statement for the change in area statement.

FINAL RECOMMENDATION

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

Agenda of 68 th SEAC-3 Meeting (Day-3)

SEAC Meeting number: 68 **Meeting Date** August 25, 2018

Subject: Environment Clearance for Proposed hill station type area development "The Green Butterfly" project at villages Telbaila, Majgaon and Saltar by Satind Infrastructures Pvt. Ltd.

Is a Violation Case: No

1.Name of Project	The Green Butterfly
2.Type of institution	Private
3.Name of Project Proponent	Smt. Taranjit Anand Director Satind Infrastructures Pvt. Ltd.
4.Name of Consultant	Aditya Environmental Services Pvt. Ltd.
5.Type of project	Hill station type area development.
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	List of survey number is attached as Annexure 1
9.Taluka	Mulshi
10.Village	Villages Telbaila, Majgaon and Saltar
11.Area of the project	Other area
12.IOD/IOA/Concession/Plan Approval Number	Approval from Urban Development, Department Govt. Of Maharashtra, vide notification no TPS1813/3302/CR-573 and TPS -1895/2247/CR-26/95/UD-13 declaring the specified area, three villages as a hill station development.
	IOD/IOA/Concession/Plan Approval Number: Approval from Urban Development, Department Govt. Of Maharashtra, vide notification no TPS1813/3302/CR-573 and TPS -1895/2247/CR-26/95/UD-13 declaring the specified area, three villages as a hill station development.
	Approved Built-up Area: 2096820
13.Note on the initiated work (If applicable)	No work has been initiated
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	TPS1813/3302/CR-573 and TPS -1895/2247/CR-26/95/UD-13
15.Total Plot Area (sq. m.)	97,94,100 m2
16.Deductions	4,55,100 m2
17.Net Plot area	93,39,000 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 18,96,829 m2
	b) Non FSI area (sq. m.): 1,99,992 m2
	c) Total BUA area (sq. m.): 20,96,820 m2
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	1170372
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	12 %
21.Estimated cost of the project	94650000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Small Villa Plots (525 sq m) 2000 unit	G + 1	9

2	Medium Villa Plots (800 sq m) 1300 units	G + 1	9
3	Luxury villa Plots (1000 sq m) 800 units	G + 1	9
4	Service Quarters 1948 units	G + 7	24
5	Commercial AVGC Park 1 unit	G + 6	21
6	City Office 1 unit	G + 2	12
7	Office Complex 2 units	G + 2	12
8	Hill Street Shopee 1 unit	G + 2	12
9	Service Industries 2 unit	G + 2	12
10	University 2 unit	G+ 2	12
11	Craft center 1 unit	G + 2	12
12	Cultural Center & Cineplex	G+ 2	12
13	Convention Center	G+ 2	12
14	Residential School	G+ 2	12
15	Primary + Secondary School	G+2	12
16	Multi specialty	G+ 2	12
17	Auditorium	G+ 2	12
18	City Club	G+ 2	12
19	Hotels < 3 star 5 nos Business Hotels	G + 3	12
20	Hotels > 3 star 3 nos Luxury Hotels & Convention centre	G + 4	16
21	Hotels > 3 star 1 nos Valley View Resorts	G + 4	16

23.Number of tenants and shops	Residential Residential Villas: 4,100 units Service quarters: 1948 units Total : 6048 units. Public Semi-public/Hotels Hotels (9): 2297 rooms Universities: 3 Residential School+School: 3 Hospital: 1 Commercial: AVGC Park: 1 Office complex: 2, Hill street shops City office: 1 Bank, Fire station, Petrol Pump, Police station: 1 each Service industries: 2. Office: 2
24.Number of expected residents / users	Residential: 20,500 Hotels: 4830 Public-Semi-public: 10,377 Service quarters:9,739 Commercial:18954 Service Industries: 6273 Total population: 70,672 nos.
25.Tenant density per hectare	Residential: 6.17 Tenement/hectare 30.87 Tenants/hectare
26.Height of the building(s)	

27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	36 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Minimum road width (tertiary roads) in the project premises is of 12 m has been proposed thus turning radius is more than 9 m for entire project.
29.Existing structure (s) if any	Gaothan of three villages (Saltar, Teilbaila and Majgaon) are coming in Project area which will be retained as it is and around 200 buffer zone with ROW is left as per approval.
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**	Proposed Water reservoirs(Rain water) (12 nos)
	Fresh water (CMD):	4728 m3/day
	Recycled water - Flushing (CMD):	2625 m3/day
	Recycled water - Gardening (CMD):	3295 m3/day
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	11015m3/day including HVAC water
	Fire fighting - Underground water tank(CMD):	Details of individual UGW tank will be calculated during detail designing of individual unit
	Fire fighting - Overhead water tank(CMD):	Details of individual OHW tank will be calculated during detail designing of individual unit
	Excess treated water	00 m3/day

Wet season:	**Source of water**	Proposed Water reservoirs(Rain water) (12 nos)
	Fresh water (CMD):	4728 m3 / d a y
	Recycled water - Flushing (CMD):	2625 m3/day
	Recycled water - Gardening (CMD):	00m3/day
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	7720m3/day including HVAC
	Fire fighting - Underground water tank(CMD):	details of individual UGW tank will be calculated during detail designing of the unit
	Fire fighting - Overhead water tank(CMD):	Details of individual OHW tank will be calculated during detail designing of individual unit
	Excess treated water	3295 m 3 /day
Details of Swimming pool (If any)	Details of the dimension of the swimming pool plant and machinery used for the treatment of swimming pool water will be dependent on the design of the individual unit and their need for such requirement . it will be calculated during detail designing of each unit	

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 approx. 4m bgl post monsoon approx.0.5 mbgl
	Size and no of RWH tank(s) and Quantity:	RWH tanks are not proposed , 5 check dams and 12 water bodies have been proposed
	Location of the RWH tank(s):	NA, location of check dams and reservoirs are given in master plan
	Quantity of recharge pits:	75 recharge pits with borewell of 30 m
	Size of recharge pits :	3mx3mx2m
	Budgetary allocation (Capital cost) :	Check dams - Rs. 2,50,000,000 , Rain water harvesting reservoirs
	Budgetary allocation (O & M cost) :	7,50,000
	Details of UGT tanks if any :	Two water treatment plants of 3 MLD in Northern part and 2 MLD in southern part of project has been proposed. ESR of different capacities are proposed from where the water will be supplied to entire premises. Details of individual UGT tank will be calculated during detailed designing of each component.

35.Storm water drainage	**Natural water drainage pattern:**	The storm water collected through the existing streams/ravines and additional storm water drains of adequate capacity will be led to recharge pits/ check dams and water reservoirs.
	Quantity of storm water:	2,61,49,200 cum
	Size of SWD:	Details are given in the EIA report
Sewage and Waste water	**Sewage generation in KLD:**	6617 m3/day
	STP technology:	Phytorid Technology
	Capacity of STP (CMD):	32 no.s of STPs of Phytorid Technology+ 1 ETP/ STP proposed for hospital having total capacity 6618 m3/day
	Location & area of the STP:	Area and location has been shown in master layout
	Budgetary allocation (Capital cost):	Rs. 25,50,00,060 /-
	Budgetary allocation (O & M cost):	Rs.65,98,000/-
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	1000 kg/day (Dry +wet)
	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:**	8.08 tonnes/day
	Wet waste:	9.76 tonnes/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	0.077 tonnes /day
	STP Sludge (Dry sludge):	115 kg/day
	Others if any:	E-waste- 0.089 tonnes/day

