84th SEAC-2 Meeting

SEAC Meeting number: 84 **Meeting Date** January 7, 2019

Subject: Environment Clearance for Establishment of IKEA Store

Is a Violation Case: No

General Information:

1.Name of Project	Establishment of IKEA Store at Thane-Belapur Road, Turbhe, Navi Mumbai, India
2.Type of institution	Private
3.Name of Project Proponent	IKEA India Private Limited
4.Name of Consultant	ERM India Private Limited
5.Type of project	Commercial Establishment (IKEA Store)
6.New project/expansion in existing project/modernization/diversification in existing project	Not applicable
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Plot no 15, 15a, 15b, 15c, TTC MIDC, Turbhe, Thane- Belapur Road, Navi Mumbai
9.Taluka	Panvel
10.Village	Turbhe and Pawana
11.Area of the project	TTC MIDC area, Turbhe, Thane Belapur Road, Raigad District
12.IOD/IOA/Concession/Plan Approval Number	MIDC DC Rule 2009
	IOD/IOA/Concession/Plan Approval Number: Not applicable
	Approved Built-up Area: 46500
13.Note on the initiated work (If applicable)	Not Applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Approval from MIDC
15.Total Plot Area (sq. m.)	96,250.0 sqm
16.Deductions	Nil
17.Net Plot area	96,250.0 Sqm
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 46,500 Sqm
	b) Non FSI area (sq. m.): 41,600 Sqm
	c) Total BUA area (sq. m.): 88,100 Sqm
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	31,100 Sqm
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	approximate 32%
21.Estimated cost of the project	14160000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	IKEA Store; 1 number	1 Basement + 1 Stilt + Store Level 1 & Store Level 2	16.9 m

23.Number of tenants and shops	Not Applicable
24.Number of expected residents / users	10,358 (including staff and visitors)

25.Tenant density per hectare	Not Applicable
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	12 M (9m minimum provided)
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	12 M (9m minimum provided)
29.Existing structure (s) if any	Tanks, treatment plants, utility rooms, parking sheds, storage areas and administrative buildings.
30.Details of the demolition with disposal (If applicable)	Demolition debris: 5000 m3; Demolition scrap: 100 MT; Wooden scrap: 4 MT; Demolition is done after obtaining necessary permisison from MIDC

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**	MIDC and STP treated water
	Fresh water (CMD):	296 m3/day
	Recycled water - Flushing (CMD):	79 m3/day
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	Not Applicable
	Total Water Requirement (CMD) :	510 m3/day
	Fire fighting - Underground water tank(CMD):	1000 m3
	Fire fighting - Overhead water tank(CMD):	10 m3
	Excess treated water	135 m3/day

Wet season:	**Source of water**	MIDC, STP treated water and rainwater harvesting
	Fresh water (CMD):	207 m3/day
	Recycled water - Flushing (CMD):	79 m3/day
	Recycled water - Gardening (CMD):	18 m3/day
	Swimming pool make up (Cum):	Not Applicable
	Total Water Requirement (CMD) :	439 m3/day
	Fire fighting - Underground water tank(CMD):	1000 m3
	Fire fighting - Overhead water tank(CMD):	10 m3
	Excess treated water	135 m3/day
Details of Swimming pool (If any)	Not Applicable	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	0	254	254	0	16	16	0	238	238
Cooling tower & thermopack	0	167	167	0	167	167	0	0	0
Gardening	0	89	89	0	89	89	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Approximately 0.7 M below Road Level
	Size and no of RWH tank(s) and Quantity:	Size: 700 Cum and Quantity: One
	Location of the RWH tank(s):	Near front gate
	Quantity of recharge pits:	0
	Size of recharge pits :	Not Applicable
	Budgetary allocation (Capital cost) :	INR 20 Lakhs
	Budgetary allocation (O & M cost) :	INR 3 Lakhs
	Details of UGT tanks if any :	Raw water tanks: 2 nos.; size :130 Cum each Treated water tanks:: 2 nos., 70 Cu m each

35.Storm water drainage	**Natural water drainage pattern:**	Existing natural drainage pattern will be maintained
	Quantity of storm water:	Designed for 6740 Cu.M/hour
	Size of SWD:	800 mm Diameter
Sewage and Waste water	**Sewage generation in KLD:**	238 KLD
	STP technology:	Aerobic Moving Bed Bio Reactor system
	Capacity of STP (CMD):	1 no.; 240 KLD capacity
	Location & area of the STP:	Location: Parking level 1; Area: 300 SqM
	Budgetary allocation (Capital cost):	INR 50 Lakhs
	Budgetary allocation (O & M cost):	INR 15 Lakhs
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	750 tonnes of construction debris and 155 kg/day of municipal waste
	Disposal of the construction waste debris:	The recyclable waste such as metal scrap, plastics will be sold out to vendors. About 90% of the debris will used to level low lying areas within the project site and the rest will be disposed to designated disposal site as approved by local authority.
Waste generation in the operation Phase:	**Dry waste:**	750 kg/day
	Wet waste:	1750 kg/day
	Hazardous waste:	250 kg/month
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	500 kg/day
	Others if any:	E-waste: Approx. 1 tonne per month; Packaging waste: approx. 3-4 tonne/month
Mode of Disposal of waste:	**Dry waste:**	Scrap dealer
	Wet waste:	Bio gas plant
	Hazardous waste:	To authorized vendors for disposal at TSDF as per MPCB approval
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Filter press for preparing compost for onsite usage
	Others if any:	E-waste: Authorised recycler; Packaging waste: scrap dealer
Area requirement:	**Location(s):**	At ground floor and store level 1
	Area for the storage of waste & other material:	28.6 sqm area for waste storage and warehouse of 6253.3 sqm for materials
	Area for machinery:	20 Sq.M
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	INR 70 Lakhs
	O & M cost:	INR 10 Lakhs
37.Effluent Charecterestics		

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	-	6.5-8.5	6.5-8.5	6.5-9.0
2	Total Suspended Solids	mg/l	250-450	<10	<50
3	BOD	mg/l	250-300	<10	<10
4	COD	mg/l	500-600	<50	<100
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	Waste Oil	5.2	M3/annum	0	3 to 4	3 to 4	Through approved recyclers
2	Waste containing residue of oil	33.2	MT/annum	0	1	1	Through authorized vendors to TSDF

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	DG Set (1250 kVA)	HSD; 251.8 litre/hour	1	30 m	0.7 m	415oC
2	DG Set (1250 kVA)	HSD; 251.8 litre/hour	2	30 m	0.7 m	415oC
3	DG Set (1010 kVA)	HSD; 203.88 litre/hour	3	30 m	0.7 m	415oC
4	DG Set (1010 kVA)	HSD; 203.88 litre/hour	4	30 m	0.7 m	415oC

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	0	30 KL	30 KL
41.Source of Fuel		Local vendors		
42.Mode of Transportation of fuel to site		By Fuel Tanker		

43.Green Belt Development	**Total RG area :**	RG on the ground (sq. m): 9,650 sqm; RG area other than greenbelt (playground, etc.): 13,665 sqm
	No of trees to be cut :	0
	Number of trees to be planted :	960
	List of proposed native trees :	Neem, Gulmohar, Ajaan, Fern tree, Champa, Karanj etc.
	Timeline for completion of plantation :	3 months post construction of IKEA store

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	61	Evergreen tree; Buffer planting- Visual and Acoustic; Soil Amelioration
2	Alstonia scholaris	Satvin, Scholar tree	165	Evergreen tree; Feature planting
3	Bahunia purpurea	Rakta kanchan, Butterfly Tree	35	Flowering tree
4	Bahunia racemose	Apta, Bidi Leaf Tree	26	Deciduous tree; Soil Amelioration
5	Cassia fistula	Bahava , Amaltas	48	Flowering tree; Soil amelioration
6	Cordia sebestena	Lal Lasora	61	Flowering tree; Avenue planting
7	Delonix regia	Gulmohar	09	Flowering tree; Feature planting
8	Ehretla laevis	Ajaan	37	Deciduous tree; Feature planting
9	Filicium decipiens	Fern Tree	08	Evergreen tree; Feature planting
10	Michelia champa	Champa	62	Flowering tree; Avenue planting
11	Millingtonia hortensis	Kaval nimb, Neem Chameli	08	Flowering tree; Feature planting
12	Mesua ferrea	Nag Champa	24	Evergreen tree; Feature planting
13	Pongamia glabra	Karanj	25	Evergreen tree; Buffer planting – Visual and Acoustic; Soil Amelioration
14	Putranjiva roxburghii	Putranjiva	22	Evergreen Tree; Buffer planting – Visual and Acoustic
15	Peltophorum ferrugineum	Peela gulmohar	19	Flowering tree; Buffer planting- Visual and Acoustic
16	Plumeria alba	Champa , Chafa	188	Soil Amelioration
17	Saraca indica	Sita Ashok	32	Evergreen tree; Buffer planting- Visual and Acoustic; Soil Amelioration
18	Tabebuia argentia	Yellow trumpet tree	66	Flowering tree
19	Lagerstroemia Flos-Reginae	Pride of India	64	Flowering tree
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	Maharashtra State Electricity Distribution Company Ltd.
	During Construction Phase: (Demand Load)	200 KW
	DG set as Power back-up during construction phase	1 DG set of 125 kVA capacity
	During Operation phase (Connected load):	5.9 MW
	During Operation phase (Demand load):	4.0 MW
	Transformer:	2 no's of 22/0.433 KV, 2000 KVA Dry Type Transformers will be provided
	DG set as Power back-up during operation phase:	4 DG sets (2 x 1250 KVA and 2 x 1010 KVA)
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	Not Applicable

48.Energy saving by non-conventional method:

- Insulated roof having U value 0.043 Btu/hr.sq feet *F
- Insulated external wall having U value 0.053 Btu/hr.sq feet *F.
- Better thermal properties of Glass SC 0.29
- Efficient water cooled VSD drive centrifugal chiller system with COP 6.4at ARI
- VSD on AHU , Secondary Pumping and Cooling Towers
- Heat recovery wheel to reduce the fresh air cooling load
- Optimize design of internal lighting layout to minimize internal lighting load with lighting controls

Approx 1 MW Solar PV system

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Energy Conservation measures	37.6%

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
DG Set	Not applicable	Stack height of 30 m; Acoustic Enclosure

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	75 Lakhs
	O & M cost:	5 Lakhs

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

1	Provision of adequate drainage and bunds/ diversion dykes, water sprinkling etc. to prevent soil/ raw material escape	-	20
2	Development of vegetation and landscaping	-	80
3	Toilets for workers and sewage disposal facility	-	20
4	Air and Noise Quality monitoring	-	1.5
5	Water Quality monitoring	-	1.5
6	Miscellaneous expenses for construction phase EMP implementation	-	5
7	Waste Management	-	5
8	Campsite cleanliness	-	2
9	Health and Safety	-	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	Wastewater	STP of 240 KLD	50	15
2	Wastewater	Wastewater quality monitoring	0	2
3	Rainwater harvesting	Rain water harvesting tanks	20	3
4	Waste	Waste Management	70	10
5	Air Quality	Ambient Air quality monitoring	0	3
6	Air Quality	Stack monitoring	0	1
7	Ambient Noise	Ambient Noise monitoring	0	1
8	Green belt	Green belt and landscape maintenance	0	10
9	EHS	EHS training and EMP evaluation	10	10
10	House keeping	Facility Management for House keeping	5	25

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
HSD	Proposed for storage	In North East Corner on Ground Level	30 KL	30 KL	109 KL	Local Vendor	Fuel Tankers

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Two junction on Thane- Belapur road
Parking details:	**Number and area of basement:**	1 Basement; Area: 31,800 sqm
	Number and area of podia:	0
	Total Parking area:	62,640 sqm
	Area per car:	12.5 sqm
	Area per car:	12.5 sqm
	Number of 2-Wheelers as approved by competent authority:	176 2-wheeler parking provided
	Number of 4-Wheelers as approved by competent authority:	2356 4- wheelers parking provided
	Public Transport:	90 sqm
	Width of all Internal roads (m):	6 M
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park: ~ 16 km aerial distance;
	Category as per schedule of EIA Notification sheet	8 a
	Court cases pending if any	Not Applicable
	Other Relevant Informations	Not Applicable

	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	23-12-2016

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

PP, Mr.Sunil Verma, Mr.Vivek Upadhayay& Architect Mr.Rahul Dubey were present during the meeting along with environmental consultant Ms Neetu Nigam, M/s ERM India Pvt.Ltd.

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. PP stated that total plot area is 96250 sqm & total construction area (FSI+Non FSI) of the project is 88,100m2. Committee noted that the project is under 8a (B2) category of EIA Notification, 2006. Consolidated statements, form 1, 1A, presentation & plans submitted are taken on the record.

PP informed that,MIDC transferred the land lease from Rallis to IKEA and also land use of the site was changed from Industrial to commercial in May 2016. PP also stated that, the plans have not yet been approved by the planning authority i.e MIDC.

During discussion following points emerged:

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.

84th SEAC-2 Meeting

SEAC Meeting number: 84 **Meeting Date** January 7, 2019

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.

Is a Violation Case: No

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.
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	Amendment in approved Terms of Reference
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	ToR granted by EAC on
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 7 Societies
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.Area of the project	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 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
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 104.06.2018
15.Total Plot Area (sq. m.)	42,542.79 Sq. m
16.Deductions	14,993.80 Sq.mt.
17.Net Plot area	27,548.99 Sq. m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 1,63,182.34 sq. mt.
	b) Non FSI area (sq. m.): 2,82,189.60 sq. mt.
	c) Total BUA area (sq. m.): 445371.94

18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** --
	Approved Non FSI area (sq. m.): --
	Date of Approval: 01-01-1900
19.Total ground coverage (m2)	27680.14 Sq. mt.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	56.06%
21.Estimated cost of the project	22390000000

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 Upper Floors	123.10
2	Rehab Bldg. No. 2	GR + 30th (Pt.) Floors	93.95
3	Tower 1 (South)	3 Basement + Gr.+ 1st to 6th Podium + 7th to 9th Amenity Floor + 1st to 63rd Upper Floor	247.40
4	Tower-2 (Central)	3 Basement + Gr.+ 1st to 6th Podium + 7th to 9th Amenity Floor + 1st to 42nd Upper Floor	178.35
5	Tower-3 (North)	3 Basement + Gr.+ 1st to 6th Podium + 7th to 9th Amenity Floor + 1st Upper Floor	39.60

23.Number of tenants and shops	Rehab Bldg. No. 1 Residential: 2037 nos. R/C: 05 nos. Commercial: 89 nos. Existing Amenities (Society office & Temple): 4 nos. BWS & PHC unit: 69 nos. Rehab Bldg. No. 2 Residential: 482 nos. R/C: 16 nos. BWS & PHC unit: 16 nos. Sale Building No. 1 (Tower 1, Tower 2 & Tower 3) Residential: 653 nos.
24.Number of expected residents / users	Rehab: 16600 nos. Sale: 3265 Nos. Total: 19865 Nos.
25.Tenant density per hectare	900.00 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	Nil
30.Details of the demolition with disposal (If applicable)	--

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	MCGM
	Fresh water (CMD):	1564.00
	Recycled water - Flushing (CMD):	795.00
	Recycled water - Gardening (CMD):	289.00
	Swimming pool make up (Cum):	--
	Total Water Requirement (CMD) :	2648.00
	Fire fighting - Underground water tank(CMD):	--
	Fire fighting - Overhead water tank(CMD):	--
	Excess treated water	872.00
Wet season:	**Source of water**	MCGM
	Fresh water (CMD):	1564.00
	Recycled water - Flushing (CMD):	795.00
	Recycled water - Gardening (CMD):	--
	Swimming pool make up (Cum):	--
	Total Water Requirement (CMD) :	2359.00
	Fire fighting - Underground water tank(CMD):	--
	Fire fighting - Overhead water tank(CMD):	--
	Excess treated water	1161.00
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:	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
	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) :	Rehab Building no. 1: 35 Lakhs Rehab Building no. 2: 14 Lakhs Sale Building no. 1: 20 Lakhs
	Budgetary allocation (O & M cost) :	Rehab Building no. 1: 3.5 Lakhs/annum Rehab Building no. 2: 1.4 Lakhs/annum Sale Building no. 1: 2.0 Lakhs/annum
	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:	Total Runoff for Rehab 1: 0.21 Cum/sec, Total Runoff for Rehab 2: 0.12 Cum/sec, Total Runoff for Sale: 0.22 Cum/sec,
	Size of SWD:	Carrying capacity of drain – 0.281 Cum/sec
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
	STP technology:	MBBR
	Capacity of STP (CMD):	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
	Location & area of the STP:	Rehab Building no. 1: Below Ground Rehab Building no. 2: Below Ground Sale Building no. 1 (Tower 1, 2 & 3): Basement 1
	Budgetary allocation (Capital cost):	Rehab Building no. 1: 1000Lakhs Rehab Building no. 2: 300Lakhs Sale Building no. 1: 600 Lakhs
	Budgetary allocation (O & M cost):	Rehab Building no. 1: 100 Lakhs/annum Rehab Building no. 2: 30 Lakhs/annum Sale Building no. 1: 60 Lakhs/annum

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 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
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	113 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:	NA
Area requirement:	**Location(s):**	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
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rehab Building no. 1: 100 Lakhs Rehab Building no. 2: 30 Lakhs Sale Building no. 1: 60 Lakhs
	O & M cost:	Rehab Building no. 1: 10 Lakhs/annum Rehab Building no. 2: 3.0 Lakhs/annum Sale Building no. 1: 6.0 Lakhs/annum

