Agenda of 106th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 106 **Meeting Date** July 20, 2019

Subject: Environment Clearance for Proposed Expansion of Slum Rehabilitation Scheme (SRA) at C.S. No. 1(pt.) , 2(pt.) and 3(pt.) of Lower Parel Division in G/South Ward at G.B. Sakpal Marg and Babu Kamalakant Singh Marg, Dhobighat, Satrasta, Mumbai-400011 for Shree Saibaba Nagar CHS (Prop.) & other 8 Societies by M/s. Omkar Realtors Projects Pvt. Ltd.

Is a Violation Case: No

1.Name of Project	Proposed Expansion of Slum Rehabilitation Scheme (SRA) at C.S. No. 1(pt.) , 2(pt.) and 3(pt.) of Lower Parel Division in G/South Ward at G.B. Sakpal Marg and Babu Kamalakant Singh Marg, Dhobighat, Satrasta, Mumbai-400011 for Shree Saibaba Nagar CHS (Prop.) & other 8 Societies by M/s. Omkar Realtors Projects Pvt. Ltd.
2.Type of institution	TOR
3.Name of Project Proponent	M/s Omkar Realtors Projects Pvt Ltd.
4.Name of Consultant	Building Environment India (Pvt.) Ltd.
5.Type of project	SRA scheme
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 9th August, 2017
8.Location of the project	Proposed Expansion of Slum Rehabilitation Scheme (SRA) at C.S. No. 1(pt.) , 2(pt.) and 3(pt.) of Lower Parel Division in G/South Ward at G.B. Sakpal Marg and Babu Kamalakant Singh Marg, Dhobighat, Satrasta, Mumbai-400011 for Shree Saibaba Nagar CHS (Prop.) & other 8 Societies by M/s. Omkar Realtors Projects Pvt. Ltd.
9.Taluka	Mumbai
10.Village	Dhobighat
Correspondence Name:	M/s Omkar Realtors Projects Pvt Ltd
Room Number:	NA
Floor:	6th Floor
Building Name:	Omkar House
Road/Street Name:	Opp. Sion- Chunnabhatti Signal
Locality:	Off Eastern Express Highway
City:	Sion (E)-400022 Mumbai, Maharashtra
11.Whether in Corporation / Municipal / other area	Yes Municipal Corporation of Greater Mumbai
12.IOD/IOA/Concession/Plan Approval Number	Rehab Building No.1: u/no. SRA/ENG./3253/GS/ML/AP dated 05.02.2018 Rehab Building No.2: u/no. SRA/ENG./3810/GS/ML/AP dated 14.06.2018 Sale Building No.1: u/no. SRA/ENG./3809/GS/ML/AP dated 14.06.2018
	IOD/IOA/Concession/Plan Approval Number: Rehab Building No.1: u/no. SRA/ENG./3253/GS/ML/AP dated 05.02.2018 Rehab Building No.2: u/no. SRA/ENG./3810/GS/ML/AP dated 14.06.2018 Sale Building No.1: u/no. SRA/ENG./3809/GS/ML/AP dated 14.06.2018
	Approved Built-up Area: 163182.34
13.Note on the initiated work (If applicable)	Work has been initiated as per Prior Environmental clearance received dtd. 9th August, 2017
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Rehab Building No.1: u/no. SRA/ENG./3253/GS/ML/AP dated 05.02.2018 Rehab Building No.2: u/no. SRA/ENG./3810/GS/ML/AP dated 14.06.2018 Sale Building No.1: u/no. SRA/ENG./3809/GS/ML/AP dated 14.06.2018
15.Total Plot Area (sq. m.)	47593.57 Sq. mt.
16.Deductions	9836.73 Sq.mt.
17.Net Plot area	37756.84 Sq. mt.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 322840.9 Sq. mt.
	b) Non FSI area (sq. m.): 420203.61 Sq. mt.
	c) Total BUA area (sq. m.): 743044.51

18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 1,63,182.34
	Approved Non FSI area (sq. m.): 2,82,189.60
	Date of Approval: 14-06-2018
19.Total ground coverage (m2)	24102.94 Sq. mt.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	59.61%
21.Estimated cost of the project	37360000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Rehab Bldg. No. 1	Gr. + 42nd (Pt.) Upper Floors	125.05
2	Rehab Bldg. No. 2	GR + 32nd (Pt.) Floors	96.85
3	Reservation Building No. 1	Gr. + 6th upper Floors	27.75
4	Reservation Building No. 2	Gr. + 4th upper Floors	19.95
5	Tower 1 (South)	2 Lower Ground + Gr.+ 1st to 8th Podium + 9th & 9th A Amenity Floor+/Clubhouse 1st to 65th Upper Floor	246.40
6	Tower-2 (Central)	2 Lower Ground + Gr.+ 1st to 8th Podium + 9th & 9th A Amenity Floor/Clubhouse + 1st to 65th Upper Floor	246.80
7	Tower-3 (North)	2 Lower Ground + Gr.+ 1st to 8th Podium + 9th & 9th A Amenity Floor/Clubhouse + 1st to 66th Upper Floor	250.00
8	Sale Building No. 2	3 Basement + Gr. + 1st to 8th Part Podium & Part Residential Floor & 9th Part Amenity/Clubhouse & Part Residential Floor + 1st to 57th Upper Floors	211.65

23.Number of tenants and shops	Rehab Bldg. No. 1 Residential: 2973 nos. R/C: 26 nos. Commercial: 118 nos. Existing Amenities (Society office & Temple): 13 nos. BWS /Community Hall/ Additional Amenity units: 81 nos. Rehab Bldg. No. 2 Residential: 172 nos. Commercial: 01 no. Existing Amenities (Society office & Temple): 6 nos. BWS /Community Hall/ Additional Amenity units: 06 nos. Sale Building No. 1 (Tower 1, Tower 2 & Tower 3) Residential: 1236 nos. Sale Building No. 2: Residential: 708 nos.
24.Number of expected residents / users	Rehab: 16212 nos. Sale: 9720 Nos. Total: 25932 Nos.
25.Tenant density per hectare	858.39 tenants 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)	42.60 m wide Sane Guruji Road, 30.48 m wide Dr. E. Mosses Road, 18.30 m J.R. Boricha Marg & 12.20 m wide G.B. Sakpal Marg
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	7.5 m
29.Existing structure (s) if any	partly demolished slums
30.Details of the demolition with disposal (If applicable)	Existing slums partly demolished

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	M.C.G.M / RWH / STP Treated Sewage / Tanker (Swimming Pool makeup)
	Fresh water (CMD):	Rehab: 1437.66 Sale: 875 Total: 2312.66
	Recycled water - Flushing (CMD):	Rehab: 719 Sale: 437 Total:1156
	Recycled water - Gardening (CMD):	31
	Swimming pool make up (Cum):	Rehab: -- Sale: 46 Total: 46
	Total Water Requirement (CMD) :	Rehab: 2156 Sale: 1312 Total: 3499
	Fire fighting - Underground water tank(CMD):	Will be provided during EIA
	Fire fighting - Overhead water tank(CMD):	Will be provided during EIA
	Excess treated water	1789

Wet season:	**Source of water**	M.C.G.M / RWH / STP Treated Sewage / Tanker (Swimming Pool makeup)
	Fresh water (CMD):	Rehab: 1437.66 Sale: 875 Total: 2312.66
	Recycled water - Flushing (CMD):	Rehab: 719 Sale: 437 Total:1156
	Recycled water - Gardening (CMD):	--
	Swimming pool make up (Cum):	Rehab: -- Sale: 46 Total: 46
	Total Water Requirement (CMD) :	Rehab: 2156 Sale: 1312 Total: 3468
	Fire fighting - Underground water tank(CMD):	Will be provided during EIA
	Fire fighting - Overhead water tank(CMD):	Will be provided during EIA
	Excess treated water	1820
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:**	2 – 3 m below ground level
	Size and no of RWH tank(s) and Quantity:	Will be provided during EIA
	Location of the RWH tank(s):	Rehab: Below Ground Sale: Basement 2
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Will be provided during EIA
	Budgetary allocation (O & M cost) :	Will be provided during EIA
	Details of UGT tanks if any :	--

35.Storm water drainage	**Natural water drainage pattern:**	The arrangement for disposal of SW through and from the plot as per the remarks of SW department, MCGM
	Quantity of storm water:	Will be provided during EIA
	Size of SWD:	Will be provided during EIA
Sewage and Waste water	**Sewage generation in KLD:**	3006
	STP technology:	MBBR
	Capacity of STP (CMD):	Will be provided during EIA
	Location & area of the STP:	Will be provided during EIA
	Budgetary allocation (Capital cost):	Will be provided during EIA
	Budgetary allocation (O & M cost):	Will be provided during EIA

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Shall be done as per debris management plan
	Disposal of the construction waste debris:	Shall be done as per debris management plan
Waste generation in the operation Phase:	**Dry waste:**	Rehab Building: 3233 Kg/day, Sale Building: 1944 Kg/day
	Wet waste:	Rehab Building: 4783 Kg/day, Sale Building: 2916 Kg/day
	Hazardous waste:	Not quantified at this stage
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	30 kg/day
	Others if any:	NA
Mode of Disposal of waste:	**Dry waste:**	Shall be given to vendors
	Wet waste:	Shall be treated in OWC
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Shall be used as manure
	Others if any:	Shall be given to vendors
Area requirement:	**Location(s):**	Ground Level
	Area for the storage of waste & other material:	--
	Area for machinery:	Will be provided during EIA
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Will be provided during EIA
	O & M cost:	Will be provided during EIA

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- 3079.95 sq.m
	No of trees to be cut :	01
	Number of trees to be planted :	154
	List of proposed native trees :	Enclosed below
	Timeline for completion of plantation :	Till completion of project

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Pongamia pinnata	Karanj	16	Shady tree
2	Bauhinia racemosa	Apta	12	Small tree with small white flowers, butterfly host plant
3	Azadiracta indica	Neem	12	arge tree, good for roadside plantation