Mode of Disposal of waste:	**Dry waste:**	Dry waste will be further segregated into recyclable and non-recyclable. Recyclable waste like plastic and PET will be compressed through a baler machine and will be stored on site for further handover to authorized recyclers. Other non recyclable material with high calorific value will be treated by the method of pulverization and the pellets will be used for firing in boilers of hotels. The non-recyclable like sanitary wastes will be incinerated on site through an incinerator. A baler machine
	Wet waste:	Biodegradable waste will be treated in Biogas plant and Organic Waste Converter. One biogas plant has been proposed to treat the biodegradable waste generating from Hotels, Universities, Residential schools, Restaurants etc. around 57% of biodegradable waste will be get treated with Bio-methanation method. Around 43% of organic waste will be treated in organic waste convertor. Total 9 OWCs are proposed to treat the biodegradable waste generating from residential area, day school and city club.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	Authorized vendor
	STP Sludge (Dry sludge):	STP sludge from Phytorid Technology STP will be fed to Biogas
	Others if any:	E-waste: Agreement for management and disposal has been done with Hi-tech Recyclers.
Area requirement:	**Location(s):**	Locations of OWC and Biogas are provided in master layout
	Area for the storage of waste & other material:	Area and locations are given in the master layout
	Area for machinery:	Details are given in the master layout
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	1) OWC: Approx. Capital Cost: Rs.1,42,25,000/- 2) Sanitary Napkin Incinerator: Approx. Capital Cost: Rs. 8,70,000 /- 3) Smart Baler Machine : Approx. Capital Cost: Rs. 9,90,000/- 4) Biogas: Approx. Capital Cost: Rs. 1,93,00,000 /-
	O & M cost:	1) OWC: Approx. O & M Cost: 27,84,848/- 2) Sanitary Napkin Incinerator: Approx.O & M Cost:5,17,978/- 3) Smart Baler Machine : Approx.O & M Cost: 8,53,910 /- 4) Biogas: Approx.O & M Cost:18,96,000 /-

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	NA	6.5 to 7	6 to 6.5	5.5-9
2	TSS	mg/l	300 to 400	<10	100
3	BOD	mg/l	200 to 270	<10	30
4	COD	mg/l	500 to 560	<30	250
5	O & G	mg/l	15 to 20	<05	<10

Amount of effluent generation (CMD):	83
Capacity of the ETP:	83
Amount of treated effluent recycled :	50
Amount of water send to the CETP:	Not applicable
Membership of CETP (if require):	Not applicable
Note on ETP technology to be used	Details are given in EIA report
Disposal of the ETP sludge	ETP sludge will be disposed to CHWTF

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	96 no.s of DG sets of 1000 KVA	Approx. 153.30 Kg/hr per DG set	96	6.3m	10 inches	500-400 Deg Celsius
2	4 no.s of DG sets of 750 KVA	Approx.130.4 Kg/hr per DG set	4	5.4 m	8 inches	500-400 Deg Celsius
3	8 no.s of DG sets of 500 KVA	Approx.160 Kg/hr per DG set	8	4.4 m	6 inches	500-400 Deg Celsius
4	3 no.s of DG sets of 400 KVA	Approx.160 Kg/hr per DG set	3	4.0 m	6 inches	500-400 Deg Celsius
5	4 no.s of DG sets of 320 KVA	Approx.160 Kg/hr per DG set	4	3.5 m	6 inches	500-400 Deg Celsius
6	6 no.s of DG sets of 250 KVA	Approx.31.8 Kg/hr per DG set	6	3.16 m	5 inches	500-400 Deg Celsius
7	23 no.s of DG sets of 600 KVA	Approx.160 Kg/hr per DG set	23	4.8 m	6 inches	500-400 Deg Celsius

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		Petrol pump in the premise		
42.Mode of Transportation of fuel to site		By road		

43.Green Belt Development	**Total RG area :**	908.48 Acres (39.36%)
	No of trees to be cut :	No tree will be cut. Only shrubs coming under building foot print or road will be cut.
	Number of trees to be planted :	2.75 Lakhs
	List of proposed native trees :	Detailed list is attached as Annexure No.2
	Timeline for completion of plantation :	12-15 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	Detailed list is attached as Annexure no. 2	Detailed list is attached as Annexure no. 2	Detailed list is attached as Annexure no. 2	Detailed list is attached as Annexure no. 2
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/Tata Power
	During Construction Phase: (Demand Load)	Details are given in EIA report
	DG set as Power back-up during construction phase	Total 37 DG sets have been proposed during construction Phase of following capacities 1000 kVA-11 nos. , 750 kVA-3 nos., 600 kVA-13 nos. , 500 kVA3 nos. , 400 kVA-3 nos., 320 kVA-2 nos. , 250 kVA-2 nos.
	During Operation phase (Connected load):	223 MW
	During Operation phase (Demand load):	166 MVA
	Transformer:	Receiving station has been proposed
	DG set as Power back-up during operation phase:	Total 144 DG set has been proposed: Details are as follows- 1) 1000 KVA- 96 DG sets 2) 750 KVA- 4 DG sets 3) 600 KVA- 23 DG sets 4) 500 KVA- 8 DG sets 5) 400 KVA-3 DG sets 6) 320 KVA-4 DG sets 7) 250 KVA- 6 DG sets
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

-Around 35 to 40 % power requirement will be met through Green Energy, with combination of solar PV and wind mills.
-Each residential villa, will have 1.5 kWp to 10 kWp Solar PV and combination of wind and Solar PV power generating unit.
-Commercial complexes such as hotels, hospitals, office complex, office complex,University campus will have minimum 100 to 200 kW -solar PV plant to feed their own requirement.
-Non-buildable area will be explore for installation of solar PV plant.
-Power gener

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Use of renewable energy like solar and wind energy	35-40 % energy saving by using renewable energy

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. 250,00,00,000/-
	O & M cost:	Rs. 5,00,00,000/-

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	land environment	Labour camp toilets	20,00,000/-
2	health and safety	labour safety equipment and training	2,00,00,000/-
3	land , water, noise and air environment	Environmental monitoring	7,60,000/-
4	Health and safety	Disinfection and Health Check -ups (per year)	24,90,000/-
5	water environment	Sewage treatment plant (2 no.s)	Capital cost 60,00,000/- O & M cost 9,00,000/-
6	land environment	Organic waste treatment (OWC)	Capital cost 20,25,000/- O & M cost 4,77,855/-
7	water environment	Packaged water treatment plant	30,00,000/-
8	air environment	continuous air monitoring station	Capital cost 1,03,00,000 O & M 7,00,000 /-
9	water environment	Check dams	2,50,00,000/-
10	water environmnet	Reservoirs	15,00,00,000/-

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	32 no.s of STP with Phytorid Technology	25,50,00,060 /-	65,98,000/-
2	OWC	9 OWC machines	1,42,25,000/-	27,84,848/-
3	Sanitary Napkin Incinerator	9 Incinerators	8,70,000 /-	5,17,978/-
4	Smart Baler Machine	9 baler machines	9,90,000/-	8,53,910 /-
5	Biogas	1 biogas plant	1,93,00,000 /-	18,96,000 /-
6	Landscaping	Development and maintenance of Landscape area	41,19,70,000/-	32,95,600/-
7	Rain Water Harvesting	Recharge pits	26,25,000 /-	7,50,000/-
8	Water Treatment Plant	2. no.s of WTPs	8,04,00,000/-	1,22,16,000/-
9	ETP / STP for Hospital	1 ETP-STP proposed for hospital	1,31,00,000/-	30,00,000 /-
10	Solar and Wind Energy	Devices for renewable energy	250,00,00,000/-	5,00,00,000/-
11	Environmental Monitoring	Land, air, noise and waterenvironment	Cost of online monitoring has been considered in construction phase EMP costing.	30,65,000/-