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	RG on ground- 3449.29 Sq.m. DP RG:2458.38 Sq.mt
	No of trees to be cut :	07
	Number of trees to be planted :	172
	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	--
	During Operation phase (Connected load):	Rehab: 17794 KW Sale Building no. 1 (Tower 1, 2 & 3): 49841 KW
	During Operation phase (Demand load):	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): 3*2000 kVA each
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

NA

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Rehab Building no. 1	5%
2	Rehab Building no. 2	10%
3	Sale Building no. 1 (Tower 1, 2 & 3)	12.2%

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:**	Rehab Building no. 1: 110 Lakhs Rehab Building no. 2: 60 Lakhs Sale Building no. 1: 80 Lakhs
	O & M cost:	Rehab Building no. 1: 1.10 Lakhs/annum Rehab Building no. 2: 0.6 Lakhs/annum Sale Building no. 1: 0.8 Lakhs/annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water Sprinkling System	0.8
2	Water Environment	Water for construction works and mobile toilets.	1.8
3	Noise Environment	Site Barricading	3.6
4	Land environment	Mobile STP	4.6
5	Socio- economic environment	Disinfection- pest control	0.24
6	Socio- economic environment	first aid facilities	0.36
7	Socio- economic environment	Health check up	0.28
8	Socio- economic environment	Personal protective equipment	2.20
9	Socio- economic environment	Personal protective equipment	2.20
10	External infrastructure	Laydown of sewerline upto municipal existing sewerline	2.00
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 Building 1	35	3.5
2	RWH	Rehab Building 2	14	1.4
3	RWH	Sale Building 1	20	2.0
4	OWC	Rehab Building 1	100	10
5	OWC	Rehab Building 2	30	3.0
6	OWC	Sale Building 1	60	6.0
7	STP	Rehab Building 1	1000	100
8	STP	Rehab Building 2	300	30
9	STP	Sale Building 1	600	60
10	Energy	Rehab Building 1	110	1.10
11	Energy	Rehab Building 2	60	0.6
12	Energy	Sale Building 1	80	0.8
13	Landscaping	NA	55.00	10.89

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

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	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 – 3 nos. basement and area = 27700.16 sq.mt.
	Number and area of podia:	Sale bldg. 1 – 9 nos. podium = 92774.3 sq.mt.
	Total Parking area:	Rehab Building no. 1: 182 Nos. Rehab Building no. 2: 112 Nos. Sale Building no. 1 (Tower 1, 2 & 3): 958 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 no. 1: 182 Nos. Rehab Building no. 2: 112 Nos. Sale Building no. 1 (Tower 1, 2 & 3): 958 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	--
	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

Representative of 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 SRA scheme. PP also informed that, they have received Environmental Clearance vide letter dated 9/8/2017 for the project having total built up area 1,86,541.08 Sq.mt (FSI area of 1,22,922.77 Sq.mt). PP further stated that, they have started the construction work as per earlier EC. Now as per amendment, due to amalgamation with additional plot & due to increase in FSI (increase in eligibility of the slum dwellers) the total plot area of the project is 42,542.79 Sq. mt having total construction area 445371.94 Sq. mt. (FSI - 1,63,182.34 Sq. mt.+ NON FSI- 2,82,189.60 Sq. mt.). The building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Rehab Bldg. No. 1	Gr. + 42nd Upper Floors	123.10
Rehab Bldg. No. 2	GR + 30th (Pt.) Floors	93.95
Tower 1 (South)	3 Basement + Gr.+ 1st to 6th Podium + 7th to 9th Amenity Floor + 1st to 63rd Upper	247.40
Tower-2 (Central)	3 Basement + Gr.+ 1st to 6th Podium + 7th to 9th Amenity Floor + 1st to 42nd Upper Floor	178.35
Tower-3 (North)	**3 Basement + Gr.+ 1st to 6th Podium + 7th to 9th Amenity Floor + 1st Upper Floor**	36.90

PP further stated that, they have received ToR from EAC, MoEF & CC & now due to change in planning the proposal under consideration is for amendment in ToR.

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, EIA,

DECISION OF SEAC

After discussion, ToR presented by PP was approved with following additional ToR in the same

Specific Conditions by SEAC:

1) PP to submit Structural Engineers certificate.
2) PP to submit the architect certificate for construction done on site with configurations & cross sections of buildings.
3) PP to submit wind analysis, traffic analysis, shadow analysis, light and ventilation analysis reports and measures to reduce heat island effect
4) PP to ensure to also comply ToR given by EAC, MoEF & CC
5) PP to submit comparative statement regarding assessment of Environment Impact as per earlier EIA, Actual and impact due to proposed expansion
6) PP shall operate and maintain Environmental Management Facilities (EMF) including STP & fire- fighting system for 5 years after giving possession and shall also generate corpus fund for next 5 years.
7) PP to submit & upload the design & cross section of STPs indicating 40% area open to sky for adequate ventilation.
8) PP to submit CER as per MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project.
9) PP to also refer standard ToR published by MoEF vide order dated 10/04/15 in addition to above.
10) Committee approved the ToR which is valid upto 7/1/2022.

FINAL RECOMMENDATION

The Committee decided to Grant ToR subject to the above observations,PP requested to prepare and submit EIA report as per EIA Notification, 2006 and amendments thereof.

84th SEAC-2 Meeting

SEAC Meeting number: 84 **Meeting Date** January 7, 2019

Subject: Environment Clearance for Environment Clearance for proposed Expansion of Residential cum Commercial Project – Regency Sarvam at Plot bearing S.No. 42/1,42/2,42/3,42/4A/1, 41/4A/2, 42/5, 42/6, 47/1, 50/1A, 50/2, 220/1, 201/1, 223/1, 224/ 1, 225/1, 246/1 at village Manda, Titwala, Taluka – Kalyan, District – Thane by M/s. Regency Nirman Ltd.

Is a Violation Case: No

1.Name of Project	Expansion of Residential cum Commercial Project – Regency Sarvam
2.Type of institution	TOR
3.Name of Project Proponent	M/s. Regency Nirman Ltd.
4.Name of Consultant	M/s. Enviro Analysts and Engineers Pvt. Ltd.
5.Type of project	Residential
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in existing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	EC received vide letter no. SEAC-2011/CR 808/TC2 dtd 8th August 2012 for total construction area of 2,62,410.77 sq.m
8.Location of the project	S.No. 42/1,42/2,42/3,42/4A/1, 41/4A/2, 42/5, 42/6, 47/1, 50/1A, 50/2, 220/1, 201/1, 223/1, 224/ 1, 225/1, 246/1 at village Manda, Titwala, Taluka – Kalyan, District – Thane
9.Taluka	Kalyan
10.Village	Manda, Titwala
Correspondence Name:	M/s. Regency Nirman Ltd.
Room Number:	-
Floor:	-
Building Name:	Gupta Estates
Road/Street Name:	Ganpati Mandir Road,
Locality:	Titwala (E)
City:	Titwala
11.Area of the project	Kalyan Dombivli Municipal Corporation [KDMC]
12.IOD/IOA/Concession/Plan Approval Number	Received
	IOD/IOA/Concession/Plan Approval Number: Approval received vide letter no. 2012-13/121/270, dtd 25.02.2016 for FSI area 137984.10
	Approved Built-up Area: 137984.10
13.Note on the initiated work (If applicable)	Construction has been started as per previous EC received
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Nil
15.Total Plot Area (sq. m.)	165608.00
16.Deductions	57025.00
17.Net Plot area	108583.00
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 219000
	b) Non FSI area (sq. m.): 94200
	c) Total BUA area (sq. m.): 313200
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 137984.10
	Approved Non FSI area (sq. m.): -
	Date of Approval: 25-02-2016
19.Total ground coverage (m2)	25000 sq.m
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	23.02 %
21.Estimated cost of the project	4410000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Bldg No. 1,2,3,4,5,6,7,10,11,12,13,14,15, 16,17,18,19,20,35,36	St + 12 floors	37.64
2	Bldg No. 8,9,21,22,23,24,25,26,27,28,31,32	St + 14 floors	43.43
3	Bldg 8,9,25,29,30	St + 16 floors	48.83
4	Bldg 33,34	St + 7 floors	23.16
5	Bldg 37,38, 39,40	St + 20 floors	60.20
6	Commercial 1 & 2	Gr + 1 floor	7.9
7	Twin bunglow	Gr + 1 floor	6.00
8	Commercial	Gr floor	7.9
9	Theatre & shops	Gr + 1 floor	10.00

23.Number of tenants and shops	Flat: 4024nos. Bungalow:2 Shops: 59 nos. Office: 2 nos. Theatre : 1 no.
24.Number of expected residents / users	Residential: 20125 nos. Bungalow: 10 nos. Shops: 177 nos. Office: 192, Theatre: 425 nos.
25.Tenant density per hectare	371 tenant/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)	Access through 24.00 m, 30 m wide D.P road & 15.00 wide D.P road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	Nil
30.Details of the demolition with disposal (If applicable)	Nil

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	KDMC/ treated water from STP
	Fresh water (CMD):	1729 KLD
	Recycled water - Flushing (CMD):	874 KLD
	Recycled water - Gardening (CMD):	127 KLD
	Swimming pool make up (Cum):	2 KLD
	Total Water Requirement (CMD) :	2732 KLD
	Fire fighting - Underground water tank(CMD):	1800 cum
	Fire fighting - Overhead water tank(CMD):	420 cum
	Excess treated water	1107 cum
Wet season:	**Source of water**	KDMC/ treated water from STP/RWH
	Fresh water (CMD):	1729 KLD
	Recycled water - Flushing (CMD):	874 KLD
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	2
	Total Water Requirement (CMD) :	2605 KLD
	Fire fighting - Underground water tank(CMD):	1800 cum
	Fire fighting - Overhead water tank(CMD):	420 cum
	Excess treated water	1234 cum
Details of Swimming pool (If any)	Water requirement for swimming pool is 2 KLD	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
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 m to 5 m
	Size and no of RWH tank(s) and Quantity:	426 cum
	Location of the RWH tank(s):	Below ground
	Quantity of recharge pits:	24 nos. of recharge pits
	Size of recharge pits :	6.6 X 4
	Budgetary allocation (Capital cost) :	Rs. 99 Lakh
	Budgetary allocation (O & M cost) :	Rs. 10.00 Lakh/yr
	Details of UGT tanks if any :	Domestic tank: 1729 cum Flushing tank: 874 cum
35.Storm water drainage	**Natural water drainage pattern:**	South to North & West to East
	Quantity of storm water:	5.194 cum/sec
	Size of SWD:	minimum: 600 mm X 650 mm; maximum: 750 mm X 1500 mm,
Sewage and Waste water	**Sewage generation in KLD:**	2343
	STP technology:	MBBR
	Capacity of STP (CMD):	2600 KLD (2 nos: 1700 KLD & 900 KLD)
	Location & area of the STP:	Below ground level
	Budgetary allocation (Capital cost):	Rs. 256.00 Lakh
	Budgetary allocation (O & M cost):	Rs. 64.00 Lakh/yr
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Excavated waste material generated will be reused for backfilling and rest shall be disposed by covered trucks to the authorized landfill sites with permission from Municipal authority
	Disposal of the construction waste debris:	Will be used for Landscaping.
Waste generation in the operation Phase:	**Dry waste:**	5379 kg/day
	Wet waste:	3519 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	114 kg/day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	To be handed over to Local Recyclers for recycling.
	Wet waste:	To be processed in the mechanical composting. Manure obtained shall be used for landscaping / Gardening, Excess manure shall be sold to nearby end users.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	To be used as manure
	Others if any:	NA
Area requirement:	**Location(s):**	Ground level
	Area for the storage of waste & other material:	309 sqm
	Area for machinery:	50 sq.m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 25.00 lakhs
	O & M cost:	Rs. 8.00 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 :**	16287.45 sq.m
	No of trees to be cut :	-
	Number of trees to be planted :	1658 nos
	List of proposed native trees :	As listed 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	114	Medicinal tree
2	Lagerstroemia	Crape myrtle	194	Flowering tree
3	Samanea saman	Rain Tree	161	Shady tree
4	Cassia fistula	golden rain tree	208	Flowering tree
5	Michelia champaca	Son-chafa	246	Flowering tree
6	Mangifera indica	Mango	215	Fruiting tree
7	Mimusops elengi	Bakul	140	Evergreen tree
8	Polyalthia longifolia	Ashok	186	Ashok
9	Plumeria alba	Chafa	164	FLowering tree

45.Total quantity of plants on ground

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEB
	During Construction Phase: (Demand Load)	150 kW
	DG set as Power back-up during construction phase	200 KVA
	During Operation phase (Connected load):	39561.5 kW
	During Operation phase (Demand load):	9835.6 kW
	Transformer:	20 x 630 kVA & 2 x 200 kVA
	DG set as Power back-up during operation phase:	4 x 125, 1 X 200 KVA, 1 X 400KVA, 2 X 250 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	No

48.Energy saving by non-conventional method:

-

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total energy savings	10.5 %

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. 333 Lakhs
	O & M cost:	Rs. 13.32 lakhs/yr

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	EHS	Toilets for labour + drinking water + first aid arrangement	1.5
2	Health and Safety of Laborers	Health, safety & first aid facility	1.5
3	Monitoring of Environmental Parameters	Monitoring of Environmental Parameters	1
4	Environmental Monitoring Cell	Environmental Monitoring Cell	1

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Water Environment	STP	256	64
2	Solid waste management	Mechanical composter	25	8
3	Water environment	RWH	99	10
4	Land environment	landscape	33	6.6
5	Energy saving	Solar	333	13.32

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	The project site is accessible through the 15.00 m wide DP road , 24 m wide DP road & 30 m wide DP road
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	7000 sq.m
	Area per car:	12.50 sq.m
	Area per car:	12.50 sq.m
	Number of 2-Wheelers as approved by competent authority:	-
	Number of 4-Wheelers as approved by competent authority:	528
	Public Transport:	NA
	Width of all Internal roads (m):	minimum 6 m wide
	CRZ/ RRZ clearance obtain, if any:	CRZ NOC obtained vide letter mo. CRZ-2012/CR-51/TC-3

	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8 (b)
	Court cases pending if any	Nil
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

PP Mr. Anil Bhatija & Architect Mr. Anil Nirhude were present during the meeting along with environmental consultant M/s.Enviro Analysts and Engineers Pvt. Ltd.

PP informed that, the project under consideration is *proposed Expansion of Residential cum Commercial Project.* Committee noted that, the project under consideration is expansion project. The EC dated 8/8/2012 has been accorded for the project having plot area of 1,65,788.00sq.mt and the total built up area 2, 62,410.77 Sq.mt. (FSI 1,63,497.28Sq.mt +Non FSI 98,912.80 Sq.mt). having building configuration Building No. 1, 2, 3, 4, 5, 6, 7, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20: St + 12 floors, Building No. 21, 22, 23, 24, 25, 26, 27, 28, 33, 34, 35, 36, 37, 38, 39, 40: St + 14 floors, Building No 8, 29 & 30: St + 16 floors, Building No 9: St +16 (pt) floors, Building No 31 & 32: St + 17 floors, Twin bunglow: Gr + 1 floor, Commercial bldg 1: Gr + 1 floor

PP stated that, they have started the construction work & till date 2,04,319.54 Sq.mt construction done on site. PP further stated that, for 33 buildings OC received from local body and 1 building is under construction. PP further informed that, CRZ NOC received vide letter no CRZ-2012/CR-51/TC-3 dtd 23.07.2012

PP stated that now, as per amendment the total plot area of the project is 1,65,608.00Sq. mt. having total built up area 3,18 ,590.7Sq. mt. (FSI- 2,2 3,427.64 Sq. mt.+ NON FSI- 95,163.06Sq. mt.).

The building configuration is as follow-

Building Name & number	Number of floors	Height of the building (Mtrs)
1,2,3,4,5,6,7,10,11,12,13,14,15, 16,17,18,19,20	St + 12 floors	37.64
21,22,23,24,25,26,27,28	St + 14 floors	43.43
8,9,29,30	St + 16 floors	48.83
31, 32	St + 7 floors	23.16
33,34, 35,36,37,38, 39,40,41	St + 20 floors	62.00
Commercial 1 & 2	Gr + 1 floor	7.9
Twin bunglow	Gr + 1 floor	6.0
Commercial	Gr floor	7.9
Theatre & shops	Gr + 1 floor	10.00

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, EIA, synopsis of compliances, form 1, 1A, presentation & plans submitted are taken on the record.

DECISION OF SEAC

Committee approved the ToR with following observations & additions, which is valid upto 7/1/2022. EIA will be apprised as & when submitted. Meanwhile PP should comply following points.

Specific Conditions by SEAC:

1) PP to submit & upload wind analysis, shadow analysis, traffic analysis, light and ventilation analysis and measures to reduce heat island effect.
2) PP to submit & upload the copy of acknowledgement for plan submitted to local planning authority.
3) PP to submit HRC NoC.
4) PP to submit DP remarks.
5) PP to submit Monitoring report for existing STP.
6) PP to give building wise configuration sanctioned in earlier EC.
7) PP to submit the architect certificate for building wise construction done on site.
8) PP to ensure that, the fire tender movement should be from all around the building.
9) PP to submit & upload the design & cross section of STPs indicating 40% area open to sky for adequate ventilation.
10) PP to ensure that there will be maximum reuse of treated waste water.
11) PP to provide charging points for battery vehicles.
12) PP to ensure that RG required is as per the norms and should be on Mother Earth.
13) 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 work in identified area, as identified by Environment Department.
14) PP to also refer standard ToR published by MoEF vide order dated 10/04/15 in addition to above.

