Agenda of 93rd Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 93rd **Meeting Date** March 26, 2019

Subject: Environment Clearance for Environment Clearance for proposed Residential and Commercial project at Village Sarang & Vehale, Taluka Bhiwandi, District Thane by Xrbia Warai Developers Pvt. Ltd.

Is a Violation Case: No

1.Name of Project	Proposed Residential and Commercial project at Village Sarang & Vehale, Taluka Bhiwandi, District Thane by Xrbia Warai Developers Pvt. Ltd. & 4 others (Sujitkumar Jitpratap Singh, Homeway Landmark LLP, Ashish Vijay Bhansali, Vijay Motilal Bhansali)
2.Type of institution	Private
3.Name of Project Proponent	Xrbia Warai Developers Pvt. Ltd. & 4 Others (Sujitkumar Jitpratap Singh, Homeway Landmark LLP, Ashish Vijay Bhansali, Vijay Motilal Bhansali)
4.Name of Consultant	Mahabal Enviro Engineers Pvt. Ltd., F-7, Road No. 21, Wagle Estate, Thane (West)-400604
5.Type of project	Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Land bearing Gat no. 12/1, 12/3/a, 12/3/b, 13/4, 13/13, 14/3, 13/3,13/12, 14/5 of Village Vehale and 52, 53/1, 53/8, 53/5, 53/6, 54/1, 49/5, 49/12, 49/6, 53/4, 53/2, 49/10, 53/3, 53/7, 53/9 of Village Sarang, Taluka Bhiwandi, District Thane.
9.Taluka	Bhiwandi
10.Village	Sarang & Vehale
Correspondence Name:	Mr. Veer Bharati Kouls (Authorized Person for Correspondence)
Room Number:	929
Floor:	1st Floor
Building Name:	Mantri House
Road/Street Name:	FC Road
Locality:	Pune
City:	Pune
11.Area of the project	Mumbai Metropolitan Region Development Authority (MMRDA)
12.IOD/IOA/Concession/Plan Approval Number	Received IOD vide no. SROT/BSNA/2501/BP/Sarang-Vehale-01/2546/2018 dated 27.12.2018
	IOD/IOA/Concession/Plan Approval Number: Received IOD vide no. SROT/BSNA/2501/BP/Sarang-Vehale-01/2546/2018 dated 27.12.2018
	Approved Built-up Area: 128472
13.Note on the initiated work (If applicable)	No work has been initiated as it is a new project
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	55,800 m2
16.Deductions	Total deductions 3,290 m2 (Road widening (45 m) : 2,443 m2 , Proposed railway line-847 m2)
17.Net Plot area	52,420 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 73,875 m2
	b) Non FSI area (sq. m.): 54,597 m2
	c) Total BUA area (sq. m.): 128472
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 73,875 m2
	Approved Non FSI area (sq. m.): 54,597 m2
	Date of Approval: 27-12-2018
19.Total ground coverage (m2)	9,683.06 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	18.47 % of total net plot area

21.Estimated cost of the project	2070000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building A1	P + 22 floors	66.70
2	Building B1	P + 17 floors	52.45
3	Building B2	P + 17 floors	52.45
4	Building B3	P + 17 floors	52.45
5	Building C1	P + 21 floors	63.85
6	Building D1	G + 1 floor + 20 parking floors	66.30

23.Number of tenants and shops	1. Total number of tenements - 3,157 nos. 2. Total number of shops - 50 nos.
24.Number of expected residents / users	Total population - 12,295 nos. (Residential population - 12,145 nos., Commercial population – 150 nos.)
25.Tenant density per hectare	602 tenants/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)	45 m wide DP road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Internal road - 12 m & Turning radius - 9 m
29.Existing structure (s) if any	Not applicable
30.Details of the demolition with disposal (If applicable)	Not applicable