4	Anthocephallus cadamba	Kadamb	12	Shadt, large deciduous tree, fast growing graceful tree, ball shaped flowers
5	Cassia fistula	Bhava	08	Medium sized deciduous tree, beautiful yellow flowers, Butterfly host plant
6	Saraca asoka	Sita Ashoka	12	Shady tree with red yellow flowers
7	Mimusops elengi	Bakul	16	Shady tree, small white fragrant flowers
8	Michalia champaca	Son chapa	12	Medium sized evergreen tree, fragrant yellow flowers, butterfly host plant
9	Ficus retusa	Nandruk	12	Shady tree, good for roadside plantation
10	Butea monosperma	Palas	12	Medium sized deciduous tree. Beautiful orange flowers, Butterfly host plant
11	Albizia lebbeck	Shirish	12	Decidious 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	Kaner	10	--
2	White plumbago (Chitrak)	5	--
3	Kusar/Ran jai	8	--
4	Krushna kamal	10	--

47.Energy

Power requirement:	**Source of power supply :**	BEST
	During Construction Phase: (Demand Load)	100kVA
	DG set as Power back-up during construction phase	Will be provided during EIA
	During Operation phase (Connected load):	Will be provided during EIA
	During Operation phase (Demand load):	Will be provided during EIA
	Transformer:	--
	DG set as Power back-up during operation phase:	Will be provided during EIA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

External lighting will be provided on solar

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Rehab & Sale Building	Will be provided during EIA

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Water	Not applicable	STP
Soil and Land	Not applicable	OWC

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Will be provided during EIA
	O & M cost:	Will be provided during EIA

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 System	Will be provided during EIA
2	Water Environment	Water for construction works and mobile toilets.	Will be provided during EIA
3	Noise Environment	Site Barricading	Will be provided during EIA
4	Land environment	Mobile STP	Will be provided during EIA
5	Socio- economic environment	Disinfection- pest control	Will be provided during EIA
6	Socio- economic environment	first aid facilities	Will be provided during EIA
7	Socio- economic environment	Health check up	Will be provided during EIA
8	Socio- economic environment	Personal protective equipment	Will be provided during EIA
9	Socio- economic environment	Personal protective equipment	Will be provided during EIA
10	External infrastructure	Laydown of sewerline upto municipal existing sewerline	Will be provided during EIA
11	--	--	--

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	RWH	Rehab & Sale Building	Will be provided during EIA	Will be provided during EIA
2	OWC	Rehab & Sale Building	Will be provided during EIA	Will be provided during EIA
3	STP	Rehab & Sale Building	Will be provided during EIA	Will be provided during EIA
4	Energy	Rehab & Sale Building	Will be provided during EIA	Will be provided during EIA

5	Landscaping	Rehab & Sale Building	Will be provided during EIA	Will be provided during EIA

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:	42.60 m wide Sane Guruji Road, 30.48 m wide Dr. E. Mosses Road, 18.30 m J.R. Boricha Marg & 12.20 m wide G.B.Sakpal Marg
Parking details:	**Number and area of basement:**	Sale bldg. 1 (Tower 1, 2 & 3): 2 nos. Lower Ground and area = 20784.88 sq.mt.; Sale bldg. 2: 3 nos. Basement and area = 17279.13 sq.mt.
	Number and area of podia:	Sale bldg. 1 (Tower 1, 2 & 3): 9 nos. podium = 122118.27 sq.mt.; Sale bldg. 2: 9 nos. podium = 25187.68 sq.mt.
	Total Parking area:	Rehab Building: 419 Nos.; Sale Building no. 1 (Tower 1, 2 & 3): 2128 Nos.; Sale Building no. 2: 885 Nos.
	Area per car:	Basement: 32 m2 Podium: 28 m2
	Area per car:	Basement: 32 m2 Podium: 28 m2
	Number of 2-Wheelers as approved by competent authority:	Nil
	Number of 4-Wheelers as approved by competent authority:	Rehab Building: 419 Nos.; Sale Building no. 1 (Tower 1, 2 & 3): 2128 Nos.; Sale Building no. 2: 885 Nos.
	Public Transport:	NA
	Width of all Internal roads (m):	Min 6m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8 b B

	Court cases pending if any	There are no court cases pending with respect to environmental compliance.
	Other Relevant Informations	The details provided are as per the full potential of the project anticipating the future expansions.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	24-10-2017

TOR Suggested Changes

Consolidated Statement Point Number	Original Remarks	Submitted Changes
Subject:	Environment Clearance for Proposed amalgamated Slum Rehabilitation Scheme on plot bearing C.S. No. 1(pt),2(pt) & 3(pt) of lower parel Division, in G/South ward at G.B. Sakpal Marg and Sane Guruji Road, Dhobighat, Satrasta,Mumbai 400011 for "Shree Sai Baba Nagar SRA Co-op. Hsg. Soc. (Prop.) & other 7 societies. by M/s. Omkar Realtors Projects Pvt Ltd.	Proposed Expansion of Slum Rehabilitation Scheme (SRA) at C.S. No. 1(pt.), 2(pt.) and 3(pt.) of Lower Parel Division in G/South Ward at G.B. Sakpal Marg and Babu Kamalakant Singh Marg, Dhobighat, Satrasta, Mumbai-400011 for Shree Saibaba Nagar CHS (Prop.) & other 7 Societies by M/s. Omkar Realtors Projects Pvt Ltd.
1.Name of Project	Proposed amalgamated Slum Rehabilitation Scheme on plot bearing C.S. No. 1(pt), 2(pt) & 3(pt) of lower parel Division, in G/South ward at G.B. Sakpal Marg and Sane Guruji Road, Dhobighat, Satrasta, Mumbai 400011 for "Shree Sai Baba Nagar SRA Co-op. Hsg. Soc. (Prop.) & other 7 societies. by M/s. Omkar Realtors Projects Pvt Ltd.	Proposed Expansion of Slum Rehabilitation Scheme (SRA) at C.S. No. 1(pt.), 2(pt.) and 3(pt.) of Lower Parel Division in G/South Ward at G.B. Sakpal Marg and Babu Kamalakant Singh Marg, Dhobighat, Satrasta, Mumbai-400011 for Shree Saibaba Nagar CHS (Prop.) & other 7 Societies by M/s. Omkar Realtors Projects Pvt Ltd.
2.Type of institution	ToR	Private
6.New project/ expansion in existing project/modernization/ diversification in existing project	Amendment in approved Terms of Reference	Expansion
11.Area of the project	Municipal Corporation of Greater Mumbai	42,542.79
12.IOD/ IOA/ Concession/ Plan Approval Number	Rehab Building No.1: u/no. SRA/ENG./3253/GS/ML/AP dated 05.02.2018 Rehab Building No.2: u/no. SRA/ENG./3810/GS/ML/AP dated 14.06.2018 Sale Building No.1: u/no. SRA/ENG./3809/GS/ML/AP dated 104.06.2018 IOD/IOA/Concession/Plan Approval Number: Rehab Building No.1: u/no. SRA/ENG./3253/GS/ML/AP dated 05.02.2018 Rehab Building No.2: u/no. SRA/ENG./3810/GS/ML/AP dated 14.06.2018 Sale Building No.1: u/no. SRA/ENG./3809/GS/ML/AP dated 104.06.2018 Approved Built-up Area: 163182.34	SRA/ENG/2800/GS/ML/LOI dtd. 25.01.2018 Approved Built-up Area: 163182.34
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Rehab Building No.1: u/no. SRA/ENG./3253/GS/ML/AP dated 05.02.2018 Rehab Building No.2: u/no. SRA/ENG./3810/GS/ML/AP dated 14.06.2018 Sale Building No.1: u/no. SRA/ENG./3809/GS/ML/AP dated 104.06.2018	SRA/ENG/2800/GS/ML/LOI dtd. 25.01.2018

16.Deductions	--	14,993.80
17.Net Plot area	--	27,548.99
18.(a) Proposed Built-up Area (FSI & Non-FSI)	FSI area (sq. m.): Non FSI area (sq. m.): Total BUA area (sq. m.):	FSI area (sq. m.): 1,63,182.34 Non FSI area (sq. m.): 2,82,189.60 Total BUA area (sq. m.): 4,45,371.94
18 (b). Approved Built up area as per DCR	Approved FSI area (sq. m.): -- Approved Non FSI area (sq. m.): -- Date of Approval: --	Approved FSI area (sq. m.): 1,63,182.34 Approved Non FSI area (sq. m.): 2,82,189.60 Date of Approval: 25.01.2018
19.Total ground coverage (m2)	27680.14	15516.90
26.Height of the building(s)	--	Rehab Bldg. No. 1:123.10 m Rehab Bldg. No. 2: 93.95 m Tower 1 (South): 247.40 m Tower-2 (Central): 178.35 m Tower-3 (North):39.60 m
29.Existing structure (s) if any	Nil	Partly slum area
30.Details of the demolition with disposal (If applicable)	--	Existing slums partly demolished
32. Total Water Requirement	--	--
Dry season	--	--
Source of water	M.C.G.M	M.C.G.M / STP Treated Sewage / Tanker (Swimming Pool makeup)
Fresh water (CMD):	1564.00	Rehab: 1193 Sale: 298 Total:1491
Recycled water - Flushing (CMD):	795.00	Rehab: 628 Sale: 153 Total:781
Recycled water - Gardening (CMD):	289.00	Rehab: 39 Sale: 8 Total:47
Swimming pool make up (Cum):	--	Rehab: -- Sale: 46 Total: 46
Total Water Requirement (CMD):	2648.00	Rehab: 1860 Sale: 505 Total:2365
Firefighting - Underground water tank (CMD)	--	Rehab 1: 2x200; Rehab 2: 200; Sale:200
Firefighting - Overhead water Tank (CMD)	--	Rehab 1: 1x20; 1x30; Rehab 2: 10; Sale:10
Excess treated water	872.00	Rehab: 872 Sale: 191 Total:1063
Wet season	--	--
Source of water	M.C.G.M	M.C.G.M / RWH / STP Treated Sewage / Tanker (Swimming Pool makeup)
Fresh water (CMD):	1564.00	Rehab: 1193 Sale: 298 Total:1491
Recycled water - Flushing (CMD):	795.00	Rehab: 628 Sale: 153 Total:781
Recycled water - Gardening (CMD):	--	--
Swimming pool make up (Cum):	--	Rehab: -- Sale: 46 Total: 46
Total Water Requirement (CMD):	2359.00	Rehab: 1821 Sale: 497 Total:2318