FINAL RECOMMENDATION

The Committee decided to Grant ToR subject to the above observations,PP requested to prepare and submit EIA report as per EIA Notification, 2006 and amendments thereof.

84th SEAC-2 Meeting

SEAC Meeting number: 84 **Meeting Date** January 7, 2019

Subject: Environment Clearance for Proposed Integrated Township at Village Dhokawade, Maharashtra.

Is a Violation Case: No

1.Name of Project	Proposed Integrated Township at Village Dhokawade, Maharashtra.
2.Type of institution	TOR
3.Name of Project Proponent	SOBO Estate Development Pvt. Ltd.
4.Name of Consultant	Fine Envirotech Engineers
5.Type of project	Proposed Integrated Township
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	Gat nos. 115, 126, 128, 133, 146, 147, 149, 150, 151, 153, 154, 155, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 174, 175, 176, 177, 178, 179, 180, 182, 183, 183, 184, 190, 191, 192, 193, 194, 199, 200, 203, 204, 205, 206, 207, 209, 210, 220, 222, 226, 227, 228, 229, 230, 231, 232, 233, 237, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343,344, 347, 359, 361,362, 363, 364, 366, 156/1, 156/2, 156/3, 181/1, 181/2, 181/3, 181/4, 198/1, 198/2/A/1, 201/1, 202/2, 376/1, 421/1.
9.Taluka	Alibaug
10.Village	Dhokawade
Correspondence Name:	SOBO Estate Development Pvt. Ltd.
Room Number:	NA
Floor:	2nd Floor
Building Name:	Jindal Mansion
Road/Street Name:	Deshmukh Marg, Pedder Road
Locality:	Mumbai
City:	Mumbai-400026
11.Area of the project	MMRDA
12.IOD/IOA/Concession/Plan Approval Number	Not applicable at this stage
	IOD/IOA/Concession/Plan Approval Number: Not applicable at this stage
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	Not started yet
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	4,53,400.00 sq.mt. (113.35 acres)
16.Deductions	45,986.67 sq.mt.
17.Net Plot area	4,07,413.33 sq.mt.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 5,71,027.22 sq.mt.
	b) Non FSI area (sq. m.): 3,47,762 sq.mt.
	c) Total BUA area (sq. m.): 918789.22
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** Not applicable at this stage
	Approved Non FSI area (sq. m.): Not applicable at this stage
	Date of Approval: 01-01-1900
19.Total ground coverage (m2)	2,10,082 sq.mt. (including Podium cover)
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	46 %
21.Estimated cost of the project	11450000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Villas (76 nos.)	G + 2	12
2	Low Rise Apartments (Type A) - 96 nos	G + 4	18
3	Mid Rise Apartments (Type B) -12 nos	G + 10	39
4	High Rise Apartments - 12 nos.	G + 26	94.5
5	EWS - 5 nos.	G + 15	48
6	School - 1 no.	G + 5	18
7	Town Hall	G + 3	15
8	Market	G + 3	15
9	Health Care	G + 4	18
10	Commercial	Podium 2 Levels +12 Floors	48
11	Utilities (Total 13 Buildings)	G + 2 (Average)	10

23.Number of tenants and shops	• Total residential tenements (Villas, Low rise apartments, Mid rise apartments and high rise apartments) -4060 nos. • Total residential tenements (EWS)- 2424 nos. Commercial Includes: • 200 Shops (20 sq.mt each) • Multiplex – 4 screens • 2 Food courts • Resort with 200 rooms • 150 Service Apartments • 100 Offices with 150 sq.mt each • Health Resort with mini Golf Course • 100 Bedded Hospital • Helipad • Bridges
24.Number of expected residents / users	Approx. 43,591 nos.
25.Tenant density per hectare	143 tenements per Ha
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	18 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	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**	MIDC /MJP
	Fresh water (CMD):	3,176
	Recycled water - Flushing (CMD):	1,708
	Recycled water - Gardening (CMD):	104
	Swimming pool make up (Cum):	30 Cum
	Total Water Requirement (CMD) :	4,988
	Fire fighting - Underground water tank(CMD):	As per NBC norm
	Fire fighting - Overhead water tank(CMD):	As per NBC norm
	Excess treated water	2144
Wet season:	**Source of water**	MIDC/ MJP
	Fresh water (CMD):	3,176
	Recycled water - Flushing (CMD):	1,708
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	30 Cum
	Total Water Requirement (CMD) :	4884
	Fire fighting - Underground water tank(CMD):	As per NBC norm
	Fire fighting - Overhead water tank(CMD):	As per NBC norm
	Excess treated water	2248
Details of Swimming pool (If any)	5 nos. of 11 m x 25 m Swimming pools	

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:**	Approx. 3.0 m
	Size and no of RWH tank(s) and Quantity:	We will be submitted during EIA presentation
	Location of the RWH tank(s):	We will be submitted during EIA presentation
	Quantity of recharge pits:	We will be submitted during EIA presentation
	Size of recharge pits :	We will be submitted during EIA presentation
	Budgetary allocation (Capital cost) :	We will be submitted during EIA presentation
	Budgetary allocation (O & M cost) :	We will be submitted during EIA presentation
	Details of UGT tanks if any :	UG tanks will be provided as per NBC norms
35.Storm water drainage	**Natural water drainage pattern:**	Natural drainage pattern will be maintained as far as possible
	Quantity of storm water:	We will be submitted during EIA presentation
	Size of SWD:	We will be submitted during EIA presentation
Sewage and Waste water	**Sewage generation in KLD:**	4396 kld
	STP technology:	Moving Bed Bio Reactor (MBBR) Technology
	Capacity of STP (CMD):	Total 4500 kld capacity of STP will be provided.
	Location & area of the STP:	We will be submitted during EIA presentation
	Budgetary allocation (Capital cost):	We will be submitted during EIA presentation
	Budgetary allocation (O & M cost):	We will be submitted during EIA presentation
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Excavated earth materials and construction waste will be generated.
	Disposal of the construction waste debris:	Excavation earth materials and construction waste shall be partly reused on site and partly shall be shall be disposed by authorized contractor.
Waste generation in the operation Phase:	**Dry waste:**	8,419 kg/day
	Wet waste:	10630 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	20 kg/day
	STP Sludge (Dry sludge):	440 kg.
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Dry waste will be handed over to authorized agency / recycler.
	Wet waste:	Wet waste will be process in Organic Waste Converter and compost will be used as manure for gardening.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	Will be handed over to authorized agency/recycler
	STP Sludge (Dry sludge):	Used as manure for gardening
	Others if any:	NA
Area requirement:	**Location(s):**	We will be submitted during EIA presentation
	Area for the storage of waste & other material:	We will be submitted during EIA presentation
	Area for machinery:	We will be submitted during EIA presentation
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	We will be submitted during EIA presentation
	O & M cost:	We will be submitted during EIA presentation

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 :**	57,639.00 sq.mt.
	No of trees to be cut :	NA
	Number of trees to be planted :	Details will be submitted during EIA presentation
	List of proposed native trees :	Native tree species with large canopy size and flower and fruit bearing variety will be selected.
	Timeline for completion of plantation :	Till the operation phase 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	We will be submitted during EIA presentation	We will be submitted during EIA presentation	We will be submitted during EIA presentation	We will be submitted during EIA presentation
45.Total quantity of plants on ground				

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

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

47.Energy

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

48.Energy saving by non-conventional method:

We will be submitted during EIA presentation.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	We will be submitted during EIA presentation	We will be submitted during EIA presentation

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:**	We will be submitted during EIA presentation
	O & M cost:	We will be submitted during EIA presentation

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	We will be submitted during EIA presentation	We will be submitted during EIA presentation	We will be submitted during EIA presentation

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	We will be submitted during EIA presentation	We will be submitted during EIA presentation	We will be submitted during EIA presentation	We will be submitted during EIA presentation

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:	Separate entry and exit

Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	Total no of podiums: 14 for Residential + 2 Level Podium For Commercial Area under podiums – 1,30,000 sq.mt.
	Total Parking area:	1,30,158 sq.mt.
	Area per car:	30 sq.mt (including driveway area)
	Area per car:	30 sq.mt (including driveway area)
	Number of 2-Wheelers as approved by competent authority:	12,508 nos.
	Number of 4-Wheelers as approved by competent authority:	2,472 nos.
	Public Transport:	23 nos. Buses
	Width of all Internal roads (m):	9.0 m to 18 m
	CRZ/ RRZ clearance obtain, if any:	To be obtained
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	.....
	Category as per schedule of EIA Notification sheet	8 (b)
	Court cases pending if any	No
	Other Relevant Informations	.....
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Representative of PP Mr. Shyamlal Agarwal was present during the meeting along with environmental consultant M/S Fine Envirotech Engineers. PP informed that, the project under consideration is Integrated Township project. The total plot area of the project is 4,53,400.00Sq. mt. having total construction area 918789.22Sq. mt. (FSI - 5,71,027.22 Sq. mt.+ NON FSI- 3,47,762 Sq. mt.).

The building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Villas (76 nos.)	G + 2	12
Low Rise Apartments (Type A) 96 nos	G + 4	18
Mid Rise Apartments (Type B) -12 nos	G + 10	39
High Rise Apartments - 12 nos	G + 26	94.5
EWS - 5 nos.	G + 15	48
School - 1 no.	G + 5	18
Town Hall	G + 3	15
Market	G + 3	15
Health Care	G + 4	18
Commercial	Podium 2 Levels +12 Floors	48
Utilities (Total 13 Buildings)	G + 2(Average)	10

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, EIA, synopsis of compliances, form 1, 1A, presentation & plans submitted are taken on the record.

DECISION OF SEAC

During presentation PP informed that, the location Clarence for the said ITP project is under process & agreed to submit it as & when received. Committee decided to defer the project as it is not ripe for appraisal as the location clearance of the project for ITP is still not received by the PP from the competent authority.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

84th SEAC-2 Meeting

SEAC Meeting number: 84 **Meeting Date** January 7, 2019

Subject: Environment Clearance for Proposed Residential High Rise Building on CTS No. 629/1234A at Bandra (East) Mumbai (Stilt +16 Floors) (A, C and B Flats)

Is a Violation Case: No

1.Name of Project	Proposed Residential High Rise Building on CTS No. 629/1234A at Bandra (East) Mumbai (Stilt +16 Floors) (A, C and B Flats)
2.Type of institution	Government
3.Name of Project Proponent	Public Works Department, Bandra Government of Maharashtra
4.Name of Consultant	M/s. Terracon Ecotech Pvt. Ltd.
5.Type of project	Housing Project: Government Staff Quarters
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.629/1234A
9.Taluka	Mumbai City
10.Village	Mumbai City
Correspondence Name:	Executive Engineer
Room Number:	North Mumbai (P.W) Division Andheri,
Floor:	1st floor,
Building Name:	New administrative building,
Road/Street Name:	Dr. D.N Road,
Locality:	Andheri (W)
City:	Mumbai - 58
11.Area of the project	Mumbai Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Not Applicable
	IOD/IOA/Concession/Plan Approval Number: Not Applicable
	Approved Built-up Area: 83437.86
13.Note on the initiated work (If applicable)	Not Applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	24764.59
16.Deductions	Not Applicable
17.Net Plot area	Not Applicable
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 99058.36
	b) Non FSI area (sq. m.): 19592.82
	c) Total BUA area (sq. m.): 83437.86
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 34670.43
	Approved Non FSI area (sq. m.): 19592.82
	Date of Approval: 21-11-2018
19.Total ground coverage (m2)	6934.08
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	28
21.Estimated cost of the project	19200000.4

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Wings A,B & C = 12 buildings	16	49.45

23.Number of tenants and shops	No of proposed tenants: 2012
24.Number of expected residents / users	8072
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)	12 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	There will be entry & exit points and fire tenders proposed in the project with sufficiently wide internal roads and pedestrian pathways.
29.Existing structure (s) if any	It is reserved for government staff quarters. The occupants are class IV officers residing in 21sq.m quarters. Redevelopment of government staff quarters is initiated by Public Works Department (PWD)
30.Details of the demolition with disposal (If applicable)	There are existing quarters for state government employees at the site. All quarters will get demolished before construction phase. The demolition material thus obtained will be used in the project to maximum extent possible.

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**	Municipal supply/ Treated STP water
	Fresh water (CMD):	727
	Recycled water - Flushing (CMD):	364
	Recycled water - Gardening (CMD):	Not Applicable
	Swimming pool make up (Cum):	Not Applicable
	Total Water Requirement (CMD) :	1091
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	360
	Excess treated water	Will be used in gardening
Wet season:	**Source of water**	Municipal supply/ Treated STP water
	Fresh water (CMD):	727
	Recycled water - Flushing (CMD):	194
	Recycled water - Gardening (CMD):	Not Applicable
	Swimming pool make up (Cum):	Not Applicable
	Total Water Requirement (CMD) :	921
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	360
	Excess treated water	Will be used in gardening
Details of Swimming pool (If any)	Not Applicable	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	2 - 5 meters
	Size and no of RWH tank(s) and Quantity:	Water Collected from RWH system : 172 KLD
	Location of the RWH tank(s):	Rain Water Harvesting Plan and storm water layout is attached as Annexure 10
	Quantity of recharge pits:	-
	Size of recharge pits :	-
	Budgetary allocation (Capital cost) :	-
	Budgetary allocation (O & M cost) :	-
	Details of UGT tanks if any :	Underground Storage Tank (TOTAL NUMBER:___) Domestic Water Tank - ZONE1 - 930 KLD Domestic Water Tank - ZONE 2 -770 KLD Flushing Water Tank - ZONE1 - Flushing Water Tank - ZONE 2 -
35.Storm water drainage	**Natural water drainage pattern:**	As Site Sloping
	Quantity of storm water:	Provision of some storm water chambers for surface storm water with perforated covers to avoid flooding, as well as It will be managed by sloping ground surface towards available storm water drainage channels and nala etc. for surface water. Details of drainage layout plan is attached as Annexure 11
	Size of SWD:	Zone 1- 500 meters approx. Zone 2 - 430 meters approx.
Sewage and Waste water	**Sewage generation in KLD:**	Zone 1: 501 KLD, Zone 2: 245 KLD
	STP technology:	MBBR - Moving bed biofilm reactor with 90% efficiency
	Capacity of STP (CMD):	Zone 1: 557 KLD, Zone 2: 275 KLD
	Location & area of the STP:	Location & Area of STP is furnished in attached Annexure No. 5
	Budgetary allocation (Capital cost):	10925000 (approx.)
	Budgetary allocation (O & M cost):	-

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction Activity: Total solid waste generation: 100 kg/day, Bio-degradable waste: 60 kg/day , Non-Biodegradable waste: 40 kg/day.
	Disposal of the construction waste debris:	Inert waste will be utilized for the site leveling. MSW: Dustbins will be placed for the collection and same will be handed over to authorized vendor
Waste generation in the operation Phase:	**Dry waste:**	Operation Phase: Building A -175.20 kg/day, Building B - 102.40 kg/day, Building C - 149.60 kg/day
	Wet waste:	Operation Phase: Building A -1,627.20 kg/day, Building B - 153.60 kg/day, Building C - 224.40 kg/day
	Hazardous waste:	Not applicable because proposed project is construction project. However very small quantity of hazardous waste including spent oil or grease for DG sets and other machineries will be generated which will be handled as per Hazardous Wastes (Management and Handling) Rules.
	Biomedical waste (If applicable):	Not Applicable.
	STP Sludge (Dry sludge):	About 50 Kg/day wet sludge will be generated from STP.