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	S.T.E.M, Thane
	Fresh water (CMD):	1,097
	Recycled water - Flushing (CMD):	549
	Recycled water - Gardening (CMD):	103
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	1,646
	Fire fighting - Underground water tank(CMD):	As per Fire NOC
	Fire fighting - Overhead water tank(CMD):	As per Fire NOC
	Excess treated water	575
Wet season:	**Source of water**	S.T.E.M, Thane
	Fresh water (CMD):	1,097
	Recycled water - Flushing (CMD):	549
	Recycled water - Gardening (CMD):	51
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	1,646
	Fire fighting - Underground water tank(CMD):	As per Fire NOC
	Fire fighting - Overhead water tank(CMD):	As per Fire NOC
	Excess treated water	626
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:**	Summer season -18.40 m to 24.00 m below ground level (21.20 m below ground level average), Rainy season - 8.80 m to 13.00 m below ground level (10.90 m below ground level average), Winter season - 13.60 m to 18.50 m below ground level (16.05 m below ground level average)
	Size and no of RWH tank(s) and Quantity:	Not applicable
	Location of the RWH tank(s):	Not applicable
	Quantity of recharge pits:	11 nos. of recharge pits
	Size of recharge pits :	2 m x 2 m x 2 m
	Budgetary allocation (Capital cost) :	Rs.20 Lakh
	Budgetary allocation (O & M cost) :	Rs.4 Lakh/Year
	Details of UGT tanks if any :	1. Domestic UG tank capacity - 1,097 m3 2. Flushing UG tank capacity - 550 m3 3. Fire UGT tank capacity - As per Fire NOC
35.Storm water drainage	**Natural water drainage pattern:**	As per contour
	Quantity of storm water:	32.27 m3/min
	Size of SWD:	Pipe and chamber network diameter 150, 200, 250, 300, 450 mm
Sewage and Waste water	**Sewage generation in KLD:**	1,400 m3/day
	STP technology:	Moving Bed Biofilm reactor (MBBR)
	Capacity of STP (CMD):	1 no. of STP having capacity 1,469 m3/day
	Location & area of the STP:	Location - On ground (South side of the project), Area of STP - 700 m2
	Budgetary allocation (Capital cost):	Rs.115 Lakh
	Budgetary allocation (O & M cost):	Rs.32 lakh /Year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	The total excavation quantity is 16,580 m3
	Disposal of the construction waste debris:	The debris will be stored in amenty space & will be used for landscaping purpose.
Waste generation in the operation Phase:	**Dry waste:**	1,433 kg/day
	Wet waste:	2,204 kg/day
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	99 kg/day
	Others if any:	E-waste - 37 kg/day

Mode of Disposal of waste:	**Dry waste:**	Dry garbage will be segregated & disposed of to recyclers.
	Wet waste:	Wet garbage will be treated by using Organic waste converter machine
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Dry sludge can be used as manure for plantation & gardening purposes inside the premise.
	Others if any:	E-waste authorized hazardous waste management agencies..
Area requirement:	**Location(s):**	On ground
	Area for the storage of waste & other material:	200 m2
	Area for machinery:	55 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.30 Lakh
	O & M cost:	Rs.3 Lakh/year

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	13,342.20 m2
	No of trees to be cut :	19 nos. of trees will be cut/transplanted
	Number of trees to be planted :	698 nos.
	List of proposed native trees :	Provided
	Timeline for completion of plantation :	6 to 9 months after completion of Civil Works.

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Albizzia Lebbek	Shirish	22	Shady tree with yellowish green fragrant flowers
2	Artocarpus heterophyllus	Fanas	46	Shady tree, arrests soil erosion
3	Azadirachta indica	Neem/ Kadunimb	38	Hardy, drought resistant Medicinal Tree
4	Bauhinia purpurea	Apata /Kanchan	28	Butterfly-host tree
5	Cassia fistula	Bhava	24	Drought-resistant, Shady Tree
6	Dalbergia Sisoo	Sisoo/ Shisham	27	Drought-resistant, Shady Tree
7	Lagerstroemia Flosreginae	Tamhan	33	Hardy, Shady, Ornamental Tree
8	Mangifera Indica	Mango/ Amba	93	Fruits attract birds and butterflies
9	Michelia Champaka	Piwala Chapha	15	Butterfly Host Plant
10	Mutingia Calabaura	Cherry	94	Fruits attract Birds and Butterflies
11	Pterospermum Acerifolium	Muchkund	37	Quick growing tree
12	Pongamia Pinnata	Karanj	20	Shade-giving tree
13	Saraca Indica	Sita Ashok	60	Shade-giving tree
14	Syzgium Cumini	Jamun/ Jambhul	99	Shady Tree, fruits attract birds and butterflies
15	Tamarindus Indica	Imli/ chinch	62	Shady tree, fruits attract birds and butterflies
16	Total No of Trees	-	698	-
17	Existing Trees	-	10 nos. (to retained) + 19 nos. (to be cut/transplanted) = 29 nos.	-
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	Maharashtra State Electricity Distribution Company Ltd. (MSEDCL)
	During Construction Phase: (Demand Load)	100 kW
	DG set as Power back-up during construction phase	1 no. x 125 kVA
	During Operation phase (Connected load):	4,540 kW
	During Operation phase (Demand load):	3,766 kW
	Transformer:	6 nos. x 630 kVA
	DG set as Power back-up during operation phase:	1 no. x 400 kVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	Not applicable