Firefighting - Underground water tank (CMD)	--	Rehab 1: 2x200; Rehab 2: 200; Sale:200
Firefighting - Overhead water Tank (CMD)	--	Rehab 1: 1x20; 1x30; Rehab 2: 10; Sale:10
Excess treated water	1161.00	Rehab: 910 Sale: 200; Total:1110
34. Rain Water Harvesting (RWH)	--	--
Level of the Ground water table:	2 – 3 m below ground level	2 – 3 m below ground level
Size and no of RWH tank(s) and Quantity:	Rehab Building no. 1: 1 no. of RWH Tanks of total capacity 171 cum Rehab Building no. 2: 1 no. of RWH Tank of capacity 69 cum Sale Building no. 1: Tower 1: 1 no. of RWH Tanks of capacity 130 cum Tower 2: 1 no. of RWH Tanks of capacity 105 cum Tower 3: 1 no. of RWH Tanks of capacity 121 cum	Rehab Building no. 1: 1 no. of RWH Tanks of total capacity 171 cum Rehab Building no. 2: 1 no. of RWH Tank of capacity 69 cum Sale Building no. 1: Tower 1: 1 no. of RWH Tanks of capacity 135 cum Tower 2: 1 no. of RWH Tanks of capacity 117 cum Tower 3: 1 no. of RWH Tanks of capacity 135 cum
36. Sewage and Waste water	--	--
Sewage generation in KLD	Rehab Building no. 1: 1345 KLD Rehab Building no. 2: 356 KLD Sale Building no. 1 (Tower 1, 2 & 3): 455 KLD	Rehab Building no. 1: 1345 KLD Rehab Building no. 2: 356 KLD Sale Building no. 1 (Tower 1, 2 & 3): 391 KLD
STP technology	MBBR	MBBR
No. and Capacity of STP	Rehab Building no. 1: 1 STP of capacity 1350 KLD Rehab Building no. 2:1 STP of capacity 360 KLD Sale Building no. 1 (Tower 1, 2 & 3): 1 STP of capacity 464 KLD	Rehab Building no. 1: 1 STP of capacity 1350 KLD Rehab Building no. 2: 1 STP of capacity 360 KLD Sale Building no. 1 (Tower 1, 2 & 3): 1 STP of capacity 400 KLD
37.Solid waste Management	--	--
Waste generation in the Pre-Construction and Construction phase:	--	--
Waste generation:	Shall be done as per debris management plan	About 76577 cum of excavated materials will be generated. The project is a Slum Rehabilitation Scheme. Currently the land is partly covered by slum hutments. Large quantity of waste will be generated from the demolition activity. The total area to be demolished around 36,911.47 sq.mt.
Disposal of the construction waste debris:	Shall be done as per debris management plan	The areas has been designated for the temporary storage and after maximum utilization on site, remaining waste will be disposed as per C & D Waste Management Rule, 2016.
Waste generation in the operation Phase:	--	--
Dry waste	Rehab Building no. 1: 2042 Kg/day Rehab Building no. 2: 498 Kg/day Sale Building no. 1 (Tower 1, 2 & 3): 673 Kg/day	Rehab Building no. 1: 2042 Kg/day Rehab Building no. 2: 498 Kg/day Sale Building no. 1 (Tower 1, 2 & 3): 673 Kg/day
Wet waste	Rehab Building no. 1: 3063 Kg/day Rehab Building no. 2: 747 Kg/day Sale Building no. 1 (Tower 1, 2 & 3): 1011 Kg/day	Rehab Building no. 1: 3063 Kg/day Rehab Building no. 2: 747 Kg/day Sale Building no. 1 (Tower 1, 2 & 3): 1011 Kg/day
Hazardous waste	NA	Not quantified at this stage

Biomedical waste (If applicable)	NA	--
STP Sludge	113 Kg/day	Rehab: 113 Kg/day Sale: 40 Kg/day
Others if any	--	--
Mode of Disposal of waste:	--	--
Dry waste	Shall be given to vendors	Shall be given to vendors
Wet waste	Shall be treated in OWC	Shall be treated in OWC
Hazardous waste	NA	NA
Biomedical waste (If applicable)	NA	NA
STP Sludge	Shall be used as manure	Shall be used as manure
Others if any	NA	Shall be given to vendors
Area requirement:	--	--
Location (s)	Rehab Building no. 1: Ground Rehab Building no. 2: Ground Sale Building no. 1 (Tower 1, 2 & 3): Ground	Rehab Building no. 1: Ground Rehab Building no. 2: Ground Sale Building no. 1 (Tower 1, 2 & 3): Ground
Area for the storage of waste & other material	--	--
Area for machinery	--	Rehab: 100 sq.m Sale: 100 sq.m
44. Green Belt Development	--	--
Total RG area	RG on ground- 3449.29 sq.m. DP RG:2458.38 sq.m.	RG on ground- 3449.29 sq.m. DP RG:2458.38 sq.m.
No of trees to be cut	07	01
Number of new trees to be planted:	172	172
List of proposed native trees:	Enclosed below	Enclosed below
Timeline for completion of plantation	Till completion of project	Till completion of project
48.Energy	--	--
Power requirement	--	--
Source of power supply:	BEST	BEST
During Construction Phase: (Demand Load)	100kVA	100kVA
DG set as Power back-up during construction phase	--	3x350 kVA
During Operation phase (Connected load):	Rehab: 17794 KW Sale Building no. 1 (Tower 1, 2 & 3): 49841 KW	Rehab: 17794 KW Sale Building no. 1 (Tower 1, 2 & 3): 31695 KW
During Operation phase (Demand load):	Rehab: 9436 KW Sale Building no. 1 (Tower 1, 2 & 3): 10282 KW	Rehab: 9436 KW Sale Building no. 1 (Tower 1, 2 & 3): 10282 KW
Transformer:	--	--
DG set as Power back-up during operation phase	Rehab Building no. 1: 1*1250 kVA Rehab Building no. 2: 1*500 kVA Sale Building no. 1 (Tower 1, 2 & 3): 3x2000 kVA each	Rehab Building no. 1: 1*1250 kVA Rehab Building no. 2: 1*500 kVA Sale Building no. 1 (Tower 1, 2 & 3): Tower 1: 1*2500 kVA Tower 2: 1*2500 kVA Tower 3: 1*2000 kVA

Fuel used:	HSD	HSD
Details of high-tension line passing through the plot if any:	NA	NA
49.Energy saving by non-conventional method:	--	External lighting will be provided on solar
50.Detail calculations & % of saving:	--	--
Energy Conservation Measures	--	By using LED Light In Common Area VFD For Lifts Highly efficient pump for Plumbing and STP Pumps External Lighting will be on Solar lighting system In Residential area Using combination of T5 along with BEE rated 3 Star equipments like Fan, AC, Geyser & other equipment. (Over all Savings)
Saving %	Rehab Building no. 1: 5% Rehab Building no. 2: 10% Sale Building no. 1 (Tower 1, 2 & 3): 12.2%	Rehab Building no. 1: 5% Rehab Building no. 2: 10% Sale Building no. 1 (Tower 1, 2 & 3): 0.5%
51.Details of pollution control Systems	--	--
Existing pollution control system	--	--
Source: Water	--	--
Sources : Soil & Land	--	--
Proposed to be installed	--	--
Source: Water	--	STP
Sources : Soil & Land	--	OWC
52.Environmental Management plan Budgetary Allocation	--	--
b) Operation Phase (with Break-up):	--	--
3 RWH Tanks	Capital cost Rs. in Lacs :R-1: 35, R-2: 14, S-1: 20; Operational and Maintenance cost (Rs. in Lacs/yr): R-1: 3.5, R-2: 1.4, S-1:0.2	Capital cost Rs. in Lacs :R-1: 35, R-2: 14, S-1: 20; Operational and Maintenance cost (Rs. in Lacs/yr): R-1: 3.5, R-2: 1.4, S-1:0.2
3 OWC	Capital cost Rs. in Lacs :R-1: 100, R-2: 30, S-1: 60; Operational and Maintenance cost (Rs. in Lacs/yr): R-1: 10, R-2: 3, S-1:6	Capital cost Rs. in Lacs :R-1: 100, R-2: 30, S-1: 60; Operational and Maintenance cost (Rs. in Lacs/yr): R-1: 10, R-2: 3, S-1:6
3 STP	Capital cost Rs. in Lacs :R-1: 1000, R-2: 300, S-1: 600; Operational and Maintenance cost (Rs. in Lacs/yr): R-1: 100, R-2: 30, S-1:60	Capital cost Rs. in Lacs :R-1: 1000, R-2: 300, S-1: 600; Operational and Maintenance cost (Rs. in Lacs/yr): R-1: 100, R-2: 30, S-1:60
Energy	Capital cost Rs. in Lacs :R-1: 110, R-2: 0.6, S-1: 0.8; Operational and Maintenance cost (Rs. in Lacs/yr): R-1: 1.10, R-2: 1.4, S-1:0.2	Capital cost Rs. in Lacs :R-1: 110, R-2: 0.6, S-1: 0.8; Operational and Maintenance cost (Rs. in Lacs/yr): R-1: 1.10, R-2: 1.4, S-1:0.2
Total	Capital cost Rs. in Lacs :R-1: 1245, R-2: 404, S-1: 760; Operational and Maintenance cost (Rs. in Lacs/yr): R-1: 114.6, R-2: 35, S-1:68.80	Capital cost Rs. in Lacs :R-1: 1245, R-2: 404, S-1: 760; Operational and Maintenance cost (Rs. in Lacs/yr): R-1: 114.6, R-2: 35, S-1:68.80
Landscaping	Capital cost Rs. in Lacs: 55.00; Operational and Maintenance cost (Rs. in Lacs/yr):10.89	Capital cost Rs. in Lacs: 55.00; Operational and Maintenance cost (Rs. in Lacs/yr):10.89
Total	Capital cost Rs. in Lacs: 2464; Operational and Maintenance cost (Rs. in Lacs/yr): 229.29	Capital cost Rs. in Lacs: 2464; Operational and Maintenance cost (Rs. in Lacs/yr): 229.29

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

PP was present during the meeting along with environmental consultant M/s. Building Environment India (Pvt.) Ltd.