Mode of Disposal of waste:	**Dry waste:**	Non-bio degradable & dry waste will be collected and handed over to local authority for disposal
	Wet waste:	For treatment of Bio Degradable & wet waste Solid Wastes, OWC Unit Capacity = 3050 Kgs per Day
	Hazardous waste:	Not applicable because proposed project is construction project. However very small quantity of hazardous waste including spent oil or grease for DG sets and other machineries will be generated which will be handled as per Hazardous Wastes (Management and Handling) Rules.
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Will be used as manure in landscaping (after digestion & drying).
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	Location is furnished in Annexure No. 5
	Area for the storage of waste & other material:	Location is furnished in Annexure No. 5
	Area for machinery:	OWC, Location is furnished in Annexure No. 5
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	6945000
	O & M cost:	-

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	Total RG Area: 3580.19sq.m
	No of trees to be cut :	151
	Number of trees to be planted :	Cutting trees will be replant as per norms.
	List of proposed native trees :	HEDGES: Acalypha hispida, Hamelia patens, Tecoma stans, Nerium oleander. TREES: Lagerstroemia indica , Khaya, Tabebuia, Barringtonia asiatica, Cassia fistula
	Timeline for completion of plantation :	5 years

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Acalypha hispida	Chenile plant	-	Used for foliage, flowers
2	Hamelia patens	Fire bush	-	Used for planting along median for its foliage and flowers
3	Tecoma stans	Trumpet bush	-	Planted in median and hedges for its bright yellow flowers
4	Nerium oleander	Oleander	-	Ornamental gardening
5	Lagerstroemia indica	Crape myrtle	-	colourful and long lasting flowers, used for landscaping and gardening
6	Khaya	robble	-	Used for avenue plantation, honey plants, timber trees
7	Tabebuia	African Mahogany	-	Used for avenue plantation, timber tree
8	Barringtonia asiatica	Fish poison tree	-	Used for avenue plantation, brightly coloured flowers, attracts bats and moths, shade trees
9	Cassia fistula	Golden rain tree	-	Bright yellow flowers, Used for avenue plantation
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	Reliance power / DG set
	During Construction Phase: (Demand Load)	18260.7 KVA
	DG set as Power back-up during construction phase	Yes
	During Operation phase (Connected load):	18260.7 KVA
	During Operation phase (Demand load):	7680 KVA
	Transformer:	Not Applicable
	DG set as Power back-up during operation phase:	Yes. DG set (640*4 kVA) will be used as power backup during operation phase.
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	Not Applicable

48.Energy saving by non-conventional method:

• Monitoring of daily electricity consumption will be done
• Most of the common area lighting is proposed to work on high energy efficient lamps as specified in Bureau of Energy efficiency and T-5, T-8 & LED lights which result in energy saving.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	T-5, T-8 & LED lights	-

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:**	-
	O & M cost:	-

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Dust Suppression	Water Spray to reduce fugitive dust	1.7
2	Safety	PPE	2
3	Environmental Monitoring	Air, Water, Noise, Soil	4
4	Disinfection & Site Sanitation	Water supply, Solid Waste Management, Toilet Facility	3.2

5	Health Check up	-	1.5

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Rain Water Harvesting	Storage & recharge pit	42	4.2
2	Solid Waste Management	OWC	50	15
3	STP	MBBR (2 quantity)	120	18
4	Tree Plantation	sapling & plantation	35	7

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	-
Parking details:	**Number and area of basement:**	-
	Number and area of podia:	-
	Total Parking area:	Total Parking: 296 (surface parking 100 and stilt parking 196)
	Area per car:	-
	Area per car:	-
	Number of 2-Wheelers as approved by competent authority:	-
	Number of 4-Wheelers as approved by competent authority:	296
	Public Transport:	Nearest Bus stand & Railway Station: Bandra (WR- 2.5 km)
	Width of all Internal roads (m):	6 m & 4.5 m
	CRZ/ RRZ clearance obtain, if any:	Not Applicable

	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Thane flaming sanctuary: 13 km (NE) Sanjay Gandhi National Park:11 km (N)
	Category as per schedule of EIA Notification sheet	B-2 Category
	Court cases pending if any	Not Applicable, there is no litigation pending against the proposed project
	Other Relevant Informations	Not Applicable
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	NA
Water Budget	Dry Session 1091 CMD, Wet Session 921CMD
Waste Water Treatment	Sewage generation- Zone 1: 501 KLD, Zone 2: 245 KLD, STP technology:MBBR , Capacity of STP-Zone 1: 557 KLD, Zone 2: 275 KLD,Budgetary allocation-10925000 (approx.)
Drainage pattern of the project	NA
Ground water parameters	Level of the Ground water table:2 - 5 meters,Water Collected from RWH system : 172 KLD
Solid Waste Management	Construction Activity: Total solid waste generation: 100 kg/day, Biodegradable waste: 60 kg/day , Non-Biodegradable waste: 40 kg/day. Dry- Operation Phase: Building A -175.20 kg/day, Building B - 102.40 kg/day, Building C - 149.60 kg/day Wet- Operation Phase: Building A -1,627.20 kg/day, Building B - 153.60 kg/day, Building C - 224.40 kg/day,About 50 Kg/day wet sludge will be generated from STP.
Air Quality & Noise Level issues	NA
Energy Management	During Construction Phase: (Demand Load)-18260.7 KVA,During Operation phase (Connected load):18260.7 KVA,During Operation phase (Demand load):7680 KVA
Traffic circulation system and risk assessment	NA
Landscape Plan	Total RG Area: 3580.19sq.m
Disaster management system and risk assessment	NA
Socioeconomic impact assessment	NA
Environmental Management Plan	Construction phase- 12.4 lac, Operation Phase- 247 lacs & 44.2 lacs for maintenance
Any other issues related to environmental sustainability	NA

Brief information of the project by SEAC

Representative of PP Mr. Sachin Chivate, Under-secretary, PWD & Architect Mr. Abhay Bhosale were present during the meeting along with environmental consultant M/s. Terracon Ecotech Pvt. Ltd.

PP informed that, the project under consideration is *redevelopment of Government colony. PP informed that, the total area of government colony for redevelopment is 75 acres but the project under consideration is having* total plot area of 24764.59 Sq. mt. with total construction area 83437.86Sq. mt. (FSI - 99058.36Sq. mt.+ NON FSI- 19592.82 Sq. mt.). The building configuration is as follow-

Building Name & number	Number of floors	Height of the building (Mtrs
Wings A,B & C = 12 building	16	49.45

During meeting, PP Mr. Chivate, Under seacrtary, PWD informed that project under consideration is for only 12 buildings and not for entire Government colony. He further assured that, if redevelopment of government colony is proposed in later stage, the EIA for the said project will be conducted including these buildings. Committee agreed to this & appraised the project.

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 (B2) category of EIA Notification, 2006. Consolidated statements, synopsis of compliances, form 1, 1A, presentation & plans submitted are taken on the

DECISION OF SEAC

After deliberation, Committee decided to recommend the proposal for Environmental Clearance to SEIAA, subject to compliance of below points.

Specific Conditions by SEAC:

1) PP to submit CFO NoC.
2) PP to submit copy of administrative approval for the development of this plot.
3) PP to ensure that RG should be as per norms & it should be on mother earth.
4) PP to submit & upload the design & cross section of STPs indicating 40% area open to sky for adequate ventilation.
5) PP to provide at least clear 6 mt drive way with turning radius of 9 mt.
6) Public Works Department shall establish separate wing for maintenance of Environmental infrastructure like STP, OWC etc of Bandra Government colony.
7) PP to submit Tree authority NoC.
8) PP to provide 2 wheeler parking including for cycles as per new rule.
9) PP to provide Noise barriers with vegetative cover/plantation.
10) 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 work 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

84th SEAC-2 Meeting

SEAC Meeting number: 84 **Meeting Date** January 7, 2019

Subject: Environment Clearance for 'TCS Banyan Park' - Phase 1 of IT Park

Is a Violation Case: No

1.Name of Project	TCS Banyan Park - Phase 1 of IT Park
2.Type of institution	Green Building
3.Name of Project Proponent	Tata Consultancy Services Ltd.
4.Name of Consultant	Aditya Environmental Services Pvt. Ltd.
5.Type of project	Industrial Estate, with all building being LEED Gold Certified
6.New project/expansion in existing project/modernization/diversification in existing project	Proposal is for ex-postfacto environment clearance for Phase 1 with existing structures Block A,C & J, B,D,E,L & M, K (Basement to A & B), Canopy & Bridge.
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	in this regard Member Secretary, MPCB letter No BO/RO(P&P)/ TB-686 dtd 23 Jan 2006 is relevant
8.Location of the project	Plot bearing C.T.S. Nos. 221, 228, 234 & 235 of village Gundavali, Suren Road, Andheri (East), Mumbai.
9.Taluka	Andheri
10.Village	Gundavali
Correspondence Name:	Mr.T. Prafullachandran (Corporate Head, Administration), Location Head - Banyan Park (Coordinator)
Room Number:	-
Floor:	-
Building Name:	TCS House
Road/Street Name:	Raveline Street
Locality:	Fort
City:	Mumbai - 400001
11.Area of the project	Municipal Corporation of Greater Mumbai (MCGM)
12.IOD/IOA/Concession/Plan Approval Number	IOD No. E.B/CE/8748/WS/AK of 2006.
	IOD/IOA/Concession/Plan Approval Number: IOD No. EB/CE/8748/WS/AK of 2006. Initial plan approval ref No CE/1767/WS/LOKEN dtd 1st Mar 2006. Amended plan approved on 24th July 2009
	Approved Built-up Area: 60603.34
13.Note on the initiated work (If applicable)	9 Structures Block A,C & J, B,D,E,L & M, K (basement to A & B), Canopy & Bridge are constructed
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	90,122.50 sqm
16.Deductions	13,072.67 sqm
17.Net Plot area	77,049.86 sqm
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 40,603.34
	b) Non FSI area (sq. m.): 20,000
	c) Total BUA area (sq. m.): 60603
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 40,603.34
	Approved Non FSI area (sq. m.): 20,000
	Date of Approval: 02-05-2006
19.Total ground coverage (m2)	13087
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	17%
21.Estimated cost of the project	3207400000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Block A	Ground floor + 2 upper floors	14.2
2	Block B	Ground floor + 2 upper floors	14.2
3	Block C & J	Ground floor + 2 upper floors	14.2
4	Block D	Ground floor + 2 upper floors	14.2
5	Block E	Ground floor + 2 upper floors	14.2
6	Block E	Ground floor + 2 upper floors	14.2
7	Block L	Ground floor +1 Basement	11.87 , basement at -12
8	Block M	Ground floor	3.4
9	Basement K Block (Basement below Block A & B)	Basement level 1 +Basement level 2	-7
10	Canopy	Canopy at height of first floor	5.6
11	Bridge	Bridge at height of first floor	9

23.Number of tenants and shops	Not applicable
24.Number of expected residents / users	2500
25.Tenant density per hectare	Not applicable
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	18.30 M DP Road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.0 M
29.Existing structure (s) if any	9 structures (Block A,C & J,B,D,E,L & M, K (basement to A & B) ,Canopy and bridge) are constructed
30.Details of the demolition with disposal (If applicable)	Not applicable

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	MCGM -119 m3/day, STP -120 m3/day & Borewell -295 m3/day
	Fresh water (CMD):	119 MCGM
	Recycled water - Flushing (CMD):	60 m3/day from Borewell
	Recycled water - Gardening (CMD):	175 m3 from borewell
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	534
	Fire fighting - Underground water tank(CMD):	150
	Fire fighting - Overhead water tank(CMD):	50
	Excess treated water	120 m3 /day from STP & 60 m3 /day from borewell for cooling tower
Wet season:	**Source of water**	MCGM -119 m3/day, STP -120 m3/day & Borewell -120 m3/day
	Fresh water (CMD):	119 MCGM
	Recycled water - Flushing (CMD):	60 m3/day from Borewell
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	359
	Fire fighting - Underground water tank(CMD):	150
	Fire fighting - Overhead water tank(CMD):	50
	Excess treated water	120 m3 /day from STP & 60 m3 /day from borewell for cooling tower
Details of Swimming pool (If any)	Swimming Pool water capacity is 720 Cum and plant is in shut down condition since date of commission.	

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:**	3.5 mts
	Size and no of RWH tank(s) and Quantity:	2 nos. (1 of 50 cum and 1 of 7.5 cum)
	Location of the RWH tank(s):	Block L and near tennis court.
	Quantity of recharge pits:	16 recharge pits are available
	Size of recharge pits :	2.5m x 2.5m x 3.5m
	Budgetary allocation (Capital cost) :	34.89 lacs
	Budgetary allocation (O & M cost) :	6 lacs per annum
	Details of UGT tanks if any :	2 lacs ltrs - 2 Nos for BMC water storage 7.5 KL -1 No for RWH at tennis court 3 KL - 1 No for Gundavali Water Body 3 KL - 1 No for Courtyard Water Body We have below mentioned tanks in Basement at L block - 75 KL x 2 Nos as Fire Tank 50 KL x 2 Nos as Domestic Raw Water Tank 50 KL x 2 Nos as Domestic Treated Water Tank 50 KL x 2 Nos as HVAC Tank 50 KL x 3 Nos as Borewell Water Tank 50 KL x 1 No as Irrigation / RWH Water Tank
35.Storm water drainage	**Natural water drainage pattern:**	Natural water drain pattern is maintained.
	Quantity of storm water:	1300 cum/ day
	Size of SWD:	600 mm wide
Sewage and Waste water	**Sewage generation in KLD:**	Currently 76 cmd generated and having plant capacity of 128 cmd
	STP technology:	SAFF
	Capacity of STP (CMD):	1 STP of 130 cmd
	Location & area of the STP:	Utility Block L
	Budgetary allocation (Capital cost):	INR 2000000
	Budgetary allocation (O & M cost):	INR 216000

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Debris generated was disposed off to MCGM approved land filling sites
	Disposal of the construction waste debris:	Debris generated was disposed off to MCGM approved land filling sites
Waste generation in the operation Phase:	**Dry waste:**	165 kg/ day
	Wet waste:	135 kg/ day
	Hazardous waste:	Used lube oil appx 350 ltrs per year,
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	STP sludge not generated as sewage input is very less & water quality is high. In case dry sludge gets generated it will be passed through press to form cake & cube utilised for gardening purpose.
	Others if any:	Battery waste generated appx 15 874 kg once in four year, Non biodegradable waste appx 1.6 kg per day including e waste, plastic etc

Mode of Disposal of waste:	**Dry waste:**	Composted on site through composting pits, vermicomposting bags, organic waste converter with tray & non biodegradable waste is handed over to authorized recycler.
	Wet waste:	Composted on site through Biomethanization plant & Organic waste converter
	Hazardous waste:	Disposed off through CPCB/ MPCB authorized vendors
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	If generated it will be passed through installed filter press , to form cakes & cubes and utilized for gardening purpose.
	Others if any:	Batteries & ewaste Disposed off through CPCB /MPCB authorized vendors only
Area requirement:	**Location(s):**	Near tennis court
	Area for the storage of waste & other material:	1300 sq ft for dry waste segregation, 2500 sq ft for horticultural waste & 5000 sq ft for e waste & general scrap
	Area for machinery:	60 sq mtrs (Biomethanization plant, Organic Waste converter , vermicomposting pits)
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	24.54 lacs
	O & M cost:	5.45 lacs per annum

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used Lube oil	5.1	lts	350 ltrs	Not applicable	350	CPCB authorised vendor

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	5 nos. attached to DG sets	HSD of 150 lit	5	15.35 m, 15.35 m, 15.35 m, 10.36 m, 5 m	0.254 m, 0.254 m, 0.254 m, 0.22 m , 0.1 m	150 0C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	HSD fuel tank capacity of 990 ltrs for 4 nos and 100 ltrs for 40 kva DG	0	4060 lit
41.Source of Fuel		Public Petrol Pump Andheri East		
42.Mode of Transportation of fuel to site		In barrels of 200 lit in approved vehicles on hire		

43.Green Belt Development	**Total RG area :**	2111.88 sqm. Total landscape area is appx 14 acres
	No of trees to be cut :	190 trees cut
	Number of trees to be planted :	380 trees are planted
	List of proposed native trees :	Refer enclosed tree list
	Timeline for completion of plantation :	Plantation done

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	Refer enclosed tree list	Refer enclosed tree list	Refer enclosed tree list	Refer enclosed tree list
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	Refer enclosed tree list	Refer enclosed tree list	Refer enclosed tree list

47.Energy

Power requirement:	**Source of power supply :**	Tata Power and Reliance Power
	During Construction Phase: (Demand Load)	Not applicable
	DG set as Power back-up during construction phase	Not applicable
	During Operation phase (Connected load):	3713 KW (Tata Power) +400 KW (Reliance Infrastructure)
	During Operation phase (Demand load):	3.4 MVA
	Transformer:	1250 KVA x 3 nos
	DG set as Power back-up during operation phase:	3 x 1010 kva + 1 x 600 kva + 1 x 40 kva DG sets are installed
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	Not applicable

48.Energy saving by non-conventional method:

Using LED/CFL lights and energy efficient fixtures and
Use of motion detection sensors
Using energy efficient motors & group control facility for lifts
Using ISI rating motors with 60% efficiency water pumps
Using ISI rating motors with 75% efficiency motors
Energy metering system for internal and external lighting
Creation of Remote Energy Monitoring center and use of analytics
Use of automatic sprinkler system for garden area

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	10%	6,00,000, kwh units per year

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Biodegradable Dry & Wet waste	Biomethanation plant & Organic waste converter	Already installed
Horticulture waste	Vermicomposting	Already installed
Sewage Generation	Sewage treatment plant	Already installed
Solid Waste (Non biodegradable)	Waste segregation area	Already provided
Sewage Generation	STP	Already installed
Air emission from DG Set	Provision of DG stack & stack monitoring	Already installed

Noise from DG set	DG acoustic enclosure provided	Already installed

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	2.1 crs (LED Lamps, VFD installation in AHU, Auto motion & installation of Roof top solar plant, CO2 sensor & fresh air damper)
	O & M cost:	14 lacs

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Not applicable	Not applicable	Not applicable

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage treatment plant	SAFF	20 lacs	2.16 lacs
2	Solid waste management	Biomethanization, OWC, Vermicomposting pits	24.54 lacs	5.45 lacs
3	Rain water harvesting System	RWH & Recharge pits	34.89 lacs	6 lacs
4	Landscaping	14 acres	204 lacs	50 lacs
5	Energy Saving Features	Measures as per MOEF notification dated 9th Dec 2016 & ECBC 2016 guidelines	210 lacs	14 lacs
6	Environmental Monitoring	DG state, Air quality, noise	0	0.6 lacs

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	2 nos., Code of practice. Traffic calming measures suggested by institute of Urban Transport Planning are implemented as per MOEF circular dtd 09 Dec 2016

Parking details:	**Number and area of basement:**	2 nos. 1,32,935 sqft in K block, 31,624 sqft in L block
	Number and area of podia:	Not applicable
	Total Parking area:	1,32,935 sqft
	Area per car:	121 sqft
	Area per car:	121 sqft
	Number of 2-Wheelers as approved by competent authority:	150
	Number of 4-Wheelers as approved by competent authority:	385
	Public Transport:	Not applicable
	Width of all Internal roads (m):	internal drive way of minimum width of 6 m
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	At apprx 10.2 km from Sanjay Gandhi National Park
	Category as per schedule of EIA Notification sheet	Category B : 7(c) to be read in conjunction with 8 (a)
	Court cases pending if any	Please refer point v)
	Other Relevant Informations	Aggrieved by the Direction issued by the Member Secretary, SEAC dtd 16th Jan 2017, appeal No. 8/2017 was filed by TCS before the NGT Western Zone Bench Pune The Hon'ble Tribunal by its order in the said Appeal on 28.11.2017, directed us to approach MoEF for post facto approval of the project. TCS filed it's online application for Ex Post Facto Environment Clearance for Phase 1 under Sl. No. 7 (c) of the Schedule to the Ministry of Environment, New Delhi and in reply to our above mentioned application, The Member Secretary, Expert Appraisal Committee, (Infra 2), Ministry of Environment, New Delhi, vide online Essential Detail Sought dated 01.02.2018 directed TCS to refile the application before the State Expert Appraisal Committee II (SEAC II), Maharashtra. TCS responded to online Essential Detail Sought dated 01.02.2018 to the Ministry of Environment and Forest, New Delhi vide its letter dated 08.03.2018_requesting The Member Secretary, Expert Appraisal Committee, Ministry of Environment and Forest, New Delhi to process the TCS application for grant ex post facto Environment Clearance to the Phase-I of the IT Park at Andheri (W), Mumbai as directed by the NGT. As TCS did not receive any response to its letter dated 08.03.2018 from The Member Secretary, TCS filed an Execution Application No. 27 or 2018 in Appeal No. 8 of 2017 [WZ] before the NGT inter alia, for the execution of the judgment dated 28.11.2017 passed by the NGT and seeking appropriate directions upon the Ministry of Environment and Forest, New Delhi. The Execution Application was heard by the NGT on 12.04.2018. The matter comes up for hearing on 03.05.2018. This application is filed without prejudice to our rights.