48.Energy saving by non-conventional method:

? LED lights, VFD and APFC Panel in Lifts, Water pumps for non-conventional
? Solar hot water systems for residential building.
? Solar panel lights will be installed for common facilities wherever possible.
? Solar street lights are proposed for common area such as open spaces, pathways, RG etc. for the conventional method.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Energy Saving from LED Lights	1.78%
2	Energy Saving from VFD & APFC in Lifts	0.21%
3	Energy Saving from VFD in Pumps	0.70%
4	Energy Saving from Solar Water Heaters	13.44%
5	Energy Saving from Solar PV	0.52%
6	Overall energy saving for the project	17%

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.127 Lakh
	O & M cost:	Rs.15 Lakh/year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

1	Air water Environment	During the construction phase, water will be required for sprinkling for suppression of dust and for construction purpose.	2
2	Site sanitation & Health Safety	Toilet facility provided to the labours. Six monthly health checkup and doctor visit as per requirement, First aid facilities	5
3	Environment Monitoring	Ambient air, drinking water, noise and soil testing on monthly basis.	2
4	Disinfection	Cleaning and maintaining the site.	3
5	Health Check up	Masks, Ear plugs, safety shoes, safety googles, safety harness, Safety belt, helmets, safety net, hand gloves etc.	3
6	Total	-	15

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment plant	1 no. of STP having capacity of 1,469 m3/day	115.00	32.00
2	Solid Waste management	1 no. of OWC unit	30.00	3.00
3	Landscape & Irrigation Development	698 nos. of trees to be planted. Developed and maintained landscape area is 13,348.20 m2	55.00	6.00
4	Environment Monitoring	Air, Water, Noise, Soil, surface water, STP treated water etc.	MoEF approved laboratory	5.00
5	Energy conservation	Solar street lighting	127.00	15.00
6	Rain water harvesting	11 nos. of recharge pits of Size of recharge pits: 2 m x 2 m x 2 m	20.00	4.00
7	Laying of storm & Sever line up to final disposal point	Storm water channel will connect up to nalla line	135.00	5.00
8	Total	-	482.00	70.00

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:	1 no of junction
Parking details:	**Number and area of basement:**	Not applicable
	Number and area of podia:	1 no. of podium having area 6,276.72 m2
	Total Parking area:	44,303.98 m2
	Area per car:	Open parking 25 m2/car; covered parking 37.65 m2/car
	Area per car:	Open parking 25 m2/car; covered parking 37.65 m2/car
	Number of 2-Wheelers as approved by competent authority:	3,203 nos.
	Number of 4-Wheelers as approved by competent authority:	812 nos.
	Public Transport:	Not applicable
	Width of all Internal roads (m):	12 m
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable
	Category as per schedule of EIA Notification sheet	8 (a) B2 category
	Court cases pending if any	Not applicable
	Other Relevant Informations	Not applicable

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

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

Brief information of the project by SEAC

Representative of PP Mr.Veer Koul was present during the meeting along with environmental consultant M/s. Mahabal Enviro Engineers Pvt. Ltd. F-7, Road No. 21, Wagle Estate, Thane (West)-400604.