PP informed that, the project under consideration is proposed expansion SRA scheme project. PP further stated that, the total plot area of the project is As per earlier EC, Total plot area: 47593.57 Sq.mt. Sq.mt having total construction area 743044.51 Sq. mt. (FSI - 322840.9 Sq.mt + NON FSI- 420203.61 Sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Rehab Bldg. No. 1	Gr. + 42nd (Pt.) Upper Floors	125.05
Rehab Bldg. No. 2	GR + 32nd (Pt.) Floors	96.85
Reservation Building No. 1	Gr. + 6th upper Floors	27.75
Reservation Building No. 2	Gr. + 4th upper Floors	19.95
Tower 1 (South)	2 Lower Ground + Gr.+ 1st to 8th Podium + 9th & 9th A Amenity Floor+/Clubhouse 1st to 65th Upper Floor	246.40
Tower-2 (Central)	2 Lower Ground + Gr.+ 1st to 8th Podium + 9th & 9th A Amenity Floor/Clubhouse + 1st to 65th Upper Floor	246.80
Tower-3 (North)	2 Lower Ground + Gr.+ 1st to 8th Podium + 9th & 9th A Amenity Floor/Clubhouse + 1st to 66th Upper Floor	250.00
Sale Building No. 2	3 Basement + Gr. + 1st to 8th Part Podium & Part Residential Floor & 9th Part Amenity/Clubhouse & Part Residential Floor + 1st to 57th Upper Floors	211.65

It is noted that, Project has received Environmental clearance vide letter dated 9th August, 2017.

It is noted that the project earlier considered in 103rd SEAC-2 (Day-2) Meeting held on 21-06-2019 & due to PP & Environment Consultant has not circulated the copy of EIA through email to Expert Members of Committee in advance. Accordingly, PP submitted the compliance which was taken on record.

The project proposal was discussed on the basis of presentation made and documents submitted by the proponent. All issues related to environment, including air, water, land, soil, ecology and biodiversity and social aspects were discussed. Committee noted that the project is under 8a (B1) category of EIA Notification, 2006. Consolidated statements, synopsis of compliances, form 1, 1A, presentation & plans submitted are taken on the record.

DECISION OF SEAC

In view of above, the proposal is deferred and shall be considered only after the compliance of below observations.

Specific Conditions by SEAC:

1) As agreed by PP, demolition waste, and concrete debris can be recycled for making paver blocks and use these to the extent possible in the project itself.
2) PP to upload the copy of SRA NoC dated 22/5/2019.
3) PP to ensure that, all STPs should be with minimum 40% area open to sky for adequate ventilation.
4) PP to upload the HRC NoC.
5) Committee suggested to develop the “miyawaki forest” in RG reservation area to reduce the heat island effect with approval from local planning authority.
6) PP to ensure that school building should be as per RTE Act.
7) PP to submit the traffic study data from MSRDC/MMRDA
8) PP to earmark the two wheeler parking.
9) PP to revise the traffic study considering the two wheeler vehicles also along with speed of the vehicles.

FINAL RECOMMENDATION

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

Agenda of 106th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 106 **Meeting Date** July 20, 2019

Subject: Environment Clearance for Environmental clearance for expansion of proposed residential project with commercial/ shop line.

Is a Violation Case: No

1.Name of Project	Paramount
2.Type of institution	Private
3.Name of Project Proponent	m/s. Ananta Landmark Pvt. Ltd.
4.Name of Consultant	M/s. Enviro Analyst & Engineers Pvt. Ltd.
5.Type of project	Residential project with commercial/ shop line.
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	Previous EC received vide letter No. SEAC-2010/CR- 672/TC-II dated. 25 March 2014
8.Location of the project	PROPOSED DEVELOPMENT ON PLOT BEARING S.NO. 113/1(Pt.), 113/2B, 113/3, 113/4, 113/5, 113/6, 113/7, 113/8, 113/9/2, 113/10, 113/11, 113/12(Pt.), 113/13, 113/14, 113/16A, 113/16B, 113/17A, 13/19B/1, 114/1/B, 114/2/B, 114/3, 114/4, 114/5, 114/6, 114/7, 114/8, 114/9A, 114/10A, 114/10C, 115/4/2, 115/5, 115/6, 115/7/2, 115/8/2, 115/9, 115/10/2, 115/11, 115/12, 115/13, 115/14, 115/15 AT VILLAGE MAJIWADE, THANE.
9.Taluka	Thane
10.Village	Majiwada & Balkum
Correspondence Name:	Mr. Narendra Lodha
Room Number:	101
Floor:	10th Floor
Building Name:	Kalpataru Synergy
Road/Street Name:	Opp. Grand Hyatt
Locality:	Vakola, Santacruz (E)
City:	Mumbai
11.Whether in Corporation / Municipal / other area	Thane Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Building permission obtained from Thane Municipal Corporation
	IOD/IOA/Concession/Plan Approval Number: Building permission obtained vide Letter No. Old/88/381/TMC/ TPD/2257/17 dated 26/7/17
	Approved Built-up Area: 92303.44
13.Note on the initiated work (If applicable)	Site not started
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	33,730.00 sq. mt.
16.Deductions	11,890.00 sq. mt.
17.Net Plot area	21,840.00 sq. mt.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 60,302.00 sq. mt.
	b) Non FSI area (sq. m.): 89,721.23 sq. mt.
	c) Total BUA area (sq. m.): 150023.60
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 44,048.75 sq. mt.
	Approved Non FSI area (sq. m.): 48,254.63 sq. mt.
	Date of Approval: 25-03-2014
19.Total ground coverage (m2)	12,995.85
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	59.5 %

21.Estimated cost of the project	6214200000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	T1	2B + 1B + Gr/ commrcial + 1P + 2P + 3P/ Stilt + 33 upper floors	116.40
2	T2	2B + 1B + Gr/ commrcial + 1P + 2P + 3P/ Stilt + 33 upper floors	116.40
3	T3	2B + 1B + Gr/ commrcial + 1P + 2P + 3P/ Stilt + 33 upper floors	116.40
4	T4	2B + 1B + Gr/ commrcial + 1P + 2P + 3P/ Stilt + 33 upper floors	116.40
5	T5	2B + 1B + Gr/ commrcial +1P + 2P + 3P/ Stilt + 32 upper floors	113.40

23.Number of tenants and shops	936 Residential tenements and 9 shops
24.Number of expected residents / users	4717 nos.
25.Tenant density per hectare	-
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	60.0 mt. wide road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	6.0 mt.
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**	TMC/ Recycled water
	Fresh water (CMD):	424 KLD
	Recycled water - Flushing (CMD):	215 KLD
	Recycled water - Gardening (CMD):	44 KLD
	Swimming pool make up (Cum):	15 KL
	Total Water Requirement (CMD) :	683 KLD
	Fire fighting - Underground water tank(CMD):	500 Cu. m.
	Fire fighting - Overhead water tank(CMD):	150 Cu. m.
	Excess treated water	257 KLD
Wet season:	**Source of water**	TMC/ Recycled water
	Fresh water (CMD):	424 KLD
	Recycled water - Flushing (CMD):	215 KLD
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	639 KLD
	Fire fighting - Underground water tank(CMD):	500 Cu. m.
	Fire fighting - Overhead water tank(CMD):	150 Cu. m.
	Excess treated water	283 KLD
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:**	Below 5.0 mt.
	Size and no of RWH tank(s) and Quantity:	-
	Location of the RWH tank(s):	-
	Quantity of recharge pits:	17 no. of recharge pits
	Size of recharge pits :	17 no. of recharge pits
	Budgetary allocation (Capital cost) :	59.50 lakhs
	Budgetary allocation (O & M cost) :	0.85 lakh/ year
	Details of UGT tanks if any :	Fire tank of 500 Cu. m. provided
35.Storm water drainage	**Natural water drainage pattern:**	-
	Quantity of storm water:	Max discharge capacity at outlet = 0.24 Cu.m/ sec.
	Size of SWD:	Avarage width - 600 mm & avarage depth - 600 mm
Sewage and Waste water	**Sewage generation in KLD:**	554 KLD
	STP technology:	Attached growth process
	Capacity of STP (CMD):	600 KLD
	Location & area of the STP:	On ground
	Budgetary allocation (Capital cost):	65.55 lakhs
	Budgetary allocation (O & M cost):	7.20 lakhs/ year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Excavated material to be partly used on site for backfilling and leveling and excess to be disposed off through vendors
	Disposal of the construction waste debris:	Construction waste generated on site shall be reused to maximum extent possible and excess shall be disposed off by vendors
Waste generation in the operation Phase:	**Dry waste:**	940 Kg/ day
	Wet waste:	1407 Kg/ day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	60 Kg/ day
	Others if any:	-

Mode of Disposal of waste:	**Dry waste:**	Will be handed over to local recyclers.
	Wet waste:	Will be processed in OWC.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	To be used as manure.
	Others if any:	-
Area requirement:	**Location(s):**	Ground floor
	Area for the storage of waste & other material:	130.0 sq. mt. including machinary and storage
	Area for machinery:	130.0 sq. mt. including machinary and storage
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	22.0 lakhs
	O & M cost:	4.50 lakhs/ day

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	5,460.00 sq. mt.
	No of trees to be cut :	63 no.
	Number of trees to be planted :	366 no.
	List of proposed native trees :	-
	Timeline for completion of plantation :	At the time of completion of the project

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	-	-	-	-
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)	150 KW (estimated)
	DG set as Power back-up during construction phase	-
	During Operation phase (Connected load):	6290 Kw
	During Operation phase (Demand load):	2759 Kw
	Transformer:	Will be as per electrical energy supplier's requirement
	DG set as Power back-up during operation phase:	2 No. of 625 KVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	Process of laying under ground lines is initiated.