	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	28-12-2017

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

PP Mr. T. Prafullachandran was present during the meeting along with environmental consultant M/S Aditya Environmental Services Pvt. Ltd.

PP informed that, the project under consideration is IT Park. The total plot area of the project is 90,122.50 Sq. mt. having total construction area 60603 Sq. mt. (FSI - 40,603.34 Sq. mt.+ NON FSI- 20,000 Sq. mt.).

PP stated that, vide letter dated*02 Nov 2005* they have approached *MPCB for clearance certificate under IT Policy. In response to this the letter dated 23rd January, 2006 received from then Member Secretary MPCB stating that No Environmental Clearance required for the Project. Accordingly layout approval & IOD received from local planning authority for full Project Banyan Park consisting of 10 Blocks (A, B, C , D, E, F, G, H, J, L and basement to A, B and F) with built up area of 60613.12 sq mt. PP further stated that Part OC received in 14/9/2011 & 3/12/2012 and they have applied for EC for Phase II (subsequent development) in 31/12/2013. PP informed that, the project (Phase II) was considered in 34th Meeting of SEAC 2 held on 20/7/2015 and decided to refer it to SEIAA for action on alleged violation. Thereafter on 16/1/2017 Directions issued by then ACS, Environment Department to stop work of Phase I till TCS obtains the EC.*

PP further stated that, TCS appealed against the Directions of Member Secretary SEIAA to Hon. NGT through Appeal No 08/2017 in 29/3/2017. PP further stated that, Hon. NGT stayed the Directions of Member Secretary, SEIAA and directed MoEF to consider proposal to grant of Ex Post facto EC to Phase I of the Project after receipt of application from TCS and stayed the prosecution vide order dated 28/11/2017. PP filed online application on MoEF & CC portal for EC in 28/12/2017. Remarks in February, 2018 received from MoEF & CC portal directed TCS to withdraw application and file application before SEAC. PP stated that, they have filed Execution Application No 27 of 2018 in 11 March 2018 for enforcement of Hon. NGT order. Further to this, Hon. NGT directed TCS vide order dated 06 Aug 2018 to refile the application and MoEF & CC to dispose off the application by a speaking order within two weeks of filing of the fresh application. MoEF & CC vide its order dated 19/12/2018 directed PP to approach SEAC.

PP further stated that, they have applied to SEAC in 28/12/2017 & online application was submitted on 12/4/2018.

Committee noted the chronology of the events related to the project. It is noted that Environment Department under EP Act, 1986 has initiated process of prosecution for violation of EIA Notification, 2006 (Amended form time to time). Criminal case has been launched with vide case no 178/SW/2017 in the court of Metropolitan Magistrate, Andheri. But this prosecution is stayed by Hon.NGT by its order 28/11/2017.

Committee also noted the Notification No 1030(E)/1031(E) dated 8th March, 2018 issued by the Ministry of Environment, Forest & Climate Change which stipulates the procedure for cases of violation. Committee deliberated the case in detail & concluded that the case under consideration is being considered due to Hon. NGT order dated *28/11/2017 and MoEF & CC's direction dated 19/12/2018. Accordingly, Committee noted the Environmental infrastructure provided as below-*

1. *Utilization of FSI less than 1 to preserve the rich biodiversity of the plot, despite IT being entitled to higher FSI.*
2. *All buildings are Compliant with NBC 2005 norms and Relevant IS codes.*
3. *LEED Gold Certified Buildings.*
4. *Awarded Zero Garbage Green Society by MCGM.*
5. *8 % of demand load will be met with renewable energy.*
6. *Zero discharge facility*
7. *Of the total plot area about 73% used for landscaping and roads.*
8. *Complete Sewage treatment and reuse of treated water for secondary uses*
9. *Rain water harvesting is undertaken. 16 re-charge pits (1.5 m radius and 8 m depth) & and one recharge well (2.25 m radius and 16 m depth) have been provided for meeting the requirement of one recharge bore per 5000 sqm i.e. 17 bores. The storage of rain water is also undertaken in tank with capacity of 7500 liters and 50000 liters.*
10. *1216 Sprinkler and 575 mini sprinklers, 275 Pop up sprinklers installed. In addition 800 drip irrigation nodes are installed.*
11. *An agreement with the identified vendors to ensure plastic waste given is recycled by approved methods of plastic recycling as per IS 14534:1998 i.e. using Incinerators, cement Kilns, blast furnaces, using bacteria and conversion into plastic for tarring of roads.*
12. *STP plant of the Capacity 130 KLD is installed.*

Committee instructed PP to provide additional treatment to ensure BoD should be less than 10.

DECISION OF SEAC

After deliberation and after considering the Hon. NGT's orders issued in respect of examining the case for post facto approval, the Committee is of the opinion that Environmental infrastructure provided is good enough for the project and therefore project is fit for post facto approval for grant of EC. But the project at the same time is already treated as the case of violation vide then ACS's order dated 16/1/2017 for which prosecution has also been already initiated & MoEF & CC has stipulated the procedure for cases of violation vide notification dated 8th March 2018. Considering this, Committee decided to refer the matter to SEIAA for further decision.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

84th SEAC-2 Meeting

SEAC Meeting number: 84 **Meeting Date** January 7, 2019

Subject: Environment Clearance for Proposed expansion of Runwal Greens a residential cum commercial project at plot bearing CTS No. 681/ A7, 681/A8, 681/A9 of village Nahur at Mulund Goregaon Link Road. Bhandup W Mumbai. By M/s. Propel Developers P L

Is a Violation Case: No

1.Name of Project	Proposed expansion of Runwal Greens a residential cum commercial project at plot bearing CTS No. 681/ A7, 681/A8, 681/A9 of village Nahur at Mulund Goregaon Link Road. Bhandup W Mumbai. By M/s. Propel Developers P L
2.Type of institution	Private
3.Name of Project Proponent	M/s, Propel Developers P L
4.Name of Consultant	M/s. Enviro Analysts & Engineers Pvt. Ltd.
5.Type of project	Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	EC dated 4th Feb 2013 vide SEAC 3511/CR- 989/TC – 2 for total construction area 5,32,747.60 sq m
8.Location of the project	CTS No. 681/ A7, 681/A8, 681/A9 of village Nahur at Mulund Goregaon Link Road. Bhandup W Mumbai.
9.Taluka	Kurla
10.Village	Nahur
Correspondence Name:	M/s. Propel Developers P L
Room Number:	-
Floor:	5th floor
Building Name:	Runwal & Omkar E square
Road/Street Name:	Off Eastern Express Highway
Locality:	Opp. Sion Chunabatti Signal, Sion (E)
City:	Mumbai 400022.
11.Area of the project	Municipal Corporation of Greater Mumbai (MCGM)
12.IOD/IOA/Concession/Plan Approval Number	approval received
	IOD/IOA/Concession/Plan Approval Number: BUILDING NO. 1 file no : CE/469/BPES/AS , BUILDING NO. 2 file no. CHE/ES/4261/S/337(NEW), Temple - CHE /ES/2396/S/33
	Approved Built-up Area: 197310
13.Note on the initiated work (If applicable)	For Tower A, Tower B, Tower C, Tower D full OC received and for Tower E, Tower F, Tower G, Tower H part OC received.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	BUILDING NO. 1 file no : CE/469/BPES/AS, BUILDING NO. 2 file no. CHE/ES/4261/S/337(NEW), Temple - CHE /ES/2396/S/33
15.Total Plot Area (sq. m.)	82,054.60
16.Deductions	• Set back (Mulund Goregaon Link Road): 2517.30 sq m • Set back (18.30 m Road): 5692.00 sq m • Any reservation (Hospital RH 1.2 as per 2034): 10556.00 (25% AMENITY OPEN SPACE REQUIRED OF SUB PLOT B = 18502.07 SQ.MT & 5% AMENITY OPEN SPACE REQUIRED OF SUB PLOT D & E = 262.86 SQ.MT TOTAL AMENITY OPEN SPACE REQUIRED = 18764.93 SQ.MT. AREA OF ROAD RESERVATION TO ADJUSTED AGAINST AMENITY SPACE IS 8209.30 SQ.MTS, Additional amenity open space proposed: 10556.00 sq m Total (a + b + c = 18765.
17.Net Plot area	60,005.18 sq m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 2,77,822.96
	b) Non FSI area (sq. m.): 408702.34
	c) Total BUA area (sq. m.): 686525.30
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 1,97,310
	Approved Non FSI area (sq. m.): 313760.26
	Date of Approval: 28-06-2018
19.Total ground coverage (m2)	33524.13

20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	52.97 %
21.Estimated cost of the project	15400000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Tower A	2B+ Gr + upper Gr + 3P + Stilt +36 Floors+ 1 FC Floor	144.10
2	Tower B	2B+ Gr + upper Gr + 3P + Stilt +36 Floors+ 1 FC Floor	144.10
3	Tower C	2B+ Gr + upper Gr + 3P + Stilt +36 Floors+ 1 FC Floor	144.10
4	Tower D	2B+ Gr + upper Gr + 3P + Stilt +38 Floors+ 2 FC Floor	152.60
5	Tower E	2B+ Gr + upper Gr + 3P + Stilt + 41 Floors+ 2 FC Floor	162.65
6	Tower F	2B+ Gr + upper Gr + 3P + Stilt +36 Floors+ 1 FC Floor	144.10
7	Tower G	2B+ Gr + upper Gr + 3P + Stilt +36 Floors+ 1 FC Floor	144.10
8	Tower H	2B+ Gr + upper Gr + 3P + Stilt + 40 Floors+ 2 FC Floor	159.30
9	Tower 1	4B + Gr + 9P + 2 amenity floors + 1st to 54 floors.	217.40
10	Tower 2	4B + Gr + 9P + 2 amenity floors + 1st to 54 floors.	217.40
11	Tower 3	4B + Gr + 9P + 2 amenity floors + 1st to 54 floors.	217.40
12	Tower 4	4B + Gr + 9P + 2 amenity floors + 1st to 54 floors.	217.40
13	Tower 5	4B + Gr + 9P + 2 amenity floors + 1st to 54 floors.	217.40

23.Number of tenants and shops	Existing Residential : 1538, Proposed Residential (Tower 1 – 5): 1106 nos. Total: 2644 nos. Shops: 152 nos.
24.Number of expected residents / users	Existing Residential:13, 541 nos., Proposed Residential: 5530 nos. total: 19071 nos.
25.Tenant density per hectare	322
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	45.7 m Mulund Goregaon Link Road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m

29.Existing structure (s) if any	Tower A, B, C, D full OC received, E, F, G, H part OC received
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**	MCGM, Recycled water
	Fresh water (CMD):	1445 KLD
	Recycled water - Flushing (CMD):	946 KLD
	Recycled water - Gardening (CMD):	200 KLD
	Swimming pool make up (Cum):	10 cum
	Total Water Requirement (CMD) :	2591 KLD
	Fire fighting - Underground water tank(CMD):	1300 cum
	Fire fighting - Overhead water tank(CMD):	30 cum + 10 cum @alternate refugee floors
	Excess treated water	627 KLD
Wet season:	**Source of water**	MCGM, Recycled water, RWH
	Fresh water (CMD):	1445 KLD
	Recycled water - Flushing (CMD):	946 KLD
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	10 cum
	Total Water Requirement (CMD) :	2391 KLD
	Fire fighting - Underground water tank(CMD):	1300 cum
	Fire fighting - Overhead water tank(CMD):	30 cum + 10 cum @alternate refugee floors
	Excess treated water	827 KLD
Details of Swimming pool (If any)	10 cum	

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 – 4 m
	Size and no of RWH tank(s) and Quantity:	320 cum & 4 nos.
	Location of the RWH tank(s):	Ground
	Quantity of recharge pits:	Existing 19 nos.
	Size of recharge pits :	150 mm
	Budgetary allocation (Capital cost) :	Shall be examined during EIA
	Budgetary allocation (O & M cost) :	Shall be examined during EIA
	Details of UGT tanks if any :	Shall be examined during EIA
35.Storm water drainage	**Natural water drainage pattern:**	Shall be examined during EIA
	Quantity of storm water:	Shall be examined during EIA
	Size of SWD:	Shall be examined during EIA
Sewage and Waste water	**Sewage generation in KLD:**	1991 KLD
	STP technology:	SAFF
	Capacity of STP (CMD):	STP 1 for Towers 1, 2, 3 & 8: 625 KLD ; STP 2 for Towers 4, 5, 6, 7 & club house: 520KLD ; STP 3 for Retail: 105 KLD ; STP 4 for GCP: 50 KLD, Proposed STP: 750 KLD
	Location & area of the STP:	Shall be examined during EIA
	Budgetary allocation (Capital cost):	Shall be examined during EIA
	Budgetary allocation (O & M cost):	Shall be studied during EIA

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Excavated material, top soil road filling material.
	Disposal of the construction waste debris:	It will be used.
Waste generation in the operation Phase:	**Dry waste:**	2678 kg/day
	Wet waste:	3927 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Shall be examined during EIA
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Will be handed over to recyclers.
	Wet waste:	Biodegradable waste will be processed in OWC and manure so obtained will be used for landscaping
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	will be used as manure
	Others if any:	NA
Area requirement:	**Location(s):**	Shall be examined during EIA
	Area for the storage of waste & other material:	Shall be examined during EIA
	Area for machinery:	Shall be examined during EIA
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Shall be examined during EIA
	O & M cost:	Shall be examined 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 :**	15713.37 sq m
	No of trees to be cut :	NA
	Number of trees to be planted :	1396 trees, Shrubs 778 on podium, 118 nos along plot boundary
	List of proposed native trees :	As given below
	Timeline for completion of plantation :	Before Completion of project

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Shall be examined during EIA	Shall be examined during EIA	Shall be examined during EIA	Shall be examined during EIA
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	Shall be examined during EIA	Shall be examined during EIA	Shall be examined during EIA

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	80kW
	DG set as Power back-up during construction phase	100 KVA
	During Operation phase (Connected load):	14580 kW
	During Operation phase (Demand load):	Existing: 15 MVA; Proposed: 6268 kW
	Transformer:	as per requirement
	DG set as Power back-up during operation phase:	Residential: 2 x 1500 KVA, GCP: 1 x 1500 KVA Retail: 1 x 500 KVA. Proposed 1200 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Shall be examined during EIA

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total % Savings	Shall be examined during EIA

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:**	Shall be examined during EIA
	O & M cost:	Shall be examined 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, Green Belt Development, Covered storage area	2
2	Noise Environment	Noise Barricades and Green Belt Developments	1.5
3	Water Environment	Modular STP, Drainage with sedimentation tanks	1.5
4	Good Health Practices	Site Sanitation & Health Care	1.5
5	Environment Monitoring	Air, water, noise soil monitoring during construction phase	2

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Water Environment	RHW	Shall be examined during EIA	Shall be examined during EIA
2	Water Environment	STP	Shall be examined during EIA	Shall be examined during EIA
3	Solid waste management	OWC	Shall be examined during EIA	Shall be examined during EIA
4	Energy conservation	Solar saving	Shall be examined during EIA	Shall be examined during EIA
5	Landscaping	Green Belt Development	Shall be examined during EIA	Shall be examined 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:	3 vehicular entries/ exits
Parking details:	**Number and area of basement:**	2 Basement for Tower A, B, C, D, E, F, G, H & 4 basements for Tower 1, 2, 3, 4, 5
	Number and area of podia:	3 Podium: for Tower A, B, C, D, E, F, G, H & 9 Podium: for Tower 1, 2, 3, 4, 5.
	Total Parking area:	-
	Area per car:	-
	Area per car:	-
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	Residential 4W: 3583 nos. For proposed residential 4W: 3502 nos. GCP 4W: 1552 nos. GCP Trucks: 117 nos.
	Public Transport:	Mulund Goregaon Link Road
	Width of all Internal roads (m):	12 m, 9m, 6m wide internal road.
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park (1.77 Km)
	Category as per schedule of EIA Notification sheet	8(b)
	Court cases pending if any	NA
	Other Relevant Informations	-

	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	07-12-2018

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Representative of PP was present during the meeting along with environmental consultant M/s. Enviro Analysts & Engineers Pvt. Ltd. PP informed that, the project under consideration is *proposed Expansion of Residential cum Commercial Project. PP further informed that, the project has received previous EC vide letter dated 4th Feb 2013 for the total built up area of 5,32,747.60 sq mt. There were 8 nos. of residential towers as per earlier EC. The work of all the towers has been completed. Tower A to D (4 nos.) has received occupation certificate and Tower E to H (4 nos.) part occupation is granted by MCGM. PP informed that, the total construction carried out till date at site is 5,19,250 Sq. mt.*

*PP stated that, now proposed expansion,*the total plot area of the project is 82,054.60Sq. mt. having total construction area 686525.30Sq. mt. (FSI - 2,77,822.96 Sq. mt.+ NON FSI- 408702.34 Sq. mt.). There are *additional 5 residential buildings viz Tower 1 , Tower 2, Tower 3, Tower 4 & Tower 5 height of 217.40 m.* The building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Tower A	2B+ Gr + upper Gr + 3P + Stilt +36 Floors+ 1 FC Floor	144.10
Tower B	2B+ Gr + upper Gr + 3P + Stilt +36 Floors+ 1 FC Floor	144.10
Tower C	2B+ Gr + upper Gr + 3P + Stilt +36 Floors+ 1 FC Floor	144.10
Tower D	2B+ Gr + upper Gr + 3P + Stilt +38 Floors+ 2 FC Floor	152.60
Tower E	2B+ Gr + upper Gr + 3P + Stilt + 41 Floors+ 2 FC Floor	162.65
Tower F	2B+ Gr + upper Gr + 3P + Stilt +36 Floors+ 1 FC Floor	144.10
Tower G	2B+ Gr + upper Gr + 3P + Stilt +36 Floors+ 1 FC Floor	144.10
Tower H	2B+ Gr + upper Gr + 3P + Stilt + 40 Floors+ 2 FC Floor	159.30
Tower 1	4B + Gr + 9P + 2 amenity floors + 1st to 54 floors	217.40
Tower 2	4B + Gr + 9P + 2 amenity floors + 1st to 54 floors	217.40
Tower 3	4B + Gr + 9P + 2 amenity floors + 1st to 54 floors	217.40
Tower 4	4B + Gr + 9P + 2 amenity floors + 1st to 54 floors	217.40
Tower 5	4B + Gr + 9P + 2 amenity floors + 1st to 54 floors	217.40

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, EIA, form 1, 1A, presentation & plans submitted are taken on the record.