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 Major District Road that connects Khalapur and Khopoli to Pali somewhat North to South, parallel and west to the road that presently connects the site from Lonavala and onwards onto Tamhini Ghat. This MDR is a potential future connector, and the PWD's present road map for Raigad District and the Govt. of Maharashtra's own MoU with this development, opens possible opportunities for connecting the lower main road to the Lonavala-Tamhini connector, bringing Mumbai to within 1.0-1.5 hours to th
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	For visitors around 95000 sq m area has been identified for around 3000 vehicles. In total provision of parking for 12044 number of 4 wheeler and 36132 of 2 wheeler and bicycle is proposed for the project. For private parking facility is set aside in three different areas and will be distributed within each individual sector and applicable villas.
	Area per car:	12.5
	Area per car:	12.5
	Number of 2-Wheelers as approved by competent authority:	36132 of 2 wheelers
	Number of 4-Wheelers as approved by competent authority:	12044 number of 4 wheelers
	Public Transport:	Public transport will be arranged by SIPL. Details are given in EIA report.
	Width of all Internal roads (m):	Internal Road proposed • Arterial Roads – 36m ROW (3-Lane + 3-Lane) • Sub Arterial Roads – 24m & 18m ROW (2-Lane + 2-Lane) • Tertiary Roads – 12m ROW (2-Lane)
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	1)Reserve Forest near Saltar Site adjacent 2)Reserve Forest near Kewani Pathar 5 km - S 3)Reserve Forest near Navghar 5 km - W 4)Reserved Forest near Kadva Dongar 9.30 km - NE 5)Reserved Forest near Morgiri 13 km - NE 6)Reserve Forest near Ponda 14 km- SE

	Category as per schedule of EIA Notification sheet	8 b "Townships and Area development"
	Court cases pending if any	1 court case is Pending in Civil Court of Pune
	Other Relevant Informations	This Application is for compliance. As "The Green Butterfly" project was submitted to Dept of Environment, Govt. of Maharashtra dated 20.04.2009 and discussed in 20th SEAC meeting dated 30.11.2009. -On submission of compliance, the proposal was discussed in 43rd SEAC meeting, Project was recommended for prior Environment Clearance dated 18.04.2011. -Project was considered in 40th SEIAA meeting dated 12.10.2011. Authority asked for the final approval of hill station development u/s 20 (4) of the MRTP Act, 1966. -After submission of approval from the Govt. of Maharashtra vide its notification dated 26.11.2015, the case was considered in 96th SEIAA meeting. - Proposal discussed in 47th SEAC-III meeting under EIA Notification as a compliance case. Terms of Reference (ToR) has been issued by Dept. of Environment, Govt. of Maharashtra to supplement earlier EIA studies dated 23.05.2016. -SEAC III hearing has been done in 55th Meeting dated 8.10.2016. - Minutes of meetings has been received dated 19.10.2016.
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for Proposed hill station type area development “The Green Butterfly” project at villages Telbaila, Majgaon and Saltar by M/s. Satind Infrastructures Pvt. Ltd.

PP submitted their application for prior Environmental clearance for total plot area of 97,94100 Sq. Mtrs, BUA of 20, 96820 Sq. Mtrs and FSI area of 18,96829 Sq. Mtrs.

During meeting the case was discussed on the basis of the documents submitted and presentation made by the proponent. The chapter wise presentation regarding EIA studies /ToR was done. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined under EIA Notification, 2006 with category 8 (b), B1

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) PP presented on the basis of land environment.
2) PP to submit the details of ownership of lands in the format, clarifying weather they have bought land of Adivasi public, Private, forest or Government land.
3) PP to clarify whether any development plan is proposed by cutting the trees as dense forest with lush green pockets are Arial seen on the plan.
4) PP to take trial pits at location where development is expected as per the proposed master plan, to understand the soil strata and same shall be reflected in the ecological report.
5) PP to carry out the soil tests in the villages following in the vicinity to check the properties whether acidic or alkaline.
6) PP to clarifying on the following- a) Will the existing land use get significantly altered form the project that is not consistent from surrounding ? b) Whether proposed land use confirms the master plan approved by competent authority.
7) PP to submit the plan for soil stabilization as proposed construction site to prevent soil erosion .
8) PP to submit plan for the entire project showing the natural water courses, the total width covered during peak periods (Months) and clarify what steps taking to conserve the same without disturbing the ecology.
9) PP to ensure that the proposed land use confirms to the staturary approved plan from competent authority.
10) The total area is to be developed is about 3,200 Acres.
11) During construction phase labour colony will be provided with the provision of the required fuel, water and imitation facilities.
12) The entire area is having thick forest in certain patches, it is necessary to maintain the same sancity of the same PP to clarify.
13) PP to submit the details of wetlands to be created and their use for domestic water storage, sewage treatment and Rain water harvesting.
14) PP to submit all required NOCs from the concern agencies including consent for fresh water supply of required quantity.
15) PP to submit fugitive dust modelling data for any cutting or drilling which may likely to takes place during excavation.
16) PP to clarify whether quarrying is proposed on the site if so, submit the report on the impact created on environment.
17) PP to ensure that the UDPFI guidelines shall be followed and road network shall be design accordingly.
18) PP to carryout soil monitoring in all villages in the vicinity of the project and submit the data.
19) PP to submit geotechnical survey report.
20) PP to submit trees cutting plan.
21) PP to submit affidavit stating that there is no forest and adivasi land in this project.
22) PP to submit water runoff and calculations at the site.
23) PP to submit details of check dams- contour map- no to change national course of water
24) PP to submit original topography by remote sensing.
25) PP to submit details of no development zone
26) PP to submit details of unstable slopes on land for stability of land.
27) PP to submit affidavit regarding recommendations of Gadgil Committee and the areas included.
28) PP to submit details of buffer zone-agriculture land.

FINAL RECOMMENDATION

SEAC-III decided to defer the proposal till PP submits the additional information as per above conditions within 30 days

Agenda of 68 th SEAC-3 Meeting (Day-3)

SEAC Meeting number: 68 **Meeting Date** August 25, 2018

Subject: Environment Clearance for Environmental Clearance for Proposed Residential Development

Is a Violation Case: No

1.Name of Project	Parksyde Residences
2.Type of institution	Private
3.Name of Project Proponent	M/s Jaikumar Construction LLP
4.Name of Consultant	M/s. Enviro Analysts and Engineers Pvt. Ltd.
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in existing Project.
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes, 1.we have received the environmental clearance vide Environment Clearance letter no SEAC-2212/CR234/TC-1. 2.We have received environment clearance from Nashik Municipal Corporation vide commencement certificate no LND/BP/C1/675/17083 dated 01/03/2018 for FSI 71,880.05 m2
8.Location of the project	S.NO. 256/2to6/6 +256/2to6/8 (P)+256/2 TO6/1+257/1A+257/1B+257/1C+257/1D+257/1J+257/2A/1(P) +257/2B (P)+257/1E+257/1e(P) +257/1H+257/1F/2(P) +257/1G(P)+P.NO. 1 TO 8 From S.no.256/7, Near Rasbihari School, Off Mumbai Agra Highway, Nashik,State - Maharashtra
9.Taluka	Nashik
10.Village	Nashik
Correspondence Name:	M/s Jaikumar Construction LLP,Near Rasbihari School, Off Mumbai Agra Highway, Nashik,State - Maharashtra
Room Number:	-
Floor:	-
Building Name:	-
Road/Street Name:	-
Locality:	Nashik
City:	Nashik
11.Area of the project	Nashik Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Commencement certificate by N.M.C. obtained
	IOD/IOA/Concession/Plan Approval Number: C-1/675/17083, Dated – 01-03-2018.
	Approved Built-up Area: 86016.75
13.Note on the initiated work (If applicable)	We have initiated the work on site as per the Environment Clearance and the sanctions received
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	73079.05
16.Deductions	12641.70
17.Net Plot area	60437.35
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 106285.93
	b) Non FSI area (sq. m.): 30,097.44
	c) Total BUA area (sq. m.): 98604.58
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 86016.75
	Approved Non FSI area (sq. m.): 37539.69
	Date of Approval: 01-03-2018
19.Total ground coverage (m2)	16131.30
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	27%
21.Estimated cost of the project	2987100000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A	Stilt Parking + 13 Floors	39.45
2	B	Stilt Parking + 13 Floors	39.45
3	C	Stilt Parking + 13 Floors	39.45
4	D	Stilt Parking + 13 Floors	39.45
5	E	Stilt Parking + 13 Floors	39.45
6	F	Stilt Parking + 12 Floors	36.60
7	G	Stilt Parking + 12 Floors	36.60
8	H	Stilt Parking + 12 Floors	36.60
9	I	Stilt Parking + 15Floors	45.15
10	J	Stilt Parking + 15 Floors	45.15
11	K	Stilt Parking + 15 Floors	45.15
12	L	Stilt Parking + 15 Floors	45.15
13	N	Stilt Parking + 15 Floors	45.15
14	O	Stilt Parking + 15 Floors	45.15
15	P	Stilt Parking + 15 Floors	45.15
16	Q	Stilt Parking + 15 Floors	45.15
17	R	Stilt Parking + 15 Floors	45.15
18	S	Stilt Parking + 15 Floors	45.15
19	T	Stilt Parking + 12 Floors	36.60
20	U	Stilt Parking + 12 Floors	36.60
21	V	Stilt Parking + 12 Floors	36.60
22	M1	Stilt Parking + 15 Floors	45.15
23	M2	Stilt Parking + 15 Floors	45.15
24	M3	Stilt Parking + 15 Floors	45.15
25	M4	Stilt Parking + 15 Floors	45.15
26	M5	Stilt Parking + 15 Floors	45.15
27	Club House	Ground + 1 Floor	7.73
28	Maintenance Office	Ground Floors	3.60
29	M6	Stilt Parking + 15 Floors	45.15