48.Energy saving by non-conventional method:

• Energy efficient LED, T5 tube light that gives more light output for the same watts consumed and therefore require less nos. of fixtures.
• Equipment efficiency standard power factor will be maintained between 0.95 and unity for major equipment like Lift, STP etc. This will reduce electrical power distribution losses in the installation.
• Timer based lighting for parking areas.
• Motion Sensor and timers in staircases. Use of VFD drives in lifts.
• Maximum use of natural ventilation and light.
• Recommending the benefits of adopting BEE star rated electrical appliances to the customers to increase energy savings.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	As above	16 %

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	16.0 lakhs
	O & M cost:	0.48 Lakhs/ year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air	water sprinkling	3.00
2	Environmental Monitoring	environmental monitoring	1.50
3	Health check up	Health check up	1.20
4	Site sanitation	Site sanitation	0.60
5	Disinfection	Disinfection	1.20

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	RWH	-	59.50	0.85
2	Solid waste management	-	22.00	5.50
3	STP	-	65.55	7.20
4	Landscaping	-	105.79	4.23
5	Energy Conservation	-	16.00	0.48

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

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

Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	The project is accessible through 60.0 mt. wide road
Parking details:	**Number and area of basement:**	2 basements
	Number and area of podia:	3 no. of podiums
	Total Parking area:	34,735.37 sq. mt.
	Area per car:	30.79
	Area per car:	30.79
	Number of 2-Wheelers as approved by competent authority:	1249
	Number of 4-Wheelers as approved by competent authority:	1190
	Public Transport:	-
	Width of all Internal roads (m):	Min. 6.0 mt.
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	2.85 Km
	Category as per schedule of EIA Notification sheet	8(a), Catagory B
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

TOR Suggested Changes

Consolidated Statement Point Number	Original Remarks	Submitted Changes
Recycled Water - Gardening	26 KLD	44 KLD
Total water requirement	665 KLD	683 KLD
Capacity of STP	570 KLD	600 KLD
STP Sludge	57 Kg/ day	60 Kg/ day
No. of trees to be cut	67 No.	63 No.
No. of 2-wheeler parking	1238 No.	1249 No.
No. of 4-wheeler parking	1128 No.	1190 No.

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

Brief information of the project by SEAC

Representative of PP was present during the meeting along with environmental consultant. M/s. Enviro Analyst & Engineers Pvt. Ltd..

PP informed that, the project under consideration is proposed expansion residential project with commercial/ shop line. PP further stated that, the total plot area of the project is 33,730.00 Sq.mt. having total construction area 150023.60 Sq.mt(FSI - 60,302.00 sq.mt +NON FSI- 89,721.23 sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
T1	2B + 1B + Gr/ commrcial + 1P + 2P + 3P/ Stilt + 33 upper floors	116.40
T2	2B + 1B + Gr/ commrcial + 1P + 2P + 3P/ Stilt + 33 upper floors	116.40
T3	2B + 1B + Gr/ commrcial + 1P + 2P + 3P/ Stilt + 33 upper floors	116.40
T4	2B + 1B + Gr/ commrcial + 1P + 2P + 3P/ Stilt + 33 upper floors	116.40
T5	2B + 1B + Gr/ commrcial +1P + 2P + 3P/ Stilt + 32 upper floors	113.40

It is noted that, Project has received Environmental clearance vide letter dated 25 March 2014.

It is noted that the project earlier considered in 92nd SEAC-2 (Day 2) Meeting held on 15-03-2019 & deferred with observations namely 1) to submit the plan of road alignment & copy of 7/12 extract. 2) to submit the revised Architect Certificate regarding construction undertaken on ground is as per earlier EC & approved plan. 3) to ensure that ground coverage of club house proposed in RG area should be maximum 10% as per DCR. 4) to submit the revised RG calculations. to ensure that, proposed RG should be consolidated at one place & of minimum 7.5 mt width. 5) to submit the nalla remarks & HFL remarks. 6) to submit the revised STP design &calculations. 7) to ensure that storm water design should be as per ground truth levels. PP to submit the revised calculation & design for the same. 8) to provide Noise barriers with vegetative cover/plantation. 9) to submit the all reports related to soil contamination. 10) to submit the CFO NoC for entire layout. 11) PP to submit HRC NoC. 12) to provide the measures to improve the ventilation in basement. 13) to ensure the geometrical efficiency of parking for smooth entry & exit. 14) to submit the revised shadow analysis report especially for T3 tower, considering all buildings together 15) PP may provide 9mt drive way for fire tender movement & remaining 3mt road should be provided as RG. 16) to submit CER as per MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project or Environment Department may direct PP to undertake CER work in identified area. Accordingly, PP submitted the compliance which was taken on record.

The project proposal was discussed on the basis of presentation made and documents submitted by the proponent. All issues related to environment, including air, water, land, soil, ecology and biodiversity and social aspects were discussed. Committee noted that the project is under 8a (B1) category of EIA Notification, 2006. Consolidated statements, synopsis of compliances, form 1, 1A, presentation & plans submitted are taken on the record.

DECISION OF SEAC

In view of above, the proposal is deferred and shall be considered only after the compliance of below observations.

Specific Conditions by SEAC:

1) PP to upload the storm water design along with calculation.
2) PP to ensure that, amenities provided on RG should not be exceed than 10%. and also to provide permeable green paver blocks
3) PP to upload HRC NoC.
4) It is noted that the height mentioned in the CFO NoC is 117 mt while in CS it is mentioned as 116mt. PP to revise the online CS to that extend.
5) PP to submit the revised RG calculation.
6) PP to submit the nalla remarks.
7) PP to ensure that STP should have minimum 40% area open to sky for adequate ventilation
8) PP to upload the table stating number of flats in T3 tower receiving direct sunlight & number of flats receiving diffused sunlight.

FINAL RECOMMENDATION

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

Agenda of 106th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 106 **Meeting Date** July 20, 2019

Subject: Environment Clearance for for Slum Rehabilitation Scheme at Plot bearing CTS No.-A/791 (part) of village Bandra (West), Nargis Dutt Nagar, K.C Marg, Bandra (West) for "Bandra Reclamation SRA CHS (Ltd)" & other 2 SRA CHS by M/s Roshni Developers Pvt. Ltd.

Is a Violation Case: No

1.Name of Project	Prior Environment Clearance for Slum Rehabilitation Scheme at Plot bearing CTS No.-A/791 (part) of village Bandra (West), Nargis Dutt Nagar, K.C Marg, Bandra (West) for "Bandra Reclamation SRA CHS (Ltd)" & other 2 SRA CHS by M/s Roshni Developers Pvt. Ltd.
2.Type of institution	Private
3.Name of Project Proponent	M/s. Roshni Developers Pvt.Ltd.
4.Name of Consultant	M/s. Enviro Analysts & Engineers Pvt.Ltd.
5.Type of project	SRA Scheme
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	It is a new Project
8.Location of the project	CTS No.-A/791 (part)
9.Taluka	Bandra (west)
10.Village	Bandra (west)
Correspondence Name:	Mr. Santosh Garud
Room Number:	Omkar House, Off eastern Express Highway, Opp. Sion-Chunnabhatti Signal, Sion (E), Mumbai -400 022.
Floor:	--
Building Name:	Omkar House
Road/Street Name:	Off Eastern express Highway , Opp. Sion-Chunnabhatti signal
Locality:	Sion (E)
City:	Mumbai
11.Whether in Corporation / Municipal / other area	Municipal Corporation of Greater Mumbai
12.IOD/IOA/Concession/Plan Approval Number	LOI
	IOD/IOA/Concession/Plan Approval Number: SRA/ENG/386/HW/MHL/LOI dated 30th Jan 2019
	Approved Built-up Area: 79867.81
13.Note on the initiated work (If applicable)	N.A.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	SRA/ENG/386/HW/MHL/LOI dated 30th Jan 2019
15.Total Plot Area (sq. m.)	18016.61
16.Deductions	2001.94
17.Net Plot area	16014.67
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 133624.94
	b) Non FSI area (sq. m.): 131110.13
	c) Total BUA area (sq. m.): 264735.07
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 79867.81
	Approved Non FSI area (sq. m.): --
	Date of Approval: 30-01-2019
19.Total ground coverage (m2)	9213.72
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	57.53

21.Estimated cost of the project	11965000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Sale Buildings - 2 Nos	4Basements + Ground + amenity+ service floor+ 28 typical floor+ 1 terrace amenity floor	115 .00
2	Rehab building -(Wing A to C)	3Basement + Ground + 38 Upper Floors	117.80

23.Number of tenants and shops	Sale Buildings: Sale shops- 18 nos, Sale Units - 534 Nos. Rehab Buildings: Residential-1345 + R/C-7 + Comm-17 + Masjid-1 + Church-1 + Community Hall-1 + Existing Amenities-5 + Proposed Amenities -38
24.Number of expected residents / users	Sale:3134 Nos. Rehab:7749 Nos.
25.Tenant density per hectare	1068
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	27.45m wide DP Road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	As per requirement
29.Existing structure (s) if any	Slums
30.Details of the demolition with disposal (If applicable)	Demolition will be carried out as per debris NOC

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**	MCGM
	Fresh water (CMD):	979
	Recycled water - Flushing (CMD):	496
	Recycled water - Gardening (CMD):	14
	Swimming pool make up (Cum):	35
	Total Water Requirement (CMD) :	1489
	Fire fighting - Underground water tank(CMD):	400
	Fire fighting - Overhead water tank(CMD):	75 KLD on each staircase
	Excess treated water	626
Wet season:	**Source of water**	MCGM & RWH
	Fresh water (CMD):	979
	Recycled water - Flushing (CMD):	496
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	35
	Total Water Requirement (CMD) :	1475
	Fire fighting - Underground water tank(CMD):	400
	Fire fighting - Overhead water tank(CMD):	75 KLD on each staircase
	Excess treated water	640
Details of Swimming pool (If any)	35 KLD for 6 SP	

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:**	To be provided during EIA study
	Size and no of RWH tank(s) and Quantity:	6 Nos of total 275 KLD capacity tanks
	Location of the RWH tank(s):	Below Ground
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	275 Lakhs
	Budgetary allocation (O & M cost) :	1.8 Lakhs
	Details of UGT tanks if any :	Sale Buildings:3 tanks of 50 cu.mts each. Rehab Buildings:3 tanks in each wing of total capacity 125 KLD.
35.Storm water drainage	**Natural water drainage pattern:**	To be provided during EIA study
	Quantity of storm water:	0.3 cum/sec
	Size of SWD:	750 mm dia
Sewage and Waste water	**Sewage generation in KLD:**	1332
	STP technology:	MBBR
	Capacity of STP (CMD):	2 Nos. of STP of 438 CUM and 900 CUM respectively.
	Location & area of the STP:	STP 1 (438 CUM) : Below Ground , STP 2 (900 CUM): 1ST TO 3RD Basement . (Areas To be provided during EIA study)
	Budgetary allocation (Capital cost):	146 Lakhs
	Budgetary allocation (O & M cost):	14.6 Lakhs
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	To be provided during EIA study
	Disposal of the construction waste debris:	To be provided during EIA study
Waste generation in the operation Phase:	**Dry waste:**	2666 kg/day
	Wet waste:	3029 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	13 kg/day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Authorized Recycler
	Wet waste:	OWC
	Hazardous waste:	--
	Biomedical waste (If applicable):	--
	STP Sludge (Dry sludge):	To be used as manure
	Others if any:	NA
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	30 sq.m
	Area for machinery:	180 sq.m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	33 Lakhs
	O & M cost:	3.5 Lakhs