DECISION OF SEAC

After discussion, ToR presented by PP was approved with following additional ToR in the same:

Specific Conditions by SEAC:

1) PP to submit details/reason regarding the expansion.
2) PP to submit the architect certificate for construction done on site with configurations
3) PP to submit the certificate from registrar of company regarding change in Name.
4) PP to submit the detail area statement.
5) PP to submit the HRC NoC.
6) PP to submit copy of property card.
7) PP to submit wind analysis, traffic analysis, shadow analysis, light and ventilation analysis and measures to reduce heat island effect.
8) PP to submit Contour and slope analysis super imposed with storm water drain, sewer line map in the project and 500 mtr around the project.
9) PP to submit CER as per MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project
10) PP to also refer standard ToR published by MoEF vide order dated 10/04/15 in addition to above.
11) Committee approved the ToR which is valid upto 7/1/2022.

FINAL RECOMMENDATION

The Committee decided to Grant ToR subject to the above observations,PP requested to prepare and submit EIA report as per EIA Notification, 2006 and amendments thereof.

84th SEAC-2 Meeting

SEAC Meeting number: 84 **Meeting Date** January 7, 2019

Subject: Environment Clearance for proposed Slum Rehabilitation Scheme on land bearing Part of CTS. No. 1110 of Village Kandivali, situated at Powels land, Tulaskarwadi, M. G. Cross Road No. 1, Kandivli (West), Mumbai Suburban District for "Shivshakti Nagar Co-operative Housing Society Ltd." By M/s Bambay Slum Development Corporation

Is a Violation Case: No

1.Name of Project	M/s. Bombay Slum Redevelopment Corporation Limited.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Priyank K Hemani, M/s Bombay Slum Redevelopment Corporation Limited.
4.Name of Consultant	Dr. D. A. Patil, Mahabal Enviro Engg. Pvt. Ltd.
5.Type of project	SRA Scheme Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No
8.Location of the project	CTS No. 1110 (pt) of village Kandivali, situated at Powels land, Tulaskarwadi, M. G. Cross Road No. 1, Kandivali (West), Mumbai
9.Taluka	Borivali
10.Village	Kandivali
Correspondence Name:	Mr. Priyank K Hemani
Room Number:	605
Floor:	6th floor
Building Name:	Trade Center
Road/Street Name:	-
Locality:	Opp. MTNL Tel. Exchange, BKC, Bandra- East
City:	Mumbai
11.Area of the project	Municipal Corporation of Greater Mumbai (MCGM)
12.IOD/IOA/Concession/Plan Approval Number	Revised LOI from SRA under No. SRA/ENG/107/RS/ML/LOI dated 06/04/2017
	IOD/IOA/Concession/Plan Approval Number: Revised LOI from SRA under No. SRA/ENG/107/RS/ML/LOI dated 06/04/2017
	Approved Built-up Area: 239312.35
13.Note on the initiated work (If applicable)	we have stared work on site as per the approval dt 06.04.2017, As on today we have constructed 18,385.97 m2 area
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Revised LOI from SRA under No. SRA/ENG/107/RS/ML/LOI dated 06/04/2017
15.Total Plot Area (sq. m.)	30,100.30 m2
16.Deductions	11,143.04 m2
17.Net Plot area	18,957.26 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 1,34,811.12 m2
	b) Non FSI area (sq. m.): 1,38,143.48 m2
	c) Total BUA area (sq. m.): 272954.6
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 1,13,057.30 m2
	Approved Non FSI area (sq. m.): 1,26,255.05 m2
	Date of Approval: 06-04-2018
19.Total ground coverage (m2)	10,682.58 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	56%
21.Estimated cost of the project	6040000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Comp. Bldg No. 1	Ground + 7 Upper floors	23.80
2	Comp. Bldgs no. 2 (Wing A_ Rehab)	Ground + 7 Upper floors	23.80
3	Comp. Bldgs no. 2 (Wing B_ Sale)	Ground + 7 Upper floors	23.80
4	Comp. Bldgs no. 3 (Wing- A & B _Rehab)	Ground + 21 Upper floors	64.40
5	Comp. Bldgs no. 3 (Wing- C & D Rehab)	Ground + 23 Upper floors	69.90
6	Comp. Bldgs no. 3 (Wing- E & F Rehab)	Ground + 23 Upper floors	69.90
7	Comp. Bldgs no. 3 (Wing- G Sale)	Ground + 23 Upper floors	69.90
8	Comp. Bldgs no. 3 (Wing- H Sale)	Ground + 23 Upper floors	69.90
9	Comp. Bldgs no. 3 (Wing- I Rehab)	Ground + 23 Upper floors	69.90
10	Sale Building No.4 (Tower A)	B+G+9P+ Amenity +38 Floor	153.35
11	Sale Building No.4 (Tower B)	B+G+9P+ Amenity +38 Floor	153.35
12	Sale Building No.4 (Tower C)	B+G+9P+ Amenity +38 Floor	153.35
13	Sale Building No.4 (Tower D)	B+G+9P+ Amenity +38 Floor	153.35
14	Sale Building No.4 (Tower E)	B+G+9P+ Amenity +38 Floor	153.35
15	Rehab Building No. 5 (Wing- A & B Rehab)	Ground + 23 Upper floors	69.90

23.Number of tenants and shops	Comp. Bldg. No. 1 Flats: 78 Nos. Shops: 07 Nos. Comp. Bldg. No. 2 Flats: 114 Nos. Shops: 09 Nos. Comp. Bldg. No. 3 Flats: 1,395 Nos. Amenity area: 625.30 m2 Shops: 37 Nos. Sale. Bldg. No. 4 Flats: 1,301 Nos. Amenity area: 1,200 m2 Shops: 19 Nos. Rehab Bldg. No. 5 Flats: 289 Nos. Amenity area: 147.0 m2 Shops: 02 Nos.
24.Number of expected residents / users	16,304 Nos.
25.Tenant density per hectare	1060 /Ha
26.Height of the building(s)	

27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	18.30 m & 13.40 m wide D.P Road.
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	Existing slums
30.Details of the demolition with disposal (If applicable)	Existing slums will be demolished

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	MCGM
	Fresh water (CMD):	1,440 KLD
	Recycled water - Flushing (CMD):	723 KLD
	Recycled water - Gardening (CMD):	12 KLD
	Swimming pool make up (Cum):	7 KLD
	Total Water Requirement (CMD) :	2,170 KLD
	Fire fighting - Underground water tank(CMD):	As per the CFO NOC
	Fire fighting - Overhead water tank(CMD):	As per the CFO NOC
	Excess treated water	1,264 KLD

Wet season:	**Source of water**	MCGM + RWH
	Fresh water (CMD):	1,258 + 182 KLD
	Recycled water - Flushing (CMD):	723 KLD
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	7 KLD
	Total Water Requirement (CMD) :	2,170 KLD
	Fire fighting - Underground water tank(CMD):	As per the CFO NOC
	Fire fighting - Overhead water tank(CMD):	As per the CFO NOC
	Excess treated water	1,276 KLD
Details of Swimming pool (If any)	On Podium top (Sale Building)	

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:	7 Tanks of total 420 m3 capacity
	Location of the RWH tank(s):	Underground/ Basement
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	97 lakh
	Budgetary allocation (O & M cost) :	5.0 lakh/y
	Details of UGT tanks if any :	Underground (Rehab) & Basement (sale)
35.Storm water drainage	**Natural water drainage pattern:**	Towards North-West side of the plot
	Quantity of storm water:	2,196.93 m3/hr
	Size of SWD:	450 mm x 700 mm

Sewage and Waste water	**Sewage generation in KLD:**	2,019 KLD
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	8 STP's of total 2,200 KLD capacity
	Location & area of the STP:	Location: Basement , Total Area provided: 1350 m2
	Budgetary allocation (Capital cost):	440 Lakh
	Budgetary allocation (O & M cost):	88 Lakh/y

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction debris: 8,000 m3 and Excavation quantity: 23,000 m3
	Disposal of the construction waste debris:	The construction debris waste will be disposed as per Construction Debris and Demolition Waste Management Rule 2016.
Waste generation in the operation Phase:	**Dry waste:**	2,170 kg/d
	Wet waste:	3,255 kg/d
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	20 m3/day
	Others if any:	Household E-Waste Generation
Mode of Disposal of waste:	**Dry waste:**	Dry garbage will be handed over to authorized recyclers
	Wet waste:	Wet garbage will be composted using Mechanical Composting unit and will be used as organic manure for landscaping.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	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 (if any).
Area requirement:	**Location(s):**	Ground floor / Basement
	Area for the storage of waste & other material:	200 m2
	Area for machinery:	115 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	132 Lakh
	O & M cost:	53 Lakh/y

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	RG area required: 1,491.29 m2 & RG area provided: 2,341.95 m2
	No of trees to be cut :	• Trees on site: 19 Nos. • Trees to be transplant: 12 Nos . • Tress to be retained: 07
	Number of trees to be planted :	235 Nos.
	List of proposed native trees :	As per the list
	Timeline for completion of plantation :	2-4 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	Anthocephalus kadamba	Kadamb	Deciduous tree, large foliage & beautiful tree	35
2	Cassia fistula	Bahava	Medium sized deciduous tree, Beautiful yellow flowers and Butterfly host plant.	36
3	Alstonia scholaris	Satvin	Shady, large evergreen tree, white fragrant flowers	32

4	Pongamia pinnata	Karanj	Shady tree	34
5	Murraya exotica	Kunti	Small, evergreen tree, good for gardens	36
6	Butea Monosperma	Palash	Medium deciduous tree with bright flowers	28
7	Erythrina indica	Pangara	Medium sized deciduous tree. Bright scarlet flowers.	34
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 :**	ADANI/ TATA
	During Construction Phase: (Demand Load)	500 kVA
	DG set as Power back-up during construction phase	500 kVA
	During Operation phase (Connected load):	19.0 MW
	During Operation phase (Demand load):	10.4 MW
	Transformer:	Rehab: 3 x 1000 kVA, Sale: 3 x 1000 kVA
	DG set as Power back-up during operation phase:	Total DG set Capacity: • 1 x 1010 kVA & 1 x 1250 kVA (Sale) • 3 x 750 kVA (Rehab)
	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 to residential flats
• Solar PV panels for common area and landscape area lighting

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total energy saving	22.7 %

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:**	145 Lakhs
	O & M cost:	7.0 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	-	8.5
2	Site sanitation (Toilets)	-	3.5
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	-	3.5
5	Health check-up & first aid	-	3.0
6	Safety Personal Protective Equipment	Helmets, Safety Shoes, Safety Belt, Goggles, Hand Gloves etc.)	12
7	Traffic Management	Sign Boards, Persons at entry exit and Parking area	2.5
8	Safety nets	-	6.5
9	Solid Waste Management & Site maintenance activity	-	2.5
10	Safety - Training to Workers	(Twice in Year), Safety Officer	3.0

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP (Tertiary)	Continuous O & M	440	88
2	Solar PV panels and Solar Hot water System	Weekly	145	7
3	Rain Water Harvesting	During rainy season (Cleaning of RWH tanks and Filtration chamber)	97	5
4	Solid waste Composting plant	Continuous O & M	132	53
5	Landscape development	Daily	21	3

6	Environmental Monitoring	As per the CPCB guidelines through MoEF Approved laboratories	-	8

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:	18.30 m & 13.40 m wide D.P Road
Parking details:	**Number and area of basement:**	1 Basement having area 6,603 m2
	Number and area of podia:	9 podiums (Per Podium area 5,476 m2)
	Total Parking area:	50,410 m2
	Area per car:	35.5 m2
	Area per car:	35.5 m2
	Number of 2-Wheelers as approved by competent authority:	300 Nos.
	Number of 4-Wheelers as approved by competent authority:	Rehab: required – 82 Nos. & provided: 83 Nos. Sale: required – 1,247 Nos. & provided: 1,337 Nos
	Public Transport:	-
	Width of all Internal roads (m):	9 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Project site is located at distance of 3 Km from the boundary of Sanjay Gandhi National Park (SGNP). As per Eco Sensitive Zone notification of SGNP, published by MoEF&CC vide no. S. O. 3645 (E) dated 05.12.2016 our project site falls outside the ESZ area i.e. (100 m).
	Category as per schedule of EIA Notification sheet	8 (b)

	Court cases pending if any	No
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Representative of PP was present during the meeting along with environmental consultant Dr. D. A. Patil, Mahabal Enviro Engg. Pvt. Ltd. PP informed that the project under consideration is SRA project. The total plot area of the project is 30,100.30 Sq. mt. having total construction area 272954.6Sq. mt. (FSI - 1, 34,811.12 Sq. mt.+ NON FSI- 1,38,143.48 Sq. mt.). The building configuration is as follow-

Building Name & number	Number of floors	Height of the building (Mtrs
Comp. Bldg No. 1	Ground + 7 Upper floors	23.80
Comp. Bldgs no. 2 (Wing A_ Rehab)	Ground + 7 Upper floors	23.80
Comp. Bldgs no. 2 (Wing B_ Sale)	Ground + 7 Upper floors	23.80
Comp. Bldgs no. 3 (Wing- A & B _Rehab)	Ground + 21 Upper floors	64.40
Comp. Bldgs no. 3 (Wing- C & D Rehab)	Ground + 23Upper floors	69.90
Comp. Bldgs no. 3 (Wing- E & F Reha	Ground + 23Upper floors	69.90
Comp. Bldgs no. 3 (Wing- G Sale	Ground + 23Upper floors	69.90
Comp. Bldgs no. 3 (Wing- H Sale	Ground + 23Upper floors	69.90
Comp. Bldgs no. 3 (Wing- I Rehab	Ground + 23Upper floors	69.90
Sale Building No.4 (Tower A)	B+G+9P+ Amenity +38 Floor	153.35
Sale Building No.4 (Tower B)	B+G+9P+ Amenity +38 Floor	153.35
Sale Building No.4 (Tower C)	B+G+9P+ Amenity +38 Floor	153.35
Sale Building No.4 (Tower D)	B+G+9P+ Amenity +38 Floor	153.35
Sale Building No.4 (Tower E)	B+G+9P+ Amenity +38 Floor	153.35
Rehab Building No. 5 (Wing- A & B Rehab)	Ground + 23Upper floors	69.90

Committee noted that, the project was directly considered by SEIAA in its 147th Meeting held on 19/12/2018 & decided to refer back to SEAC-2 for appraisal.

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, EIA, form 1, 1A, presentation & plans submitted are taken on the record.

DECISION OF SEAC

After discussion, ToR presented by PP was approved with following additional ToR in the same:

Specific Conditions by SEAC:

2) PP to submit details/reason regarding the expansion.
3) PP to submit the dated architect certificate for construction done on site with building wise configurations.
4) PP to submit latest nall remark.
5) PP to submit the HRC NoC.
6) PP to submit wind analysis, traffic analysis, light and ventilation analysis and measures to reduce heat island effect, shadow analysis reports & measures to reduce heat island effect.
7) PP to submit Contour and slope analysis super imposed with storm water drain, sewer line map in the project and 500 mtr around the project.
8) PP to submit CER as per MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project.
9) PP to also refer standard ToR published by MoEF vide order dated 10/04/15 in addition to above.
10) Committee approved the ToR which is valid upto 7/1/2022.