23.Number of tenants and shops	Tenements:1496
24.Number of expected residents / users	Residential: 7480
25.Tenant density per hectare	220 Tenement per hectare
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Maximum:45.15 m Minimum:3.60 m

28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Site abutting on 30.0m wide. road on west & 24.0 m wide road on South side and width of the internal road is 12 m.
29.Existing structure (s) if any	Turning 9 m radius for easy access of fire tender movement from all around the building is 9 m.
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	Nashik Municipal Corporation
	Fresh water (CMD):	684
	Recycled water - Flushing (CMD):	337
	Recycled water - Gardening (CMD):	126
	Swimming pool make up (Cum):	17
	Total Water Requirement (CMD) :	1164
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	270
	Excess treated water	410

Wet season:	**Source of water**	Nashik Municipal Corporation
	Fresh water (CMD):	684
	Recycled water - Flushing (CMD):	337
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	17
	Total Water Requirement (CMD) :	1038
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	270
	Excess treated water	536
Details of Swimming pool (If any)	• • Dimension of Swimming Pool: Main Pool = 410.31 sq.mt x 1.20 m Baby Pool = 40.92 sq.mt x 0.60 m • Total water Requirement in KLD: 517 • Water requirement for makeup in KLD:17	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Fresh water requirement	0	684	684	0	68	68	0	616	616
Domestic	0	337	337	0	34	34	0	303	303
Gardening	0	126	126	0	126	126	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	15m
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	23 Nos. of RWH pits with bore
	Size of recharge pits :	4.5 m x 4.5 m x 4.5m
	Budgetary allocation (Capital cost) :	Rs. 96 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 1.38 Lakhs/annum
	Details of UGT tanks if any :	Domestic UG tank Capacity:1100 m3 Flushing UG tank Capacity: 198m3 Fire UG tank Capacity: 200 m3
35.Storm water drainage	**Natural water drainage pattern:**	From North to south
	Quantity of storm water:	1099.57 m3
	Size of SWD:	900 mm dia having slope 1:300
Sewage and Waste water	**Sewage generation in KLD:**	918 m3/day
	STP technology:	SBR
	Capacity of STP (CMD):	1 STP of capacity 920 m3
	Location & area of the STP:	Behind R & S wing
	Budgetary allocation (Capital cost):	Rs. 119.05 Lakhs
	Budgetary allocation (O & M cost):	Rs. 44.35Lakhs
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	15 Kg
	Disposal of the construction waste debris:	This material will be used for back filling and leveling of the plot and remaining will be disposed to authorized sites.
Waste generation in the operation Phase:	**Dry waste:**	1048 kg/day
	Wet waste:	1570 kg/day
	Hazardous waste:	Negligible
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	230 Kg/day
	Others if any:	Negligible

Mode of Disposal of waste:	**Dry waste:**	Will be handed over to authorized recyclers
	Wet waste:	Will be treated in an Organic Waste Converter
	Hazardous waste:	Authorized hazardous waste management agencies
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be used as manure for landscaping
	Others if any:	E-waste:will be handled by authorized E-waste management agency.
Area requirement:	**Location(s):**	Behind R & S wing
	Area for the storage of waste & other material:	251 m2
	Area for machinery:	9 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs 15 Lakhs
	O & M cost:	Rs. 4.8 lacs/ annum

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	DG set	Diesel	2	3	1.75	90

40.Details of Fuel to be used

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

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

43.Green Belt Development	**Total RG area :**	11,708.62
	No of trees to be cut :	NA
	Number of trees to be planted :	755
	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	Peltoforum pterocarpum	Copper pod	51	Medium sized evergreen tree, fragrant yellow flowers.
2	Pongamia pinnata	Karanj	57	Shady tree.
3	Azadirachta indica	Neem	69	Large tree, good for roadside plantation
4	Ficus benjamina	Jambhul	23	It is a very popular house plant in temperate areas, due to its elegant growth and tolerance of poor growing conditions
5	Michelia champaca	Son chafa	65	Medium sized evergreen tree, Shady tree. fragment flower
6	Milingtonia hortensis	Buch	60	The tree is considered ornamental and the pleasant fragrance of the flowers renders it ideal as a garden tree.
7	Erythrina indica	Pangara	37	Medium sized deciduous tree. Bright scarlet flowers
8	Lagerstroemia flosregineae	Tamhan	39	State flower tree of Maharashtra Medium sized tree, beautiful purple flowers
9	Tabebuia argentia	Trumpet tree	57	The nectar of Tabebuia flowers is an important food source for several species of bees .
10	Tabebuia rosea	Trumpet tree	35	It is a popular ornamental tree in subtropical and tropical regions, grown for its spectacular flower display on leafless shoots at the end of the dry season.
11	Bauhinia blakeana	Kanchan	42	This is a very popular ornamental tree in subtropical and tropical climates, grown for its scented flowers
12	Spathodia	Pichkari	47	This tree is planted extensively as an ornamental tree and is much appreciated for its very showy reddish-orange or crimson
13	Anthocephallus cadamba	Kadam	155	Shady, large tree, ball shaped flowers
14	Terminalia katappa	Khota badam	86	Shady tree. Bird attracting fruit tree.
15	Plumeria alba	Pandhara chafa	99	Medium sized evergreen tree

16	Manikarazapota	Chiku	56	fruit tree
17	Trees to be retained	--	--	--
18	Ficusreligosa	Pimpal	2	Religious tree.
19	Mangiferaindica	mango	4	Large shady,fruit tree.
20	Tamarindusindica	Tamarind	2	Large shady,fruit tree
21	Acacia nilotica	Babhul	2	Thorny tree
22	Santalum album	Chandan	1	Auspicious tree
23	Total	--	11	--
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	Hamellia patens	@ 0.60m c/c	170
2	Canna dwarf	@0.45m c/c	320
3	Hibiscus yellow	@0.60mc/c	220
4	Muraya exotica	@0.75mc/c	225

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	200KVA
	DG set as Power back-up during construction phase	125 KVA
	During Operation phase (Connected load):	7370.00 kW
	During Operation phase (Demand load):	6150.00 kVA
	Transformer:	13 Nos. 630KVA
	DG set as Power back-up during operation phase:	2 D.G sets of total capacity 380 KVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