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

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

43.Green Belt Development	**Total RG area :**	1250.24 sq.m
	No of trees to be cut :	As per tree NOC
	Number of trees to be planted :	63
	List of proposed native trees :	As below
	Timeline for completion of plantation :	At the end of Construction Phase

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadirachta indica	Neem	15	Medicinal tree
2	Michelia champaca	Son-chafa	15	Flowering/ornamental plant
3	Mangifera indica	Mango	15	Fruiting tree
4	Mimusops elengi	Bakul	18	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 :**	TATA / Adani
	During Construction Phase: (Demand Load)	200 kW
	DG set as Power back-up during construction phase	1 No. of 80 KVA
	During Operation phase (Connected load):	27,480 KW
	During Operation phase (Demand load):	11,740 KW
	Transformer:	11 Nos of 1000 KVA. and 3 Nos of 1500 KVA.
	DG set as Power back-up during operation phase:	2 Nos of 1600 KVA and 1 Nos of 750 KVA DG Set.
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Solar Panels ,LED , VFD Drives , High efficiency equipment's

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Overall Energy saving of project	To be provided during EIA study

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:**	300 Lakhs
	O & M cost:	30 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	Site Sanitation	Toilets for labour + drinking water + first aid arrangement	11.00
2	EHS	Health, safety & first aid facility	15.00
3	Environmental Monitoring Cell	Environmental Monitoring	1.00
4	Environmental Monitoring (Noise, Water & Soil-Project site (2 times a year)	Environmental Monitoring (Noise, Water & Soil-Project site (4 times a year)	2.0

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Water Environment	Rain Water Harvesting	275	1.8
2	Water Environment	STP	146	14.6
3	Renewable Energy	Solar Energy	300	30
4	Solid Waste Management	OWC	8	1
5	Land Environment	Landscaping	Will be provided during EIA	Will be provided during EIA

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 Roads abutting the plot
Parking details:	**Number and area of basement:**	Sale Buildings :4 Nos of basement with 8770 sq.mts area each ,Rehab Buildings: 3 Nos of basment with 9974.85 sq.mts total area
	Number and area of podia:	N.A.
	Total Parking area:	45051
	Area per car:	To be provided during EIA study
	Area per car:	To be provided during EIA study
	Number of 2-Wheelers as approved by competent authority:	Nil
	Number of 4-Wheelers as approved by competent authority:	1569
	Public Transport:	NA
	Width of all Internal roads (m):	Sale Buildings: 9 m , Rehab Buildings:6 m
	CRZ/ RRZ clearance obtain, if any:	ince the construction activity is proposed only on plot not affected by CRZ hence CRZ NOC is not required on the basis of circular issued by MCZMA u/no. MCZMA-2016/CR-22/T.C.-4 dated 14th December 2018.
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	To be provided during EIA Study
	Category as per schedule of EIA Notification sheet	Schedule 8(b) Category B
	Court cases pending if any	Nil
	Other Relevant Informations	The details provided are as per the full potential of the project anticipating future expansion
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

PP was absent; hence the project is deferred.

DECISION OF SEAC

PP was absent; hence the project is deferred.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

Agenda of 106th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 106 **Meeting Date** July 20, 2019

Subject: Environment Clearance for Amendment/ Expansion in EC for proposed residential cum commercial project "Puranik City Reserva" (Earlier known as Puranik City Phase IV) on plot bearing old S. No. 3(pt) New S. No. 67/1/C, Old S. No. 3(pt) New S. No. 67/2, old S. No. 17(pt) New S. No. 1/5, Old S. No. 17(pt), New S. No. 1/7, old S. No. 17 (pt) New S. No. 1/12, old S. No. 17(pt) New S. No. 1/13, Old S. No. 42/1(pt.) New S. No. 55/1/A, old S. No. 42/1(pt.) New S. No. 55/1/B at village Mogharpada, Taluka & District-Thane and surv

Is a Violation Case: No

1.Name of Project	M/s. PURANIK BUILDERS LTD., Puraniks City Reserva (Earlier known as Puranik City Phase IV)
2.Type of institution	Private
3.Name of Project Proponent	M/s. PURANIK BUILDERS LTD.
4.Name of Consultant	Dr. D. A. Patil, Mahabal Enviro Engg. Pvt. Ltd.
5.Type of project	Residential cum Commercial project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in existing Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	• Yes, Obtained EC vide letter No. F. No./21-58/2014.IA.III dated. 18th June 2015 for the plot area 46,810.05 m2 having FSI: 59,616.54 m2 & the Total Construction area: 1,49,033.33 m2. • We have purchased the adjacent plot bearing Survey Numbers 53/3, 54/4. Also eliminated plot bearing Survey Numbers 52/2, 55/6A and part of 52/1, 53/2, old 53/1 (New 53/1/B) • Now the total plot area is 41,598.34 m2, FSI area 81,601.37 m2 and the total construction area is 1,84,291.77 m2. Hence we have applied for Expansion in prior Environmental clearance.
8.Location of the project	On plot bearing old S. No. 3(pt) New S. No. 67/1/C, Old S. No. 3(pt) New S. No. 67/2, old S. No. 17(pt) New S. No. 1/5, Old S. No. 17(pt), New S. No. 1/7, old S. No. 17 (pt) New S. No. 1/12, old S. No. 17(pt) New S. No. 1/13, Old S. No. 42/1(pt.) New S. No. 55/1/A, old S. No. 42/1(pt.) New S. No. 55/1/B at village Mogharpada, Taluka & District-Thane and survey No. 52/1, 53/1/A, 53/1/B, 53/2, 53/3, 53/4, 53/5, 54/1/A, 54/1/B, 54/2, 54/3, 54/4, 55/1 at village Vadavali, Taluka & District-Thane.
9.Taluka	Thane
10.Village	Mogharpada and Vadavali
Correspondence Name:	Mrs. Ameeta Ambekar
Room Number:	-
Floor:	-
Building Name:	Puranik One, Kanchan Pushpa
Road/Street Name:	Ghodbunder Road
Locality:	Opp. Suraj Water Park
City:	Thane
11.Whether in Corporation / Municipal / other area	Thane Municipal corporation (TMC)
12.IOD/IOA/Concession/Plan Approval Number	Approved Plan from TMC vide letter No. V.P. No. S 06/0218/15 TMC/TDD/2965/19 dated 24-01-2019
	IOD/IOA/Concession/Plan Approval Number: Approved Plan from TMC vide letter No. V.P. No. S 06/0218/15 TMC/TDD/2965/19 dated 24-01-2019
	Approved Built-up Area: 120434.19
13.Note on the initiated work (If applicable)	• Work started as per earlier EC vide letter No. F. No./21-58/2014.IA.III dated. 18th June 2015. • As on today, we have constructed 33,256.44 m2 of area (FSI: 15,410.12 m2+ Non-FSI: 17,846.32 m2)
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Approved Plan from TMC vide letter No. V.P. No. S 06/0218/15 TMC/TDD/2965/19 dated 24-01-2019
15.Total Plot Area (sq. m.)	41,598.34 m2
16.Deductions	7,771.00 m2
17.Net Plot area	33,827.34 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 81,601.37 m2
	b) Non FSI area (sq. m.): 1,02,690.40 m2
	c) Total BUA area (sq. m.): 184291.77

18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 44,343.65 m2
	Approved Non FSI area (sq. m.): 76,090.54 m2
	Date of Approval: 24-01-2019
19.Total ground coverage (m2)	18,520.00 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	44.52%
21.Estimated cost of the project	5949000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Bldg. T1	G + P1 + Stilt/P2 + 40th Floors	132.90 m
2	Bldg. T2	G + P1 + Stilt/P2 + 48 + 49(pt) Floors	159.50 m
3	Bldg. T3	G + P1 + Stilt/P2 + 48 + 49(pt) Floors	159.50 m
4	Bldg. T4	G + P1 + Stilt/P2 + 35 Floors	116.50 m
5	Bldg. T5	G + P1 + Stilt/P2 + 35 Floors	116.50 m
6	Commercial	Ground (Below P1)	-

23.Number of tenants and shops	Flats: 1,595 Nos. Commercial area: 1,020.61 m2
24.Number of expected residents / users	7,402 Nos.
25.Tenant density per hectare	385/Ha
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	40 m & 20.0 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	Min 9 m
29.Existing structure (s) if any	Vacant plot
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**	TMC
	Fresh water (CMD):	660 KLD
	Recycled water - Flushing (CMD):	331 KLD
	Recycled water - Gardening (CMD):	40 KLD
	Swimming pool make up (Cum):	5 KLD
	Total Water Requirement (CMD) :	995 KLD
	Fire fighting - Underground water tank(CMD):	As per CFO NOC
	Fire fighting - Overhead water tank(CMD):	As per CFO NOC
	Excess treated water	544 KLD
Wet season:	**Source of water**	TMC + RWH
	Fresh water (CMD):	594 + 66 KLD
	Recycled water - Flushing (CMD):	331 KLD
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	5 KLD
	Total Water Requirement (CMD) :	995 KLD
	Fire fighting - Underground water tank(CMD):	As per CFO NOC
	Fire fighting - Overhead water tank(CMD):	As per CFO NOC
	Excess treated water	584 KLD
Details of Swimming pool (If any)	Provided (24 m X 9 m)	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	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:**	3 – 4 m
	Size and no of RWH tank(s) and Quantity:	3 RWH tank with total capacity: 330 m3
	Location of the RWH tank(s):	Not applicable
	Quantity of recharge pits:	Not applicable
	Size of recharge pits :	Not applicable
	Budgetary allocation (Capital cost) :	Rs. 76 Lakh
	Budgetary allocation (O & M cost) :	Rs. 2 Lakh/year
	Details of UGT tanks if any :	Underground
35.Storm water drainage	**Natural water drainage pattern:**	Towards South side of the plot
	Quantity of storm water:	3,577.57 m3/hr
	Size of SWD:	600 x 750 mm
Sewage and Waste water	**Sewage generation in KLD:**	924 KLD
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	Total: 970 KLD (STP 1: 200 KLD, STP 2: 450 KLD, STP 3: 320 KLD)
	Location & area of the STP:	Ground Floor, Area provided: (STP 1: 150 m2, STP 2: 350 m2, STP 3: 260 m2)
	Budgetary allocation (Capital cost):	Rs. 196 Lakh
	Budgetary allocation (O & M cost):	Rs. 40 Lakh/year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction debris: 5,350 m3
	Disposal of the construction waste debris:	Construction material will be handled as per the “Construction and Demolition Waste Management Rules 2016”
Waste generation in the operation Phase:	**Dry waste:**	1,468 kg/day
	Wet waste:	2,202 kg/day
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	9 KLD
	Others if any:	Household E-waste generation