FINAL RECOMMENDATION

The Committee decided to Grant ToR subject to the above observations,PP requested to prepare and submit EIA report as per EIA Notification, 2006 and amendments thereof.

84th SEAC-2 Meeting

SEAC Meeting number: 84 **Meeting Date** January 7, 2019

Subject: Environment Clearance for Environment Clearance for Proposed Expansion Project of "Regency Antilia" is located on plot bearing S. No. 2, 3, 4, 5, 6, 7, 8, 9, 11, 12, 14, 15, 16, 18, 20, 21 old No.40, 41, 42, 43, 44, 46, 47, 48, 49, 50, 51, 52, 54, 55, 56, 57 & 58 at Village – Mharal, Tal - Ulhasnagar, Dist- Thane, Maharashtra.

Is a Violation Case: No

1.Name of Project	Regency Antilia
2.Type of institution	Private
3.Name of Project Proponent	Mr. ANIL BATHIJA
4.Name of Consultant	Building Environment (India) Pvt.Ltd.
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in existing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	The proposed project has received environmental Clearance dtd. 10th April 2014 for total construction built up area 5,12,640.52 Sq.mt. which cover 13 residential Buildings.
8.Location of the project	on plot bearing S. No. 2, 3, 4, 5, 6, 7, 8, 9, 11, 12, 14, 15, 16, 18, 20, 21 old No.40, 41, 42, 43, 44, 46, 47, 48, 49, 50, 51, 52, 54, 55, 56, 57 & 58 at Village – Mharal, Tal - Ulhasnagar, Dist-Thane, Maharashtra
9.Taluka	Ulhasnagar
10.Village	Mharal
Correspondence Name:	Mr. ANIL BATHIJA; Regency Nirman Ltd
Room Number:	--
Floor:	--
Building Name:	Regency house
Road/Street Name:	Near Aman Cinema opp. Vishnu darshan building, Ulhasnagar.
Locality:	Mharal village
City:	Ulhasnagar
11.Area of the project	Ulhasnagar Municipal Corporation (UMC)
12.IOD/IOA/Concession/Plan Approval Number	The Building plan sanctioned by the Ulhasnagar Municipal Corporation vide letter No. UMC / TP / BP/ 125/13/247 Date : 23.03.2018 CC Copy received from UMC on dated 23.03.2018.
	IOD/IOA/Concession/Plan Approval Number: The Building plan sanctioned by the Ulhasnagar Municipal Corporation vide letter No. UMC / TP / BP/ 125/13/247 Date : 23.03.2018 CC Copy received from UMC on dated 23.03.2018.
	Approved Built-up Area: 143979
13.Note on the initiated work (If applicable)	The proposed project has received environmental Clearance dtd. 10th April 2014 for total construction built up area 5,12,640.52 Sq.mt. which cover 13 residential Buildings. Out of this, 3 residential buildings with one assembly building constructed. Details are as follows. Type A (Wing I & II) – Stilt + Podium + 24 Residential Floors Type C1 (Wing I & II) – Stilt + Podium + 24 Residential Floors Type C2 (Wing III & IV) – Stilt + Podium + 24 Residential Floors Club house (Assembly building) – Stilt + 5 Floors i.e. Till date, construction has been completed is 1, 13, 402. 87 Sq. mt, and it is as per EC.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	TThe Building plan sanctioned by the Ulhasnagar Municipal Corporation vide letter No. UMC / TP / BP/ 125/13/247 Date : 23.03.2018 CC Copy received from UMC on dated 23.03.2018.
15.Total Plot Area (sq. m.)	As per EC: 2,47,700.00 Sq.m; Additional Proposed Development as per new DCR : 2,47,700.00 Sq.m; Total: 2,47,700.00 Sq.m
16.Deductions	As per EC: 110240.00 Sq.m; Additional Proposed Development as per new DCR : 98894.00 Sq.m; Total: 98894.00 Sq.m
17.Net Plot area	As per EC: 1,37,460.00 Sq.m; Additional Proposed Development as per new DCR : 11346 (area of Reservations converted in R zone area.) Sq.m; Total: 1,48,806.00 Sq.m

18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** As per EC: 2,74,592.15 Sq. m; Additional Development as per new DCR FSI area: 1,71,407.85 Sq. m & Total : 4,46,000.00 Sq.mt.
	b) Non FSI area (sq. m.): As per EC: 238048.37 Sq. m; Additional Development as per new DCR: 1,25,51.63 Sq.mt & Total : 2,50,600.00 Sq.mt
	c) Total BUA area (sq. m.): 696600
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 4,46,000.00
	Approved Non FSI area (sq. m.): 2,50,600.00
	Date of Approval: 23-03-2018
19.Total ground coverage (m2)	As per EC: 45,300.00 Sq.m; Additional Development as per new DCR: 30765.00 Sq.m; Total area: 76565.00 Sq. m
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	As per EC: 18.3 %; Additional Development as per new DCR: 12.4 %; Total: 30.9 %
21.Estimated cost of the project	2500000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Type E (E1 & E2):	Stilt + Podium + 25 floors	Max. 90 M
2	Type A (I & II)	Stilt + Podium + 24 floors	Max. 90 M
3	Type A III	Stilt + Podium + 25 floors.	Max. 90 M
4	Type B I	Stilt + Podium + 24 floors.	Max. 90 M
5	Type A IV:	Stilt + Podium + 25 floors.	Max. 90 M
6	Type B III	Stilt + Podium + 25 floors.	Max. 90 M
7	Type C : Building C1	Stilt + Podium + 24 Floors	Max. 90 M
8	Type C : Building C2	Stilt + Podium + 24 Floors	Max. 90 M
9	Type D: D1 Building -	One building with Stilt + Podium + 25 floors.	Max. 90 M
10	D2 Building: -	One building with Stilt + Podium + 25 floors	Max. 90 M
11	D3 Building: -	One building with Stilt + Podium + 25 floors	Max. 90 M
12	Type F: One building with	Stilt + 6 Commercial floors + 20 floors.	Max. 90 M
13	Type C : C3 to C8	- Stilt + Podium + 26 floors	Max. 90 M
14	Type D :	D3 - Stilt + Podium + 25 floors	Max. 90 M
15	Commercial 1	Stilt + 6 Floors	--
16	Commercial 2	--	--
17	Commercial 3	--	--
18	School	G + 4	---
19	Health Centre	G + 3	--
20	Club House (Assembly Building)	--	--

23.Number of tenants and shops	As per EC : Flats: 1680 nos. No. of Shops: 23 nos. No. of Offices: 4 nos. Health center (hospital): 1 No. School: 1 No Club House (assembly building): 1 No. No. of Commercial: 1 Nos. Additional Proposed : Flats: 1384 nos. Commercial 1 : 1 no Commercial 2 : 1 no Commercial 3 : 1 no Total: Flats: 3064 nos. Commercial 1 : 1 no Commercial 2 : 1 no Commercial 3 : 1 no Health centre (hospital): 1 No. School: 1 No. Club House (assembly building): 1 No.
24.Number of expected residents / users	As per EC : Flats occupancy- 10080 Nos Commercial/Shops- 474 Nos School-100 Nos Club House (assembly building)-80 Nos Health centre (Hospital)-170 Nos Total occupancy- 10,904 Nos. Additional Proposed : Flats occupancy- 8304 Nos. Commercial 1 occupancy: 1206 No Commercial 2 occupancy: 558 No Commercial 3 occupancy: 48 No Total – 10116 Nos. Total Occupancy: Flats occupancy- 18384 Nos. Commercial 1 occupancy: 1680 No Commercial 2 occupancy: 558 No Commercial 3 occupancy: 48 No Club House
25.Tenant density per hectare	As per EC: 123.8 / hec Proposed: 226 / hec
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	36 M wide Kalyan Ahmednagar Road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Min 9 .00 M
29.Existing structure (s) if any	There were no existing structure prior to EC.
30.Details of the demolition with disposal (If applicable)	Not Applicable

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	Ulhasnagar Municipal Corporation (UMC)
	Fresh water (CMD):	1748.7
	Recycled water - Flushing (CMD):	894.6
	Recycled water - Gardening (CMD):	189.8
	Swimming pool make up (Cum):	--
	Total Water Requirement (CMD) :	2833.1
	Fire fighting - Underground water tank(CMD):	--
	Fire fighting - Overhead water tank(CMD):	--
	Excess treated water	--
Wet season:	**Source of water**	Ulhasnagar Municipal Corporation (UMC) and Rain Water Harvesting
	Fresh water (CMD):	1748.7
	Recycled water - Flushing (CMD):	894.6
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	--
	Total Water Requirement (CMD) :	2643.3
	Fire fighting - Underground water tank(CMD):	--
	Fire fighting - Overhead water tank(CMD):	--
	Excess treated water	--
Details of Swimming pool (If any)	Not applicable	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	2–4 M below ground level
	Size and no of RWH tank(s) and Quantity:	Proposed: 7 no. of RWH Tank Zone 1(7 Nos. of buildings) : 1 RWH tank of capacity 545 KLD Zone 2 (4 nos. of buildings) : 1 RWH Tank of capacity 250 KLD Zone 3 (3 nos. of buildings) : 1 RWH Tank of capacity 311 KLD Zone 4 (6 nos. of buildings) : 1 RWH Tank of capacity 225 KLD Commercial : 1 RWH Tank of capacity 908 KLD Health centre (Hospital): 1 RWH Tank of capacity 61 KLD School: 1 RWH Tank of capacity 52 KLD
	Location of the RWH tank(s):	Underground Level
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	279.00 Lacs
	Budgetary allocation (O & M cost) :	30.00 Lacs
	Details of UGT tanks if any :	Location of UGT tanks: Underground Level
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, UMC
	Quantity of storm water:	--
	Size of SWD:	600 mm wide with 1:300 slope There are 2 SWD. Both existing nallahs prior to construction.
Sewage and Waste water	**Sewage generation in KLD:**	As per EC : Sewage Generation: 1208 KLD; Proposed : Sewage Generation: 2264 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	Total 5 Nos. of STP. Residential: 2 no. of STP having capacity 2155 KLD, Health center(hospital) : 1 no. of STP of capacity 15 KLD, School: 1 no. of STP of capacity 10 KLD & Commercial: 1 no. of STP of capacity 100 KLD each.
	Location & area of the STP:	On Ground
	Budgetary allocation (Capital cost):	500.00 Lacs
	Budgetary allocation (O & M cost):	120.00 Lacs /year

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Waste generation: Total 13139.96 Cum waste will be generated.
	Disposal of the construction waste debris:	The construction waste generated will reused onsite for filling and back filling purpose.
Waste generation in the operation Phase:	**Dry waste:**	Residential : • Dry waste (Kg/day): 3677 Kg/day. Commercial/ Shops: • Dry waste (Kg/day): 400 Kg/day. School: • Dry waste (Kg/day): 10 Kg/day. Club House (assembly building): • Dry waste (Kg/day): 16 Kg/day. Health centre (hospital Staff): • Dry waste (Kg/day): 26 Kg/day.
	Wet waste:	Residential : Wet waste (Kg/day): 5515 Kg/day. Commercial/ Shops: Wet waste (Kg/day): 171 Kg/day. School: Wet waste (Kg/day): 5 Kg/day. Club House (assembly building): Wet waste (Kg/day): 24 Kg/day. Health centre (hospital Staff): Wet waste (Kg/day): 11 Kg/day.
	Hazardous waste:	Hazardous waste (Kg/month): 0.5 Kg/month
	Biomedical waste (If applicable):	Infectious Waste : 8.5 Kg/day Non Infectious Waste : 1.0 Kg/day
	STP Sludge (Dry sludge):	70 Kg/day.

Mode of Disposal of waste:	**Dry waste:**	Handed over to UMC.
	Wet waste:	OWC & used at site / as manure
	Hazardous waste:	Shall be handed over to authorized common hazardous waste disposal site
	Biomedical waste (If applicable):	Shall be handed over to authorized vendor
	STP Sludge (Dry sludge):	Used as manure within the premises for plants. Excess shall be sold /handover to outside parties or gardens.
	Others if any:	---
Area requirement:	**Location(s):**	On Ground
	Area for the storage of waste & other material:	Curing system area, Raw material area , Area of the dust bin : Residential- 225 sq.mt, Commercial - 28.4 sq.mt
	Area for machinery:	Area of the OWC converter: Residential- 17 sq.mt, Commercial - 12 sq.mt
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	60.00 Lacs
	O & M cost:	39.00 Lacs

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

42.Mode of Transportation of fuel to site	Not applicable

43.Green Belt Development	**Total RG area :**	On ground = 15000 On podium- 22950
	No of trees to be cut :	Nil
	Number of trees to be planted :	1750 nos.
	List of proposed native trees :	Bakul, Bahava, Parijatak, Apta, Sita Asoka, Palm, Drumstick, Soanchaffa, Neem Tree
	Timeline for completion of plantation :	3 Year

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Bakul	Mimusops elengi	40	Shady giving tree, small white fragrant flowers
2	Parijatak	Nyctanthes arbor-tristis	30	Small deciduous fast growing tree, beautiful flowers
3	Bahava	Cassia fistula	25	Medium sized deciduous tree Beautiful yellow flowers, Butterfly host plant
4	Apta	Bauhinia racemosa	40	Small tree with small white flowers, Butterfly host plant
5	Sita Asoka	Saraca asoka	87	Shade giving tree with Red-Yellow Flowers
6	Udumbara	Ficus racemosa	10	Medicinal importance, fruiting tree
7	Palm	Areca sp.	35	Ornamental
8	Soanchaffa	Michellia champaca	40	Ornamental
9	Drumstick	Moringa oleifera	40	Medicinal properties, edible fruits
10	Jamun	Syzygium cumini	24	Edible fruits
11	Jamun	Syzygium cumini	24	Edible fruits
12	Neem Tree	Azadirachta Indica	40	Medicinal properties
13	Aal tree	Morinda citrifolia	25	Medicinal properties
14	Ashoka Tree	Saraca asoca	40	Ornamental
15	Wild Date Palm	Phoenix sylvestris	27	Ornamental
16	Ber	Zizyphus mauritiana	20	Edible fruits
17	Vavla	Holoptelia integrifolia	30	Edible fruits
18	Umbar	Ficus glomerata	40	Medicinal properties
19	Trincomali wood	Berrya cordifolia	30	Shade giving tree
20	Tree Lettuce	Pisonia alba	20	Shade giving tree
21	Silk Cotton	Bombax ceiba	30	Ornamental
22	Coconut Tree	Cocos nucifera	35	Edible fruits with Medicinal properties
23	Christmas Tree	Araucaria sp.	27	Ornamental
24	Parijatak	Nyctanthes arbor-tristis	45	Shade giving tree with fragrant White Flowers
25	Wild Date Palm	Phoenix sylvestris	27	Ornamental

45.Total quantity of plants on ground	

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

Serial Number	Name	C/C Distance	Area m2
1	Coral Creeper	--	--
2	Adulsa	--	--
3	White plumbago (Chitrak)	--	--
4	Kusar/Ran jai	--	--
5	Krushna kamal	--	--
6	Bougainvillea	--	--

47.Energy

Power requirement:	**Source of power supply :**	MSEB
	During Construction Phase: (Demand Load)	--
	DG set as Power back-up during construction phase	--
	During Operation phase (Connected load):	Residential: Connected Load : 15428 kw; Commercial: Connected Load : 396 kw; Total: Connected Load :15824 KW
	During Operation phase (Demand load):	Residential: Maximum Demand : 9859 kw ; Commercial: Maximum Demand : 311 kw; Total: Maximum Demand : 10170 KW
	Transformer:	--
	DG set as Power back-up during operation phase:	For zone 1 (7 Nos. of buildings): 1 DG set with 380 Kva capacity. For zone 2 (4 nos. of buildings): 1 DG set with 320 Kva capacity. For zone 3 (3 nos. of buildings): 1 DG set with 320 Kva capacity. For Zone 4 (6 nos. of buildings): 1 DG set with 380 Kva capacity. For Commercial: 1 DG set with 320 Kva capacity. For health centre: 1 DG set with 140 Kva capacity. For School: 1 DG set with 30 Kva capacity.
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	--

48.Energy saving by non-conventional method:

? Total hot water requirement met through Centralized solar system.
? 60% lighting including for Road, Landscape & garden shall be kept on solar system.
? Also other Lights provided on Energy saving luminaries like LED instead of metal halide lamps
? Provided with Time switch to be kept operational only during night mode
? For Lobby, use of LED would ensure power density of less than 1.3w/sq ft
? 60% of Lobby & Staircase Lights shall be put on Solar PV Panels
? All motors used in pumps of services shall be of class 1 category that would give better efficiency (60%+)& less losses
? Energy Meters for External Lighting, all water Pumps
? Electrical cables of derated capacity to avoid heating during working thereby saving the current losses

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Residential :	Total Energy saving 6 % & by solar 4.4 %

2	Commercial:	Total Energy saving 8 % & by solar 4.6 %

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 338.00 Lacs
	O & M cost:	Rs 61.00 Lacs/annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	--	Water spray for dust suppression	5.0
2	--	Site sanitation and Potable Water Supply to Labour	10.0
3	--	Environmental Monitoring (As per the CPCB guidelines through MoEF Approved laboratories)	4.0
4	--	Health check-up & first aid	5.0
5	--	Safety Personal Protective Equipment (Helmets, Safety Shoes, Safety Belt, Googles, Hand Gloves, Safety nets etc.)	18.0
6	--	Traffic Management (Sign Boards, Persons at entry exit and Parking area)	4.0
7	--	Storm water Management (SWD along plot boundary and Sedimentation Pits)	4.0
8	--	Safety Training to Workers (Twice in Year), Safety Officer	8.0
9	--	Disinfection	3.0
10	--	Debris & construction waste	25.50
11	--	DMP Team	15.0
12	--	Total Cost	251.11