• 8W LED Fixtures proposed for parking areas & 15 W LED Fixtures in Common Lobby areas
• Automatic time based controls are proposed in Drive –ways of Parking to save power by switching ON & OFF the lights at appropriate time.
• Solar Heating is being proposed for Hot water used in Toilets & Kitchens.
• V3F drive motors should be used for lifts, which saves 30% energy consumption.
• We have proposed using SOLAR energy for Street Lighting and Parking Lighting. For Each Building having individual 7KW capacity of Solar energy is provided. For Lift & Common lighting load. We are installing 200 KW capacity system for other Common utilities. Like Street lighting, STP, Water pumping system etc.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Energy Saving using 10W LED Lamps etc Inside the building for Common Areas : Ground Floor Parking Areas & Main Entrance Lobby.	6.59 %
2	Energy Saving using 10W LED Lamps Every Floor Common Passage lobby (Lift Lobbies) & & Staircase Landing	8.52 %
3	Energy Saving Due to uses of LED Lights in Internal Flats of the each building	60.88%
4	Area Lighting used of LED lights in Garden Areas : Pole Light / Tree up lighter, Step lights, UP & Down Lighter) Total Lights divided in Two parts ? 50% Lights will have Timers of 6.30 PM to 10.30 PM ? 50% Lights will have Timers of 6.30 PM to 6.30 AM	10.51%
5	Energy Efficient Motor & V3F Drive reduce the Starting Torque Passenger Lift of Indivisual Building	6.5%
6	Energy saved in compare with Water Gyser Against Solar Water Heater System	7.38%

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
STP	Not applicable	920
OWC	Not applicable	OWC 300

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.287 Lakhs
	O & M cost:	Rs.12.5 Lakhs

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Environmental monitoring	PM10, PM2.5, SO2, NOx, CO, Equivalent noise level, Analysis of water for physical, chemical, biological parameters.	2.1
2	Air Environment	Water For Dust Suppression Air & Noise monitoring	2.1
3	Water Environment	Tanker water for construction Water monitoring	16.8
4	Land Environment	Site Sanitation Gardening	41.86
5	Socio- Economic Environment	Disinfection- Pest Control First Aid Facilities Health Check Up Personal protective equipment	21.48
6	Energy Conservation	CFL lamps for labour hutments	0.07

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	NA	13.74
2	Water	RWH	96	1.38
3	Water	STP	119.05	44.35
4	Energy	Solar Water Heating	287	12.5
5	Land Environment	Gardening	328.5	25
6	Solid waste	Solid waste management	15	4.8
7	Swimming Pool	Swimming Pool	100	5.5

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:	Traffic generated from this project will confluent on 30 m and 24 m wide road.

Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	3 nos. 5511.80 m2
	Total Parking area:	45195 m2
	Area per car:	12.5 m2
	Area per car:	12.5 m2
	Number of 2-Wheelers as approved by competent authority:	3007
	Number of 4-Wheelers as approved by competent authority:	1652
	Public Transport:	Nearest 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	8a
	Court cases pending if any	NA
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for Environmental Clearance for Proposed Residential Development at 257/ 1A, 257 /1B, 257/ 1C, 257/ 1D,257/ 1J,257/ 2A/ 1(P), 257/ 2B(P), 256/2to6/6 +256/2to6/8 (P)+256/2 TO 6/1+256/7 & P.NO. 1 TO 8 Near Rasbihari School, Off Mumbai Agra Highway , Nashik , State - Maharashtra by Mr Manoj Jaikumar Tibrewala.

DECISION OF SEAC

PP has requested to consider the project in upcoming meeting as there are changes/modifications to be done in the in the application submitted.

Committee decided to consider the case in upcoming meeting as per the request from the PP.

Specific Conditions by SEAC:

1) During the meeting PP stated that, the project was appraised by SEAC in its 10th held on 12th & 13th August, 2014 for built up area of 1,07,055.28 Sq.m. Accordingly, SEIAA issued EC vide letter no. SEAC-2212/CR-234/TC-1 dated 12th December, 2014 with restricting Built up area of 75,827.12 Sq.m (FSI-46,004.41 Sq.m + Non FSI 29,822.71 Sq.m) as approved by planning authority.
2) Subsequently PP submitted the proposal to Nashik Municipal Corporation (NMC) for FSI area of 71,880.05 Sq.m and NMC has issued EC vide no. NMC/PHED/12A/2018 dated 5.01.2018. As per Para No. 7 of EC issued by NMC mentioned that PP permitted to construct FSI area up to 71,880.05 Sq.m. Further construction work above 71,880.05 Sq.m shall require separate EC. Meanwhile PP has obtained sanction of building permission and commencement certificate on 01.03.2018 wherein construction is permitted for FSI area 71,880.05 Sq.m.
3) Committee opinion that as per EIA Notification is summation of FSI and Non FSI area any expedience of construction beyond that EC permitted Built up area will have adverse impact on environment and ecology. Accordingly, SEAC considered the project and requested PP to submit clarification from NMC about the built up area which is mentioned in EC issued on 05.01.2018

FINAL RECOMMENDATION

SEAC-III decided to defer the proposal till PP submits the additional information as per above conditions within 30 days

SEAC Meeting number: 68 **Meeting Date** August 25, 2018

Subject: Environment Clearance for Kumar Peninsula, Pashan, Pune

Is a Violation Case: No

1.Name of Project	Kumar Peninsula
2.Type of institution	Private
3.Name of Project Proponent	Kumar Company
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	Not applicable
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	S. No.135
9.Taluka	Haveli
10.Village	Pashan
Correspondence Name:	Kumar Capital
Room Number:	2413
Floor:	NA
Building Name:	NA
Road/Street Name:	East Street
Locality:	Camp
City:	Pune 411001
11.Area of the project	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Commencement Certificate dated 25th Nov 2013
	IOD/IOA/Concession/Plan Approval Number: Commencement Certificate no.CC/2611/13
	Approved Built-up Area: 43854.12
13.Note on the initiated work (If applicable)	Work of Buildings A and B was completed as per available plot potential
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	13434.88 sq. m.
16.Deductions	3542.40 sq. m.
17.Net Plot area	9892.48 sq. m.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 18739.63
	b) Non FSI area (sq. m.): 25114.50
	c) Total BUA area (sq. m.): 43854.12
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	2240.24
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	16.6
21.Estimated cost of the project	1136400000

22.Number of buildings & its configuration

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

1	Building A (existing)	Lower Basement + Upper Basement + 11 floors	34.2
2	Building B (existing)	Lower Basement + Upper Basement + 11 floors	34.2
3	Building C	Lower Basement + Upper Basement + 11 floors	34.95
4	Building D	Lower Basement + Upper Basement + 11 floors	34.95

23.Number of tenants and shops	Tenants: 172 nos.
24.Number of expected residents / users	1034
25.Tenant density per hectare	128.35
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Aundh Fire Brigade Station (2 km towards North-East) Access through 20m wide DP road.
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Minimum turning radius of 6 m is provided for fire tender movement
29.Existing structure (s) if any	Building A and B
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 water and recycled water from STP
	Fresh water (CMD):	47
	Recycled water - Flushing (CMD):	24
	Recycled water - Gardening (CMD):	5
	Swimming pool make up (Cum):	73
	Total Water Requirement (CMD) :	76
	Fire fighting - Underground water tank(CMD):	NA
	Fire fighting - Overhead water tank(CMD):	40
	Excess treated water	35
Wet season:	**Source of water**	PMC water, rainwater and STP recycled water
	Fresh water (CMD):	47
	Recycled water - Flushing (CMD):	24
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	73
	Total Water Requirement (CMD) :	71
	Fire fighting - Underground water tank(CMD):	NA
	Fire fighting - Overhead water tank(CMD):	40
	Excess treated water	39
Details of Swimming pool (If any)	Size: 12.25 m x 5.25 m x 1.2 m (Depth) • Plant & Machinery used for treatment of Swimming pool water: pressure sand filter, Dosing pump for chlorination, pH correction, alum addition (maximum dosing flow – 1-6 lph) • Details of quality to be achieved for swimming pool water and parameters to be monitored: pH 7.1-7.5, chlorine level- 1-3ppm	