Mode of Disposal of waste:	**Dry waste:**	Dry waste will be handed over to authorized recyclers
	Wet waste:	Wet waste will be composted using mechanical composting unit and will be used as manure for gardening.
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Sludge use as manure for gardening
	Others if any:	The E-waste shall be handed over to e-waste management vendor authorized by MPCB.
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	Total area provided: 150 m2
	Area for machinery:	85 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 90 Lakh
	O & M cost:	Rs. 36 Lakh/year

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

42.Mode of Transportation of fuel to site	Not applicable

43.Green Belt Development	**Total RG area :**	RG Required: 8,001.23 m2 & provided on Ground: 8,028.47 m2
	No of trees to be cut :	Trees on site: 46 Nos., Trees to be cut: 8 Nos., Trees to be transplanted: 38 Nos.
	Number of trees to be planted :	New trees to be planted: 625 Nos.
	List of proposed native trees :	As below
	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	Alstonia scholaris	Satvin	41	Shady, large evergreen tree, white fragrant flowers.
2	Areca catechu	Supari	61	It is used as an interior landscaping species. Insect pollinating tee.
3	Bambusa vulgaris	Bamboo	36	Taxonomically it is a grass. It is an erect, evergreen, clump-forming plant. It has good economic and ornamental value.
4	Bauhinia purpurea	Purple Orchid tree (Rakt Chandan)	14	Ornamental plant and very popular in garden trees. Medicinal use of bark and root, Fodder and live fencing. Flowers are edible.
5	Cassia fistula	Bahava	59	Medium sized deciduous tree, Beautiful yellow flowers and Butterfly host plant.
6	Cocus nucifera	Coconut	58	It is fairly adaptable with regard to temperature and water supply and so highly valued
7	Delonix regia	Gulmohar	35	Flowering plant, grown as ornamental and evergreen tree.
8	Erythrina indica	Pangar	24	Flowering plant, grown as ornamental and evergreen tree.
9	Jacaranda mimosifolia	Nila Gulmohar	42	Attractive and long-lasting pale indigo flowers. It is ornamental tree.
10	Lagerstroemia speciosa	Tamhan	26	One of the most strikingly showy of flowering trees, and a good shade tree.
11	Millingtonia hortensis	Indian Cork tree (Buch)	81	It is a tall deciduous and drought resistant tree. Popular for its ornamental value and an important medicinal plant.
12	Peltophorum pterocarpum	Yellow Flame	15	It suitable for planting along streets, in parks and gardens for its ornamental flowers and umbrella shaped crown which provides excellent shade.

13	Plumeria alba	Chafa/ Champa	09	Cultivated as an ornamental plant with clusters of showy and intensely fragrant, tubular and spreading, waxy, white flowers.
14	Plumeria rubra	Frangipani	17	Deciduous, Ornamental and flowering plant.
15	Polyalthia longifolia	Ashok	53	It is a lofty evergreen tree, commonly planted due to its effectiveness in alleviating noise pollution.
16	Terminalia catappa	Badam	15	It is ornamental tree and growing for edible nuts.
17	Bougainvillea spectabilis	Paper Flower	39	It is suitable as a landscape plant or a decorative plant to climb over an arch or along the wall for its bright, colorful flowers.
18	-	-	-	-
19	-	-	-	-
20	-	-	-	-
21	-	-	-	-
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	Chitrak - Plumbago Capensis	-	-
2	Raphis Palm - Raphis Palm	-	-
3	Adulsa - Adhatoda Vasica	-	-
4	Kardal - Canna Dwarf	-	-

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	425 kW
	DG set as Power back-up during construction phase	Total: 605 kVA (D.G - 1 for Crane & Lift – 200 kVA, D.G - 2 for Crane & Lift (Optional) -180 kVA, D.G - 3 for Water Pump, Construction Equipment - 200 kVA, D.G - 4: Lighting- 25 kVA)
	During Operation phase (Connected load):	14.7 MW
	During Operation phase (Demand load):	6.6 MW
	Transformer:	4 x 1000 kVA, 1 x 1250 kVA & 630 kVA
	DG set as Power back-up during operation phase:	1,280 kVA (1 x 380 kVA, 1 x 400 kVA, 1 x 500 kVA)
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	No

48.Energy saving by non-conventional method:

• Solar hot water system for residential buildings
• Solar street lights are proposed for common areas such as open spaces, pathways, RG etc.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total Energy saving	24.4%
2	Energy saving through renewable energy source	11%

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. 140 lakh
	O & M cost:	Rs. 3.0 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	Water spray for dust suppression	-	8
2	Site sanitation (Toilets)	-	12
3	Environmental Monitoring	As per the CPCB guidelines through MoEF Approved laboratories – Ambient Air-RSPM, PM2.5, SO2, NOx, CO), Noise: Leq day time and Night Time	8
4	Potable Water Supply to Labour Camp	-	6
5	Safety Personal Protective Equipment	Helmets, Safety Shoes, Safety Belt, Goggles, Hand Gloves etc.	12
6	Traffic Management	Sign Boards, Persons at entry exit and Parking area	4
7	Safety nets	-	10
8	Solid Waste Management & Site maintenance activity	-	4.5
9	Safety - Training to Workers (Twice in Year), Safety Officer	-	6.5

b) Operation Phase (with Break-up):

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

1	STP (Tertiary)	Continuous O & M	196	40
2	Solar System (Hot water + PV Panels)	Monthly	140	3
3	Rain Water Harvesting	During rainy season (Cleaning of RWH tanks and Filtration chamber)	76	2
4	Solid waste Composting plant	Continuous O & M	90	36
5	Landscape	Daily	90	12
6	Environmental Monitoring	As per the CPCB guidelines through MoEF Approved laboratories	-	6

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	40 m & 20.0 m wide DP Road
Parking details:	**Number and area of basement:**	Not proposed
	Number and area of podia:	2 Podiums having total area: 31,337.31 m2
	Total Parking area:	46,011.31 m2
	Area per car:	28 m2
	Area per car:	28 m2
	Number of 2-Wheelers as approved by competent authority:	Req: 1,653 Nos. and provided: 1,676 Nos.
	Number of 4-Wheelers as approved by competent authority:	Req: 1,482 Nos. and provided: 1,607 Nos.
	Public Transport:	NA
	Width of all Internal roads (m):	9 m wide drive way

	CRZ/ RRZ clearance obtain, if any:	Not Applicable (Plot is outside CRZ area as per CZMP 2011)
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Project site is 1.4 km away from Sanjay Gandhi National Park. As per MoEF&CC ESZ Notification No. S.O. 3645(E) dated 05.12.2016 our site is outside eco sensitive zone i.e. (100 m). Hence the clearance from the standing committee of NBWL is not required.
	Category as per schedule of EIA Notification sheet	8 (b)
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	07-07-2017

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Representative of PP Mr. Ketan Tamhane was present during the meeting along with environmental consultant M/s. Mahabal Enviro Engg. Pvt, Ltd.

PP informed that, the project under consideration is proposed expansion in residential cum commercial project. PP further stated that, the total plot area of the project is 41,598.34 Sq.mt. having total construction area 184291.77 Sq.mt. (FSI - 81,601.37sq.mt + NON FSI- 1,02,690.40 sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Bldg. T1	G + P1 + Stilt/P2 + 40th Floors	132.90 m
Bldg. T2	G + P1 + Stilt/P2 + 48 + 49(pt) Floors	159.50 m
Bldg. T3	G + P1 + Stilt/P2 + 48 + 49(pt) Floors	159.50 m
Bldg. T4	G + P1 + Stilt/P2 + 35 Floors	116.50 m
Bldg. T5	G + P1 + Stilt/P2 + 35 Floors	116.50 m
Commercial	Ground (Below P1)	--

It is noted that, Project has received Environmental clearance vide letter dated 18th June, 2015.

The project proposal was discussed on the basis of presentation made and documents submitted by the proponent. All issues related to environment, including air, water, land, soil, ecology and biodiversity and social aspects were discussed. Committee noted that the project is under 8a (B1) category of EIA Notification, 2006. Consolidated statements, synopsis of compliances, form 1, 1A, presentation & plans submitted are taken on the

DECISION OF SEAC

In view of above, the proposal is deferred and shall be considered afresh only after the compliance of below observations.

Specific Conditions by SEAC:

1) The PP to submit whether he has applied for sub-division of plot for reducing the area for which revised/amended EC is being sought by modifying earlier EC which was obtained for entire plot and whether there is no construction with reference to earlier EC in the area which is not included in the present application. If any such application for sub-division is made, what is the result of it ?. Further has the planning authority approved the plan for reduced area separately? If yes, the PP to submit plan on this reduced area and the earlier plan against which EC was sought earlier.

FINAL RECOMMENDATION

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

Agenda of 106th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 106 **Meeting Date** July 20, 2019

Subject: Environment Clearance for Industrial I. T. Building Project Viz. CTS No. 105, 105/1 to 38, 105/39 (pt), 105/39 (pt), 105/40-41, 105/42, 105/44 (pt), 106, 107 of Village Hariyali, L.B.S. Marg, Vikhroli (W), Mumbai, Maharashtra Proposed by Vikhroli Corporate Park Pvt. Ltd.