PP informed that, the project under consideration is *proposed New Housing Project. PP further stated that, t*he total plot area of the project is 55,800 Sq.mt.having total construction area 128472Sq.mt.(FSI - 73,875 sq.mt +NON FSI- Total –54,597 sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Building A1	P + 22 floors	66.70
Building B1	P + 17 floors	52.45
Building B2	P + 17 floors	52.45
Building B3	P + 17 floors	52.45
Building C1	P + 21 floors	63.85
Building D1	G + 1 floor + 20 parking floors	66.30

It is noted that the project earlier considered in 83rd SEAC-II Meeting held on 18-12-2018 and deferred with observation as

1) Committee noted that, the Name of the proponent mentioned in consolidated statement is not of the company. PP to revise the same.

2) Committee noted that, amalgamation of the plots is not finalised into one plot & also observed that there is no IoD, IoA.

Accordingly PP submitted the Compliance which was taken on record.

The project proposal was discussed on the basis of presentation made and documents submitted by the proponent. All issues related to environment, including air, water, land, soil, ecology and biodiversity and social aspects were discussed. Committee noted that the project is under 8a (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

In view of above, the proposal is not ripe for consideration at this stage and hence shall be considered only after the compliance of above observations.

Specific Conditions by SEAC:

1) PP to submit the copy of 7/12 of one plot after amalgamation.
2) PP to submit / upload approved layout plan from competent authority.
3) As per Railway NOC, survey no 12, pot hissa 1&2 is partly reserved for 30 mtr suburban railway line and high tension line. Therefore, PP to ensure no construction activity upto 10.5 mtr on both sides of high tension line as mentioned in the NoC issued by MSETCL.
4) It is noted that, there is no water supply NOC, no guaranteed water supply source, no existing storm water network, no sewer line and also there is no approach road existing or abutting the site. Even then DP road of 45 m is shown as proposed, but no any work of said road is started at any section. Even a smaller width of proposed DP road is existing on the site or any nearby plot. PP to submit details regarding all these issues with timeline.
5) PP to submit copy of agreement with Irrigation dept and STEM regarding supply of drinking water.
6) PP to submit detailed plan of utilisation of excess treated water.
7) PP has shown abrupt end of 12 mt internal road within layout. PP to provide 12 mtr contagious and circulatory internal road. PP to revise and submit fire tender movement plan also accordingly.
8) PP to submit wind analysis, traffic analysis, light and ventilation analysis and measures to reduce heat island effect.

FINAL RECOMMENDATION

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

Agenda of 93rd Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 93rd **Meeting Date** March 26, 2019

Subject: Environment Clearance for Amalgamation & Expansion of Residential Project – Unique Vista at Plot Bearing S No. 59A/2B, 59A/16B 1/1/1, 59A/16B-2, G.no. 59A/2/G/1, G.No.59A/2/G/2 ,Village Chittalsar, Mandpada, Thane

Is a Violation Case: No

1.Name of Project	Amalgamation & Expansion of Residential Project – Unique Vista at Plot Bearing S No. 59A/2B, 59A/16B 1/1/1, 59A/16B-2, G.no. 59A/2/G/1, G.No.59A/2/G/2 ,Village Chittalsar, Mandpada, Thane
2.Type of institution	Private
3.Name of Project Proponent	M/s. Shree Developers
4.Name of Consultant	M/s.Enviro Analysts & Engineers Pvt. Ltd.
5.Type of project	Housing project & MHADA
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	EC received vide letter no. SEAC2010/CR.447/TC.2 dated 4th February 2013
8.Location of the project	S No. 59A/2B, 59A/16B 1/1/1, 59A/16B-2, G.no. 59A/2/G/1, G.No.59A/2/G/2
9.Taluka	Thane
10.Village	Chittalsar, Mandpada
Correspondence Name:	M/s Shree Developers.
Room Number:	Harsh Plaza
Floor:	1st Floor
Building Name:	Poonam Vihar Complex
Road/Street Name:	Opp. Shanti Nagar, Sector 2,
Locality:	Mira Road – (E) – 401 107.
City:	Thane
11.Area of the project	Thane Municipal Corporation (TMC)
12.IOD/IOA/Concession/Plan Approval Number	CC Received under letter no. V.P.No.S04/0019/10 TMC/TDD/2399/17 dtd 16.11.2017
	IOD/IOA/Concession/Plan Approval Number: CC Received under letter no. V.P.No.S04/0019/10 TMC/TDD/2399/17 dtd 16.11.2017
	Approved Built-up Area: 108321.08
13.Note on the initiated work (If applicable)	Work Started as per the previous EC received.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	50023.00 sq.m
16.Deductions	26003.02
17.Net Plot area	24019.98
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 1,08,394.45
	b) Non FSI area (sq. m.): 1,28,501.91
	c) Total BUA area (sq. m.): 236896.36
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 108321.08
	Approved Non FSI area (sq. m.): -
	Date of Approval: 16-11-2017
19.Total ground coverage (m2)	38732.80
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	77.43 %
21.Estimated cost of the project	3460000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Sale bldg 1	2LG + St + 28 (pt) floors	84.85
2	Sale bldg 2	2LG + St + 28 floors	84.85
3	Sale bldg 3	3LG +Upper St/Gr + 29 floors	87.75
4	Sale bldg 4	3LG +Upper St/Gr + 29 floors	87.75
5	Sale bldg 5	3LG +Upper St/Gr + 29 floors	87.75
6	MHADA Building (1-7)	Gr/St + 30 floors	90.30
7	Sub plot B - Bldg 1	Gr/St + 1 (Pt) + 2 to 5 + 6 (Pt) floors	19.30