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:**	11 m below ground level
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	4 nos.
	Size of recharge pits :	2 m x 1.5 m x 3.5 m (depth)
	Budgetary allocation (Capital cost) :	250000
	Budgetary allocation (O & M cost) :	25000
	Details of UGT tanks if any :	Domestic water: 47 m3 Flushing water: 24 m3 Fire water: 100 m3 (existing tank of building A and B)
35.Storm water drainage	**Natural water drainage pattern:**	From North-West to South-East
	Quantity of storm water:	167 ltrs./ sec.
	Size of SWD:	450 mm x 350 mm
Sewage and Waste water	**Sewage generation in KLD:**	64.0
	STP technology:	MBBR
	Capacity of STP (CMD):	1 no. Capacity: 70 KLD
	Location & area of the STP:	Location: Ground floor; Area: 52 sq. m.
	Budgetary allocation (Capital cost):	Rs. 1750000/-
	Budgetary allocation (O & M cost):	Rs. 437500/-
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Cement Bags: 9540 bags; Paint Container (20L): 954 nos.; Scrap Metal Generated: 3 MT; Broken Tiles: 795 sq. m.
	Disposal of the construction waste debris:	Cement Bags: Hand over to recyclers; Paint container (20L): To be handed over to recyclerl; Scrap metal generated: 100 % to be sold for recycling; Broken Tiles: Waste tiles to be used for skirting. Broken pieces to be used for china mosaic waterproofing of terrace.
Waste generation in the operation Phase:	**Dry waste:**	207 kg/ day
	Wet waste:	310 kg/ day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	3.2 m3
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Handover to local authorized dealers
	Wet waste:	Processing in OWC system and use of obtained manure for landscaping
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Processing in OWC system and use of obtained manure for landscaping
	Others if any:	NA
Area requirement:	**Location(s):**	Ground floor
	Area for the storage of waste & other material:	1.65 sq. m. each day
	Area for machinery:	3.0 sq. m.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 600000/-
	O & M cost:	Rs. 180000/-

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 :**	1289.72 sq. m.
	No of trees to be cut :	NA
	Number of trees to be planted :	172
	List of proposed native trees :	Shirish, bahava, krushna kamal, palas, satvin etc.
	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	Dillenia Ceiba	Karmal	13	This is a medicinal tree. In Ayurveda it is used to prepare various medicines. It is a non-toxic tree.
2	Albizia Iebbeck	Shirish	11	Albizia Lebbeck is a medicinal tree native to India which is found throughout country. In Ayurveda it is used to prepare various medicines. It is a non-toxic tree. This tree contains alkaloids, tannins, saponins and flavonoids which has medicinal action. It is a nitrogen fixing tree. In Ayurveda its use is specially indicated in treating bites and stings from poisonous animals such as snake.
3	Bauhinia Purpurea	Mountain Ebony	19	Its bark is alternative, anthelmintic, astringent and tonic. The juice of the bark is used in the treatment of amoebic dysentery, diarrhoea and other stomach disrders.
4	Saraca Asoka	Sita Ashok	6	The bark of Ashoka Tree is used for its medicinal value and it is reported to have a stimulating effect on the endometrium and ovarian tissue.
5	Cassia Fistula	Bahava	12	It is used medicinally for treating constipation, common cold, chlorosis and urinary disorders.Its leaves are effective against herpes simplex and the bark of Cassia is one of the ingredients in ayurvedic and other traditional medicine antidiabetic formulations.
6	Plumeria Rubra	Red Champa	7	The plant is used for ornamental purpose. Its generally kep indoor in living room and in terrace area.
7	Plumeria Alba	White Champa	6	It is used in the treatment of blennorrhagia, herpes and syphilis[348]. The root bark is used externally as a lotion on syphilitic ulcers.

8	Lagerstromia Regiena	Taman	14	In Vietnam the plant's young leaves are consumed as vegetables, and its old leaves and mature fruit are used in traditional medicine for reducing glucose in blood.
9	Erythrina Variegata	Pangara	17	Its bark and leaves are used in alternative medicine.
10	Dalbergia Sissoo	Sissoo	9	After teak, it is the most important cultivated timber tree, The tree is useful as a shade tree for tea plantations.
11	Alstonia Scholaris	Satvin	15	It is suitable in nature and the tree grows rapidly and is easy to cultivate.
12	Butea Monosperma	Palas	10	It is used for timber, fodder and medicine. The wood is dirty white and soft and, being durable under water, is used for well-curbs and water scoops. Good charcoal can be obtained from it. The leaves are usually very leathery and not eaten by cattle.
13	Cordia Dichtoma	Bokar	14	This has medicinal properties. It is often cultivated for its fruits throughout the range of its natural distribution.
14	Azadirachta Indica	Kadu limb	15	This is noted for its drought resistance. Normally it thrives in areas with sub-arid to sub-humid conditions. It is a typical tropical to subtropical tree and exists at annual mean temperatures between 21–32 °C (70–90 °F). It can tolerate high to very high temperatures.
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	Maharashtra State Electricity Board
	During Construction Phase: (Demand Load)	50 kW
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	2991 kW
	During Operation phase (Demand load):	887 kW
	Transformer:	630 KVA, 1 no.
	DG set as Power back-up during operation phase:	Existing 180 KVA DG set shall be used.
	Fuel used:	High speed diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

1. Flat lighting on LED
2. Common area lighting on LED
3. External lighting on LED
4. Lower and upper floor parking with CFL
5. Use of VFD for lifts
6. Solar water heaters
7. Solar net metering

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Flat lighting on LED	41
2	Common area lighting on LED	41
3	External lighting on LED	41
4	Lower and upper floor parking with CFL	41
5	Use of VFD for lifts	20
6	Solar water heaters	51
7	Solar net metering	100

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 2100000/-
	O & M cost:	Rs. 100000/-

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air environment	Water sprinkling	0.75
2	Socio-economic environment	Safety measures and first aid facilities	0.5
3	Water environment	Toilets and sanitary facilities	1.75

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Water environment	STP	17.5	4.5
2	Water conservation	Rainwater harvesting pits	2.5	0.25
3	Consumption of renewable energy	Solar water heaters	15	0.5
4	Consumption of renewable energy	Solar PV panels	9.0	0.4
5	Solid waste management	Organic waste converter	6.0	1.8
6	Green belt development	Landscaping	5.0	0.5

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Entry and exit; minimum 6 m wide internal road and turning radius 7.5 m

Parking details:	**Number and area of basement:**	Total 8 nos. (basement and upper basement of each building A,B,C,D). Total area:
	Number and area of podia:	NA
	Total Parking area:	5540.4 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:	432
	Number of 4-Wheelers as approved by competent authority:	346
	Public Transport:	PMPML buses, Auto, Taxi etc.
	Width of all Internal roads (m):	At least 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) Category B
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	29-01-2018

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for Kumar Peninsula, Pashan, Pune at S. No.135 by Kumar Company.

PP submitted their application for Environmental clearance for total plot area of 13434.88 Sq. Mtrs, BUA of 43854.12 Sq. Mtrs and FSI area of 18739.63 Sq. Mtrs. PP proposes to construct 4 no. residential building.

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

DECISION OF SEAC

During discussion PP stated that work/construction of building A & B was completed as per available plot potential and for the same & got Commencement Certificate vide dated 25 Nov 2013.

Refer to SEIAA for clarification of violation.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

SEAC-III decided to refer the proposal to SEIAA/Environment Department for verification of above mentioned violation.