Is a Violation Case: Yes

1.Name of Project	Vikhroli Corporate Park Pvt. Ltd.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Sandeep Tapadia; Vikhroli Corporate Park Pvt. Ltd.
4.Name of Consultant	Dr. D. A. Patil; Mahabal Enviro Engg. Pvt. Ltd.
5.Type of project	Industrial IT Park
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	CTS No. 105, 105/1 to 38, 105/39 (pt), 105/39 (pt), 105/40-41, 105/42, 105/44 (pt) , 106, 107 of Village Hariyali, L.B.S. Marg, Vikhroli (W), Mumbai, Maharashtra
9.Taluka	Kurla
10.Village	Hariyali
Correspondence Name:	Mr. Sandeep Tapadia; Vikhroli Corporate Park Pvt. Ltd.
Room Number:	-
Floor:	-
Building Name:	247 Park, Tower B
Road/Street Name:	LBS Marg
Locality:	Vikhroli (w)
City:	Mumbai- 400083
11.Whether in Corporation / Municipal / other area	Municipal Corporation of Greater Mumbai (MCGM)
12.IOD/IOA/Concession/Plan Approval Number	IOD dt 23.06.2006; CC dt 15.10.2006.
	IOD/IOA/Concession/Plan Approval Number: IOD dt 23.06.2006; CC dt 15.10.2006.
	Approved Built-up Area: 173384.36
13.Note on the initiated work (If applicable)	Total Constructed Work (FSI+ Non FSI) - Tower A: FSI: 79735 m2; Total Constructed area: 169712 m2
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	IOD dt 23.06.2006 CC dt 15.10.2006.
15.Total Plot Area (sq. m.)	50636 m2
16.Deductions	6029.96 m2
17.Net Plot area	44600 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 83,408.18 m2
	b) Non FSI area (sq. m.): 89,976.18 m2
	c) Total BUA area (sq. m.): 173384.36
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 83,408.18 m2
	Approved Non FSI area (sq. m.): 89,976.18 m2
	Date of Approval: 23-06-2006
19.Total ground coverage (m2)	13826
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	31%
21.Estimated cost of the project	3800000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building No. 1 (Tower A)	2 Basements+ Ground Floor + 2 Podiums+ 11 Floor	52.8 m
2	Building No. 1 (Tower B)	2 Basements + Ground Floor+2 Podiums + 14 Floor	60.5 m
3	Building No. 1 (Tower C)	2 Basements+ Ground Floor + 2 Podiums+ 11 Floor	52.8 m
4	Building No. 2	Gr+2	12.6 m

23.Number of tenants and shops	building is the Industrial IT Park
24.Number of expected residents / users	7200 nos.
25.Tenant density per hectare	-
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	The proposed project site is accessible by 36.60 m wide LBS Road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Min 9 m
29.Existing structure (s) if any	3 Existing buildings will be demolished Gr+4, Gr+3 & Gr+1
30.Details of the demolition with disposal (If applicable)	Debris Generation: 300 m3

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**	MCGM
	Fresh water (CMD):	108 KLD
	Recycled water - Flushing (CMD):	313 KLD
	Recycled water - Gardening (CMD):	13 KLD
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	324 KLD
	Fire fighting - Underground water tank(CMD):	260 KLD
	Fire fighting - Overhead water tank(CMD):	260 KLD
	Excess treated water	0 KLD
Wet season:	**Source of water**	MCGM
	Fresh water (CMD):	108 KLD
	Recycled water - Flushing (CMD):	313 KLD
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	324 KLD
	Fire fighting - Underground water tank(CMD):	260 KLD
	Fire fighting - Overhead water tank(CMD):	260 KLD
	Excess treated water	13 KLD
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:**	4 to 5 m
	Size and no of RWH tank(s) and Quantity:	four Recharge pits are provided
	Location of the RWH tank(s):	-
	Quantity of recharge pits:	Recharge pits are provided
	Size of recharge pits :	2000 MM Dia
	Budgetary allocation (Capital cost) :	Rs. 30 Lakh
	Budgetary allocation (O & M cost) :	Rs. 3 Lakh/y
	Details of UGT tanks if any :	Basement
35.Storm water drainage	**Natural water drainage pattern:**	The natural Slope of Plot is towards east side
	Quantity of storm water:	5876 m3/hr
	Size of SWD:	600 mm wide channels
Sewage and Waste water	**Sewage generation in KLD:**	313 KLD
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	Total Capacity: 400 m3
	Location & area of the STP:	Basement
	Budgetary allocation (Capital cost):	Rs. 150 Lakh
	Budgetary allocation (O & M cost):	Rs. 24 Lakh/y

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction debris
	Disposal of the construction waste debris:	The construction debris will be disposed as per the “Construction and Demolition and Desilting Waste (Management and Disposal) Rules 2006.
Waste generation in the operation Phase:	**Dry waste:**	576 kg/day
	Wet waste:	864 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	3 m3/d
	Others if any:	E waste: 4.5 Ton/yr

Mode of Disposal of waste:	**Dry waste:**	Dry garbage will be segregated & disposed off to recyclers
	Wet waste:	Wet garbage will be composted using Mechanical Composting system and used as organic manure for landscaping.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Sludge is used as manure for gardening
	Others if any:	E waste will be given to authorized recyclers
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	40 m2
	Area for machinery:	30 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 20 Lakh
	O & M cost:	Rs. 10 Lakh/year

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

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

43.Green Belt Development	**Total RG area :**	2500 m2
	No of trees to be cut :	Nil
	Number of trees to be planted :	Existing trees: 383 Nos. Trees to be Planted: 78 Nos.
	List of proposed native trees :	As Mention Below
	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	Pongamia Pinnata	Karanj	12	Shady tree.
2	Acacia Auriculiformis	Acacia	17	An evergreen tree
3	Erythrina Indica	Pangara	14	Medium sized deciduous tree. Bright scarlet flowers.
4	Albiza Lebbeck	Shirish	16	Shady tree, yellowish green fragrant flowers
5	Alstonia Scholaris	Satwin	19	Shady Tree, white fragrant flowers
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	Reliance
	During Construction Phase: (Demand Load)	250 kVA
	DG set as Power back-up during construction phase	150 kVA
	During Operation phase (Connected load):	8076 kW
	During Operation phase (Demand load):	4375.98 kW
	Transformer:	1. Utility Building – 2000 KVA, Make : Voltamp – 3 nos. (Property of VCPPL) 2. Tower B – 2000 KVA - 1 nos. (Property of Reliance Energy – Tenant Supply) 3. Tower B – 1500 KVA - 1 nos. (Property of Reliance Energy – Tenant Supply) 4. Tower C – 1500 KVA - 1 nos. (Property of Reliance Energy – Tenant Supply)
	DG set as Power back-up during operation phase:	7 x 1500 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	-

48.Energy saving by non-conventional method:

Energy conservation measures taken by using low energy consuming fixtures like, T5 lamps, LEDs in Lift, Lobby, and Passages
Solar lighting on street and RG area, lights proposed
Controlling of lights through motion sensors and day light sensors
Use of high energy efficient pumps for fire fighting, UG tanks and STP

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Energy conservation measures taken by using low energy consuming fixtures like, LED in Habitable area, T5 lamps, LEDs in Lift, Lobby, and Passages Solar lighting on street and RG area, lights proposed Controlling of lights through motion sensors and day light sensors Use of high energy efficient pumps for fire fighting, UG tanks and STP Total Energy Saving	20.1%

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. 40 Lakh
	O & M cost:	Rs. 4 Lakh/y

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water spray for dust suppression	-	2
2	Site sanitation and Potable Water Supply to Labour	-	6
3	Environmental Monitoring	-	2
4	Health check-up & first aid	-	2
5	Safety Personal Protective Equipment	-	3
6	Traffic Management (Sign Boards, Persons at entry exit and Parking area)	-	3
7	Disinfection	-	2

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP (Tertiary)	Continuous O & M Environment Monitoring: Monthly, STP outlet water quality for pH, BOD, COD, SS and O & G	150	24
2	Solar System	Weekly	40	4
3	Rainwater harvesting	During rainy season (cleaning of UG tanks and filtration units before rainy season)	30	3
4	Solid Waste Composting plant	Continuous O & M Environment Monitoring: Monthly to assess the compost quality	25	10
5	Landscape	Daily	50	5
6	Environmental Monitoring	-	-	5
7	Total	-	295	51

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	-
Parking details:	**Number and area of basement:**	2 basements with area of 42937.8 m2
	Number and area of podia:	2 Podiums with area of 23546.8 m2
	Total Parking area:	31,630 m2
	Area per car:	32 m2
	Area per car:	32 m2
	Number of 2-Wheelers as approved by competent authority:	500 Nos.
	Number of 4-Wheelers as approved by competent authority:	965 Nos.
	Public Transport:	-
	Width of all Internal roads (m):	min 6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park: 2.47 km
	Category as per schedule of EIA Notification sheet	8 (b)
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	21-07-2017

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for Industrial I. T. Building Project Viz. CTS No. 105, 105/1 to 38, 105/39 (pt), 105/39 (pt), 105/40-41, 105/42,105/44 (pt), 106, 107 of Village Hariyali, L.B.S. Marg, Vikhroli (W), Mumbai, Maharashtra Proposed by Vikhroli Corporate Park Pvt. Ltd.

PP submitted their application for prior Environmental clearance for total plot area of 50636 Sq. Mtrs, BUA of 173384.36 Sq. Mtrs and FSI area of 83408.18 Sq. Mtrs. PP proposes to construct 4 no. IT building, having maximum height of 60.5 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) B1.

DECISION OF SEAC

After deliberation, Committee decided to recommend the proposal for Environmental Clearance to SEIAA for further needful subject to conditions that-

Specific Conditions by SEAC:

1) As per MoEF & CC notification dated 14/3/2017 & OM dated 15/3/2018 & 16/3/2018 regarding violation, the damage assessment value is arrived at Rs. 5.7 Cr. PP to comply with SEIAA decision regarding activities to be carried out for Environmental restoration programme.
2) PP proposed to demolish of some existing buildings but as these existing structures were told to have been constructed only around the year 2006, that means these structures are not very old and are not certified as dilapidated from local planning authority. In view of this it is thoughtful not to damage the environment by demolishing the existing non-dilapidated structures especially since the local body has neither held the said structures as dilapidated nor has directed the PP to demolish these on this count. As agreed by PP, PP to retain those existing structures. However the planning authority will look in to FSI aspects on plot appropriately when these structures are not allowed as such to be demolished unnecessarily.
3) PP to submit CER as per MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project or Environment Department may direct PP to undertake CER works in identified area, as identified by Environment Department.

FINAL RECOMMENDATION

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