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP	--	500	120

2	Rain water harvesting + Water Treatment Plant	--	279	30
3	Solid Waste Management	--	60	39
4	Energy Saving	--	338	61
5	Gardening & Landscaping	--	120	12
6	DMP	--	90.80	25.00
7	---	Total	136.78	283.00

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	One
Parking details:	**Number and area of basement:**	Nil
	Number and area of podia:	Residential ,commercial and central podium area : 46,000 sq. m
	Total Parking area:	49500.00 sq. m
	Area per car:	13.75 Sq.m.
	Area per car:	13.75 Sq.m.
	Number of 2-Wheelers as approved by competent authority:	6490 Nos.
	Number of 4-Wheelers as approved by competent authority:	3703 Nos.
	Public Transport:	NA
	Width of all Internal roads (m):	6 – 9 M
	CRZ/ RRZ clearance obtain, if any:	Not Applicable

	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	Category 8(b)
	Court cases pending if any	Nil
	Other Relevant Informations	--
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

PP Mr. Anil Bathija 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 in existing project with* total plot area of the project is 2,47,700.00 Sq. mt. having total construction area 696600Sq. mt. (FSI - 4,46,000.00Sq. mt.+ NON FSI- 2,50,600.00 Sq. mt.) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Type E (E1 & E2):	Stilt + Podium + 25 floors	90
Type A (I & II)	Stilt + Podium + 24 floors	90
Type A III	Stilt + Podium + 25 floors	90
Type B I	Stilt + Podium + 24 floors	90
Type A IV:	Stilt + Podium + 25 floors	90
Type B III	Stilt + Podium + 25 floors	90
Type C : Building C1	Stilt + Podium + 24 floors	90
Type C : Building C2	Stilt + Podium + 24 floors	90
Type D: D1 Building -	One building with Stilt + Podium + 25 floors	90
D2 Building: -	One building with Stilt + Podium + 25 floors	90
D3 Building: -	One building with Stilt + Podium + 25 floors	90
Type F: One building with	Stilt + 6 Commercial floors + 20 floors	90
Type C : C3 to C8	Stilt + Podium + 26 floors	90
Type D :	D3 - Stilt + Podium + 25 floors	90
Commercial 1	Stilt + 6 Floors	
Commercial 2	-----	
Commercial 3	-----	
School	G+4	
Health center	G+3	
Club House(Assembly Building)	------	

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, EIA, synopsis of compliances, form 1, 1A, presentation & plans submitted are taken on the record

DECISION OF SEAC

Committee noted that, ToR for the said project was received from MoEF &CC vide letter dated 14/8/2017. Committee also noted that, neither the approval from local authority for the proposed expansion to the extent of total BUA 696600 Sq.mt is obtained nor the plan for same is submitted to the local planning authority. ***In view of above, the proposal is deferred and shall be appraised only after the submission of acknowledgement copy of plans submitted to local Authority.***

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

84th SEAC-2 Meeting

SEAC Meeting number: 84 **Meeting Date** January 7, 2019

Subject: Environment Clearance for Expansion of Proposed Amalgamation of SRA Scheme 33(11) On Property bearing C.T.S No. 401, 402, 415 to 438 & 395,396,397,398. of Village Bandra,H ward, S.V.Road,Santacruz (w),Mumbai by M/s Sumer Buildcorp Pvt Ltd

Is a Violation Case: No

1.Name of Project	Expansion of Proposed Amalgamation of SRA Scheme 33(11) by M/s Sumer Buildcorp Pvt Ltd
2.Type of institution	Private
3.Name of Project Proponent	M/s Sumer Buildcorp Pvt Ltd.
4.Name of Consultant	M/s. Enviro Analysts & Engineers Pvt. Ltd.
5.Type of project	SRA Scheme 33(11)
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in existing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	EC received vide letter no.SEAC 2013/CR-124/TC-2 dated 14.05.2013 for construction area 1,15,610.18 sqm
8.Location of the project	Property bearing C.T.S No. 401, 402, 415 to 438 & 395,396,397,398. of Village Bandra,H ward, S.V.Road,Santacruz (w),Mumbai
9.Taluka	Santacruz
10.Village	Santacruz
Correspondence Name:	M/s. Sumer Buildcorp Pvt Ltd
Room Number:	203
Floor:	203, A Wing
Building Name:	Peninsula Corporate Park
Road/Street Name:	Ganpatrao Kadam Marg
Locality:	Lower Parel
City:	Mumbai
11.Area of the project	(MCGM) Municipal Corporation of Greater Mumbai
12.IOD/IOA/Concession/Plan Approval Number	IOA received form SRA
	IOD/IOA/Concession/Plan Approval Number: IOA received vide letter no. SRA/DDTP/666/HW/PL/AP dated 22.05.2017
	Approved Built-up Area: 169207.74
13.Note on the initiated work (If applicable)	16,550.00 sqm of total construction area is constructed on site.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	LOI received from SRA vide letter no. SRA/DDTP/220/HW/PL/LOI dated 09.05.2017 ,CC Received dated 22.05.2017 ,Consent to Establish Received dated 23.08.2013, Civil Aviation Received dated 03.02.2016, CFO NOC Received dated 24.10.2016, SWD remarks Received dated 02.04.2013 ,HE NOC Received dated 28.06.2016 ,Traffic NOC Received dated 06.06.2012 Tree NOC Received dated 13.07.2016
15.Total Plot Area (sq. m.)	26099.4 sqm
16.Deductions	Deductions 1404.91 sqm (Road Setback Area/Existing Road Area= 714.24 sqm R.G. Reservations Area = 690.67 sqm)
17.Net Plot area	24694.49 sqm
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 1,40,936.76
	b) Non FSI area (sq. m.): 1,26,548.80
	c) Total BUA area (sq. m.): 267485.56
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 49,933.13
	Approved Non FSI area (sq. m.): 1,19,274.61
	Date of Approval: 22-05-2017
19.Total ground coverage (m2)	8750.75

20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	33.52%
21.Estimated cost of the project	9950000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Comp.Bldg1 (Wing-A)-club House	(6 level of Mechanical Parking+ Gr. Flr+ 8 Upper.Flr) + Residential(13th To 20th Flr.)	64.64 m
2	Comp.Bldg1(wing B&C)	4 Basement + Gr.Flr + 1st To 9th Floors (PTC) + 10th Floor To 20th(sale)	64.64 m
3	Comp.Bldg 2	4 Basement + Gr.Flr + 1st To 6th Floors (PTC) + 7th To 19th Floors(sale)	64.64 m
4	Comp.Bldg 3	4 Basement + Gr.Flr + 1st To 6th Floors (PTC) + 7th To 19th Floors(sale)	64.64 m
5	Comp.Bldg 4	4 Basement + Gr.Flr + 1st To 6th floors (PTC) + 7th To 18th Floors (sale)	64.64 m
6	Comp.Bldg 5A	4 Basement + Gr.Flr + 1st To 18th(sale)	64.64 m
7	Comp.Bldg 5B	4 Basement + Gr.Flr + 1st To 18th(sale)	64.64 m

23.Number of tenants and shops	PTC-Residential- 952 nos Amenity- 39 nos Sale- 419 nos Total – 1410 nos
24.Number of expected residents / users	PTC-1904 nos Sale-4343 nos total- 6247 nos
25.Tenant density per hectare	527 Tenants/hector
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Access from 27.45 M. Wide Swami Vivekanand Road & 18.30 M. Wide Hasanabad Road No. 2
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.00 m wide Turning Radius
29.Existing structure (s) if any	Only 4 nos of G/St.+2 buildings on the amalgamated plot is to be demolished
30.Details of the demolition with disposal (If applicable)	Demolition will be done as per the Debris management plan and following the C& D rule 2016

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 / treated water from STP
	Fresh water (CMD):	PTC-171 KLD Sale- 319 KLD total – 490 KLD
	Recycled water - Flushing (CMD):	PTC-86 KLD Sale-157 KLD total- 243 KLD
	Recycled water - Gardening (CMD):	27 KLD
	Swimming pool make up (Cum):	49 KLD
	Total Water Requirement (CMD) :	760 KLD
	Fire fighting - Underground water tank(CMD):	800 cum
	Fire fighting - Overhead water tank(CMD):	225 cum
	Excess treated water	301 KLD
Wet season:	**Source of water**	MCGM/RWH/ treated water from STP
	Fresh water (CMD):	PTC-171 KLD Sale- 319 KLD total – 490 KLD
	Recycled water - Flushing (CMD):	PTC-86 KLD Sale-157 KLD total- 243 KLD
	Recycled water - Gardening (CMD):	0 KLD
	Swimming pool make up (Cum):	49 KLD
	Total Water Requirement (CMD) :	733 KLD
	Fire fighting - Underground water tank(CMD):	800 cum
	Fire fighting - Overhead water tank(CMD):	225 cum
	Excess treated water	328 KLD
Details of Swimming pool (If any)	Lap pool of Size 49.81 X 10.82 X 1.76 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:**	3.65m to 6.0 m BLG
	Size and no of RWH tank(s) and Quantity:	Comp.Bldg1(wing A) = 50 cum Comp.Bldg1(wing B & C) = 55 cum Comp.Bldg 2 = 55 cum Comp.Bldg 3 = 55 cum Comp.Bldg 4 = 45 cum Comp.Bldg 5 =42 cum Total-302 cum (2 day holding Capacity)
	Location of the RWH tank(s):	Basement
	Quantity of recharge pits:	Nil
	Size of recharge pits :	Nil
	Budgetary allocation (Capital cost) :	Rs 30.20 lakhs
	Budgetary allocation (O & M cost) :	Rs 1.50 lakhs
	Details of UGT tanks if any :	Domestic -524 cum Flushing -254 cum Fire=800 cum RWH- 302 cum Location – basement
35.Storm water drainage	**Natural water drainage pattern:**	From east to west
	Quantity of storm water:	1.45 m3/sec
	Size of SWD:	0.60 m x 1.79 m
Sewage and Waste water	**Sewage generation in KLD:**	635 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	5 STP of cumulative capacity of 640 KLD
	Location & area of the STP:	At Basement level
	Budgetary allocation (Capital cost):	Rs 133.00 lakhs
	Budgetary allocation (O & M cost):	Rs 20.00 lakhs
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Excavated material, Cement Bags , Paint container (@20L), Scrap metal generated, Broken Tiles
	Disposal of the construction waste debris:	Excavated material Shall be used entirely on site for backfilling and for internal roads. Excess shall be disposed to authorized landfills Cement Bags Empty bags to be handed over to recycler. Paint container (@20L) To be handed over to recycler. Scrap metal generated Entirely to be sold for recycling Broken Tiles Waste tiles to be used for skirting. Broken pieces to be used for china mosaic waterproofing of terraces
Waste generation in the operation Phase:	**Dry waste:**	PTC– 381 Kg/day sale- 855 kg/day total- 1236 kg/day
	Wet waste:	PTC– 571 Kg/day sale- 1172 kg/day total-1743 kg/day
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	30 Kg/day
	Others if any:	E- waste will be handed over to authorized ECMPCB dealers

Mode of Disposal of waste:	**Dry waste:**	To be hand over to Local Recyclers for recycling
	Wet waste:	To be processed in the OWC. Manure obtained shall be used for landscaping / Gardening, Excess manure shall be sold to nearby end users.
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	To be used as a manure
	Others if any:	E- waste will be handed over to authorized ECMPCB dealers
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	100 sqm
	Area for machinery:	3.00 sqm for each machine
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs 30.00 lakhs
	O & M cost:	Rs 6.00 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 :**	Total RG Required- 1975.55 sqm (8%) Total RG area proposed – 1975.55 sqm (8%) DP reservation- 690.67 sqm
	No of trees to be cut :	Cutting -71 nos Transplant -170 nos as per Tree NOC
	Number of trees to be planted :	482 nos
	List of proposed native trees :	Same as below
	Timeline for completion of plantation :	By the end of construction phase

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Careya arborea	Kumbha	47	Deciduous and spectacular flowering
2	Butea monosperma	Flame-of-the-forest	52	Deciduous and spectacular flowering
3	Ficus Glomerata	Umbar	34	Evergreen and showy foliage
4	Cassia fistula	Amaltas, Golden shower tree	54	Deciduous and spectacular flowering
5	Azadirecta Indica	Neem	35	Medicinal properties
6	Cocos Nucifera	Coconut	12	Fruit bearing
7	Plumeric alba	Chafa	20	Shadey
8	Saraca Indica	Sita Ashok	50	Evergreen and spectacular flowering
9	Terminalia arjuna	Arjun tree	51	Evergreen and showy foliage and bark
10	Anthocephalns cadamba	Kadamb	56	Deciduous and showy foliage
11	Phallantus umblica	Avala	34	Fruit bearing
12	Lagertronea tharlli	Taman	37	Ornamental
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	TATA/ Adani Power
	During Construction Phase: (Demand Load)	100 kW
	DG set as Power back-up during construction phase	200 kVA
	During Operation phase (Connected load):	13057 kW
	During Operation phase (Demand load):	6913 kW
	Transformer:	1600 kVA-2 No. 1000 kVA-3 No. 1250 kVA-2 No .1500 kVA-1 No.
	DG set as Power back-up during operation phase:	2 x 1600 kVA, 1 x 500 kVA, 4 x 380 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Landscape Lighting (LED Lighting instead of Normal)
Basements, Stilt floors, Podium floor, lobby area (T5 instead of T8 & LED instead of CFL)
VFD's on Lifts
External Lighting (Solar as well LED instead of Metal Halide)

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Overall savings	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:**	Rs 85.00 lakhs
	O & M cost:	Rs 5.00 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	Air Environment	Water Sprinkling, Green Belt Development	20.00
2	Noise Environment	Noise Baricades and Green Belt	10.00
3	Water Environment	Modular STP , Drainage with sedimentation tanks	6.00

4	Good Health Practices	Site Sanitation & Health Care	4.00
5	Environment Monitoring	Air,water,noise soil monitoring during construction phase	1.50

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Rain Water Harvesting	RWH tanks	30.20	1.50
2	Solid waste management	OWC	30.00	6.00
3	Wastewater management	STP	133.00	20.00
4	Energy savings	Solar & LED	85.00	5.00
5	Green belt	Landscaping	90.00	18.00

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Access from 27.45 M. Wide Swami Vivekanand Road & 18.30 M. Wide Hasanabad Road No. 2 (5 nos of entry /exit)

Parking details:	**Number and area of basement:**	4 no's (88462.28 sqm)
	Number and area of podia:	nil
	Total Parking area:	88462.28 sqm
	Area per car:	35.15 qm
	Area per car:	35.15 qm
	Number of 2-Wheelers as approved by competent authority:	464 nos.
	Number of 4-Wheelers as approved by competent authority:	1856 nos.
	Public Transport:	Not applicable
	Width of all Internal roads (m):	all internal driveways minimum 6.00 m wide
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable
	Category as per schedule of EIA Notification sheet	8(b) B1
	Court cases pending if any	Not applicable
	Other Relevant Informations	The project has received ToR in 61st SEAC II meeting.
	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

Representative of PP Ms. Purvi Somaiya & Architect Mr. Ketan Mehta were present during the meeting along with environmental consultant M/s. Enviro Analysts & Engineers Pvt. Ltd.

PP informed that, the project under consideration is *proposed Expansion in existing project.* The total plot area of the project is 26099.4 Sq. mt. having total construction area 267485.56Sq. mt. (FSI - 1,40,936.76 Sq. mt.+ NON FSI- 1,26,548.80 Sq. mt.) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Comp.Bldg1 (Wing-A)-club House	(6 level of Mechanical Parking+ Gr. Flr+ 8 Upper.Flr) + Residential(13th - 20th Flr.)	64.64
Comp.Bldg1(wing B&C)	4 Basement + Gr.Flr + 1st To 9th Floors (PTC) + 10th Floor To 20th(sale)	64.64
Comp.Bldg 2	4 Basement + Gr.Flr + 1st To 6th Floors (PTC) + 7th To 19th Floors(sale)	64.64
Comp.Bldg 3	4 Basement + Gr.Flr + 1st To 6th Floors (PTC) + 7th To 19th Floors(sale)	64.64
Comp.Bldg 4	4 Basement + Gr.Flr + 1st To 6th floors (PTC) + 7th To 18th Floors (sale)	64.64
Comp.Bldg 5A	4 Basement + Gr.Flr + 1st To 18th(sale)	64.64
Comp.Bldg 5B	4 Basement + Gr.Flr + 1st To 18th(sale	64.64

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 (B2) category of EIA Notification, 2006. Consolidated statements, synopsis of compliances, form 1, 1A, presentation & plans submitted are taken on the record.

DECISION OF SEAC

During meeting it is noticed that PP has submitted two applications with UID- SEIAA-STATEMENT-0000000958 & SEIAA-STATEMENT-0000001745. It is an attempt to jump the chronology. PP & Environment consultant agreed to withdraw application vide SEIAA-STATEMENT-0000001745 and continue further with his application vide UID SEIAA-STATEMENT-0000000958. PP also agreed to submit in writing that they will not do such things again. Considering this, committee defers the project proposal & it will be only considered after submission of above compliance.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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