Agenda of 68 th SEAC-3 Meeting (Day-3)

SEAC Meeting number: 68 **Meeting Date** August 25, 2018

Subject: Environment Clearance for Construction Project

Is a Violation Case: No

1.Name of Project	MANTRA MOMENT
2.Type of institution	Private
3.Name of Project Proponent	Mr. Vishal Gupta (Partner) / Mr. Rajan Gupta/ Mr. Rohit Gupta
4.Name of Consultant	Ultra-Tech
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	Amendment
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	G. No. 167 + 168
9.Taluka	Haveli
10.Village	Moshi
Correspondence Name:	T4/T5, 3rd floor, Metropole Building, Next to INOX Theatre, Bund Garden Road, Pune,
Room Number:	--
Floor:	3rd floor
Building Name:	Metropole Building
Road/Street Name:	Bund Garden Road
Locality:	Pune
City:	Pune
11.Area of the project	PCMC
12.IOD/IOA/Concession/Plan Approval Number	--
	IOD/IOA/Concession/Plan Approval Number: Plans sanctioned by Collector, Pune vide N.A order No. NA/SR/1102/12
	Approved Built-up Area: 102997.11
13.Note on the initiated work (If applicable)	Work has been initiated as per earlier EC letter SEAC-2013/CR-168/TC-2 dated 16.03.2015
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	45900.00
16.Deductions	16800.46
17.Net Plot area	29099.54
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 48,959.57
	b) Non FSI area (sq. m.): 54,037.54
	c) Total BUA area (sq. m.): 102997.11
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	9166.30 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	35%
21.Estimated cost of the project	160.42

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A	3P+12	44.20
2	B	P+12	38.10
3	C	P+13	40.70
4	D	P+14	43.89
5	E	3P+12	44.06
6	F	P+14	43.90
7	G	G1+G2 (3P+12)	44.20
8	H	3P+!2	44.20
9	I	P+12	38.11
10	Commercial-SP1	G	6.50
11	Commercial -SP2	G	6.50
12	Commercial-SP3	G	6.50
13	Commercial-SP4	G	6.50
14	Club House	G+1	7.90

23.Number of tenants and shops	No. of Tenements :- 1136 Shops :50
24.Number of expected residents / users	Residential: 5680 Nos. Commercial: 150
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)	Nearest Fire Station Bhosri & Width of the road from the nearest fire station to the proposed building 30m. 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 m.
29.Existing structure (s) if any	Work has been initiated as per earlier EC dtd. 16.03.2015. Building B& C completed Building D,E,F RCC & brick work completed Building I – RCC work completed. SP1 to SP4 - completed
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	PCMC
	Fresh water (CMD):	514
	Recycled water - Flushing (CMD):	260
	Recycled water - Gardening (CMD):	17
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	791
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	150
	Excess treated water	394
Wet season:	**Source of water**	PCMC
	Fresh water (CMD):	514
	Recycled water - Flushing (CMD):	260
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	774
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	150
	Excess treated water	411
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	0	514	514	0	103	103	0	411	411
Domestic	0	260	260	0	0	0	0	260	260
Gardening	0	17	17	0	0	0	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	--
	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 :	5.00mt X 2.00 mt. X 1.75mt
	Budgetary allocation (Capital cost) :	Rs. 4.09 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 0.67 Lakhs/annum
	Details of UGT tanks if any :	• Domestic UG tank Capacity (CMD):767 • Flushing UG tank Capacity(CMD): 256 • Fire fighting (CMD): 300
35.Storm water drainage	**Natural water drainage pattern:**	Sloping from NE to SW
	Quantity of storm water:	0.31 m3/Sec
	Size of SWD:	450 mm
Sewage and Waste water	**Sewage generation in KLD:**	671 KLD
	STP technology:	SMBR
	Capacity of STP (CMD):	2 Nos. -320 KLD I No. & 420 Kld 1 No.
	Location & area of the STP:	Near A1 and A2 building
	Budgetary allocation (Capital cost):	Rs. 63.46 Lakhs
	Budgetary allocation (O & M cost):	Rs. 14.7 Lakhs/annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	37 Kg/Day
	Disposal of the construction waste debris:	• Cutting = 15262 m3, filling =13736m3. • Quantity of the debris: 3052 m3 to be used on site for filling
Waste generation in the operation Phase:	**Dry waste:**	1159 kg/d
	Wet waste:	1719 kg/d
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	100 kg/day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Handed over to Authorized recycler
	Wet waste:	teated in OWC
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	used as manure for gardening
	Others if any:	NA
Area requirement:	**Location(s):**	near STP
	Area for the storage of waste & other material:	96 m2
	Area for machinery:	96 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 45.75 Lakhs
	O & M cost:	Rs. 10.03 Lakhs/annum

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	attached to DG set	Diesel	1	5m above ground levelNot applicable	0.3	NA

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel	Diesel	Diesel	Not applicable
41.Source of Fuel		from Authorized vendor		

42.Mode of Transportation of fuel to site	by road

43.Green Belt Development	**Total RG area :**	3361.25 m2
	No of trees to be cut :	NA
	Number of trees to be planted :	382
	List of proposed native trees :	382
	Timeline for completion of plantation :	within 1-2 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	Syzygium cumin	Jambul	35	An evergreen tropical tree in the flowering plant
2	Cassia grandis	Pink shower	43	Ornamental & medicinal plant
3	Michelia champaca	Champa	28	Evergreen timber plant, ornamental,
4	Ficus benjamina	Weeping fig	54	Evergreen and Birds attracting tree.
5	Khoya senegalensis	African Mohgani	8	Evergreen timber yielding tree
6	Mimusoaps elengii	Bakul	27	Evergreen tree, timber yielding and medicinal plant
7	Roystonia regia	Palm	47	Nitrogen fixer, ornamental plant
8	Butea monosperma	Flame tree	27	It is a medium sized dry season-deciduous tree
9	Ficus racemosa	Cluster fig	09	Evergreen or deciduous tree
10	Neolamarckia cadamba	Kadamb	20	Evergreen ornamental & religious plant
11	Erythrina subrosa	Pangara	44	Medium sized throny tree .The tree is a captivating sight when in bloom, with clusters of bright, orange-scarlet up-facing flower
12	Saraca indica	Sita ashok	40	Evergreen medicinal 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)	as per requirment
	DG set as Power back-up during construction phase	100 KVA
	During Operation phase (Connected load):	4909.10 KW
	During Operation phase (Demand load):	2454.55 KW
	Transformer:	5 Nos. of 630 KVA
	DG set as Power back-up during operation phase:	3 Nos. 1 x 320 kVA + 1 x 200 kVA & 1 x 125 kVA
	Fuel used:	Disel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

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

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	olar PV Panels : 0 KWH / Anum • Using LED Fittings for Street Lighting, Common Passages, Parkings & Landscape Lights: 48,645 KWH / Anum • Solar Water Heater : 18,47,286 KWH / Anum • Total : 18,95,930 KWH / Anum	8.10 %

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Waste water treatment	2 Nos. STP	1 STP implemented & 1 Proposed
Solid waste	OWC	1 No. OWC

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 61 Lakhs
	O & M cost:	Rs. 1.5 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 Envt.	water for dust supression	1.56
2	Water Envt.	tanker for construction	1.56
3	Land Envt.	site sanitation	5.44
4	Biological Envt.	Gardening	19.96
5	Socio Economic	Pest control,first aid facilitis, health check up, PPE	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	STP	2 Nos. -STPs	63.46	14.7
2	OWC	1 No.	45.75	10.03
3	Energy	--	61.00	1.5
4	Landscape	Landscape	1.04	0.4
5	Rain water Harvesting	8 Nos. of RWH pits	4.09	0.67

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:**	NA
	Number and area of podia:	NA
	Total Parking area:	18827.86 m2.
	Area per car:	12 m
	Area per car:	12 m
	Number of 2-Wheelers as approved by competent authority:	2400
	Number of 4-Wheelers as approved by competent authority:	610
	Public Transport:	NA
	Width of all Internal roads (m):	6m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8a (B2)
	Court cases pending if any	NA
	Other Relevant Informations	We have received earlier EC for the same with letter No.SEAC-2013/CR-168/TC-2 dated 16.03.2015. Accordingly work has been initiated, now seeking for the amendment.
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for Construction Project at G. No. 167 + 168 by Mr. Vishal Gupta (Partner) / Mr. Rajan Gupta/ Mr. Rohit Gupta.

PP submitted their application for prior Environmental clearance fortotal plot area of 45900Sq. Mtrs, BUA of102997.11Sq. Mtrs and FSI area of 48959.57Sq. Mtrs.PP proposes to construct 9 nos. residential building and 4 nos. commercial building + 1 club house.

DECISION OF SEAC

PP remains absent.*SEAC decided to defer the proposal.*

Specific Conditions by SEAC:

FINAL RECOMMENDATION

SEAC-III decided to defer the proposal till PP submits the additional information as per above conditions within 30 days

SEAC Meeting number: 68 **Meeting Date** August 25, 2018

Subject: Environment Clearance for Proposed Residential Project

Is a Violation Case: No

1.Name of Project	Proposed Residential Project
2.Type of institution	Private
3.Name of Project Proponent	Mrs. Swati Sachin Khinvasara
4.Name of Consultant	Pollution & Ecology Control Services Near Dhantoli Police Station, Dhantoli, Nagpur
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Gat No. 1539 (P) + 1541 (P)
9.Taluka	Shirur
10.Village	Saradwadi
Correspondence Name:	187/188 Near Bhavkar Garage Lane, Shivajinagar, Pune-05
Room Number:	187/188
Floor:	-
Building Name:	-
Road/Street Name:	Bhavkar Garage lane
Locality:	Shivajinagar
City:	Pune
11.Area of the project	Other Area
12.IOD/IOA/Concession/Plan Approval Number	In conformity with Development Control Rules
	IOD/IOA/Concession/Plan Approval Number: No
	Approved Built-up Area: 14817.35
13.Note on the initiated work (If applicable)	Building B constructed as per earlier sanction
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	No
15.Total Plot Area (sq. m.)	15200
16.Deductions	1501.65
17.Net Plot area	13698.35
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 14817.35
	b) Non FSI area (sq. m.): 7513.86
	c) Total BUA area (sq. m.): 22331.21
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	2990.7
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	0.22
21.Estimated cost of the project	375000000

22.Number of buildings & its configuration

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

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

23.Number of tenants and shops	No. of Tenents- 310 No of Shops- 7 No. of Offices- 44
24.Number of expected residents / users	Expected Residents- 1550 Expected users- 507
25.Tenant density per hectare	227
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	18 M
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Min 4.5 m
29.Existing structure (s) if any	Building B constructed as per previous sanction
30.Details of the demolition with disposal (If applicable)	Not Applicable

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	Grampanchayat Saradwadi
	Fresh water (CMD):	149.64
	Recycled water - Flushing (CMD):	82.43
	Recycled water - Gardening (CMD):	8.22
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	240.29
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	70
	Excess treated water	141.41
Wet season:	**Source of water**	Grampanchayat Saradwadi
	Fresh water (CMD):	149.64
	Recycled water - Flushing (CMD):	82.43
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	232.07
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	70
	Excess treated water	149.64
Details of Swimming pool (If any)	Not Applicable	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	12 Mtr
	Size and no of RWH tank(s) and Quantity:	1 No. of 70 Cum of Raw water tank
	Location of the RWH tank(s):	Raw water UGT
	Quantity of recharge pits:	12 Cum
	Size of recharge pits :	2 X 2 X 3
	Budgetary allocation (Capital cost) :	1.95
	Budgetary allocation (O & M cost) :	0.08
	Details of UGT tanks if any :	Residential UGT - 249 Cum Commercial UGT- 23 Cum
35.Storm water drainage	**Natural water drainage pattern:**	South to North
	Quantity of storm water:	6850 Cum
	Size of SWD:	450 mm to 600 mm
Sewage and Waste water	**Sewage generation in KLD:**	240.29
	STP technology:	MBBR
	Capacity of STP (CMD):	220 Cum- 1 no 24 Cum- 1 No
	Location & area of the STP:	As shown on Plan
	Budgetary allocation (Capital cost):	33.0
	Budgetary allocation (O & M cost):	3.63
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Dry waste- 3.5 Kg/D Wet Waste- 3.5 Kg/D
	Disposal of the construction waste debris:	The construction debris shall be disposed on site as far as possible in back filling, leveling, by preserving top soil for gardening and excess shall be disposed as per the directions from the authority
Waste generation in the operation Phase:	**Dry waste:**	360.7 Kg/D
	Wet waste:	490.35 Kg/D
	Hazardous waste:	Negligible
	Biomedical waste (If applicable):	Nil
	STP Sludge (Dry sludge):	21.96 Kg/D
	Others if any:	Nil

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

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

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

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Nyctanthes arbor-tristis	Parijatak	16	This Small tree has highly fragrant flowers those attract Bees and Butterflies, Fruits attract Birds.
2	Ochna obtusata	Kanak Champa	16	Native, this shrub has yellow fragrant flowers, Host plant for Butterflies.
3	Murraya paniculatum	Kamini/Kunti	16	Native to Western Ghats, this shrub has fragrant white flowers and dense foliage. It is a host plant for Butterflies.
4	Manilkara zapota	Chickoo	15	This small tree attracts Birds and Bees. Edible Fruit.
5	Citrus limon	Lemon	16	This Shrub is used in everyday Cooking and acts as a host plant for Butterflies.
6	Bauhinia racemosa	Apta	16	Native to Pune, this Shrub has a Religious importance
7	Mimusops elengi	Bakul	16	Native, Evergreen Foliage and Flowering tree has dense branching, hence good for Wind screening. Flowers are deeply fragrant and attracts birds and Bees.
8	Pongamia pinnata	Karanj	16	Native to Pune, this Deciduous White Flowering tree . Attracts Birds and Arboreal Mammals.
9	Lagerstroemia reginae	Tamhan	16	This Purple Flowering plant is the State flower of Maharashtra.
10	Cassia fistula	Bahava	15	This Flowering and Deciduous tree has beautiful Yellow chandeliers in Summers. Good perching site for Birds.
11	Erythrina variegata	Pangara	14	Native to Western Maharashtra, this Reddish-Orange Flowering and Deciduous tree attracts lot of Birds for the Nectar.
45.Total quantity of plants on ground				

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

Serial Number	Name	C/C Distance	Area m2

1	Not applicable	Not Applicable	Not Applicable

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	60
	DG set as Power back-up during construction phase	30
	During Operation phase (Connected load):	1291.35
	During Operation phase (Demand load):	1054.21
	Transformer:	630 KVA- 1 No. 315 KVA- 1 No.
	DG set as Power back-up during operation phase:	125 KVA- 1 No. 30 KVA- 1 No
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	No

48.Energy saving by non-conventional method:

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

49.Detail calculations & % of saving:

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

50.Details of pollution control Systems

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

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

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

b) Operation Phase (with Break-up):

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

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

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

52.Any Other Information

No Information Available

53.Traffic Management

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

Parking details:	**Number and area of basement:**	0
	Number and area of podia:	0
	Total Parking area:	4556.8
	Area per car:	30
	Area per car:	30
	Number of 2-Wheelers as approved by competent authority:	1444
	Number of 4-Wheelers as approved by competent authority:	92
	Public Transport:	Not Proposed in project
	Width of all Internal roads (m):	Min 4.5
	CRZ/ RRZ clearance obtain, if any:	NOT APPLICABLE
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NOT APPLICABLE
	Category as per schedule of EIA Notification sheet	8 (a)
	Court cases pending if any	No
	Other Relevant Informations	No
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for Proposed Residential Project at Gat No. 1539 (P) + 1541 (P) by Mrs. Swati Sachin Khinvasara.

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

DECISION OF SEAC

PP remains absent.

SEAC decided to defer the proposal.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

SEAC-III decided to defer the proposal till PP submits the additional information as per above conditions within 30 days