23.Number of tenants and shops	SUB PLOT A: MHADA Buildings: Residential: 1173 nos. Shops: 27 nos. Sale Buildings: Residential: 1295nos. Shops: 12 nos. SUB PLOT : Residential: 19 nos. Shops: 6 nos.
24.Number of expected residents / users	12599 nos.
25.Tenant density per hectare	1036 tenant density /hectare
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	The access to the plot is through 40 mtr wide DP road.
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Minimum 9 m
29.Existing structure (s) if any	Not applicable
30.Details of the demolition with disposal (If applicable)	Not applicable

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	TMC/Recycled water
	Fresh water (CMD):	1123
	Recycled water - Flushing (CMD):	562
	Recycled water - Gardening (CMD):	35
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	1720
	Fire fighting - Underground water tank(CMD):	1800 cum
	Fire fighting - Overhead water tank(CMD):	360 cum
	Excess treated water	813
Wet season:	**Source of water**	TMC/Recycled water/RWH
	Fresh water (CMD):	1123
	Recycled water - Flushing (CMD):	562
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	1685
	Fire fighting - Underground water tank(CMD):	1800
	Fire fighting - Overhead water tank(CMD):	360
	Excess treated water	842
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 m
	Size and no of RWH tank(s) and Quantity:	13 nos. of tank with total capacity of 299 Cum (2 day storage)
	Location of the RWH tank(s):	Below ground level
	Quantity of recharge pits:	Nil
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Rs. 1.14 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 0.11 Lakhs
	Details of UGT tanks if any :	Domestic tank: Sale Bldg -861 cum, MHADA bldg - 795 cum Flushing tank: Sale Bldg -444 cum, MHADA bldg - 397 cum
35.Storm water drainage	**Natural water drainage pattern:**	SW to NE
	Quantity of storm water:	0.94 m3/sec
	Size of SWD:	600 mm X 1300 mm
Sewage and Waste water	**Sewage generation in KLD:**	Sale: 786 KLD ; MHADA Bldg : 703 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	Sale: 813 KLD & 14 KLD; MHADA Bldg : 739 KLD
	Location & area of the STP:	Ground level
	Budgetary allocation (Capital cost):	Rs. 305.87 Lakhs
	Budgetary allocation (O & M cost):	Rs.36.00 lakhs
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Recyclable waste will be generated like empty cement bags & cans, scrap metal etc. Debris & construction waste shall be generated.
	Disposal of the construction waste debris:	Recyclable waste like empty cement bags & empty paint cans shall be handed over to local vendors. Broken tiles shall be used for china mosaic of terrace. Scrap metals shall be sold to recyclers.
Waste generation in the operation Phase:	**Dry waste:**	2507 kg/day
	Wet waste:	3741 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	74 kg/day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Will be handed over to Local Recyclers.
	Wet waste:	Will be composted in organic waste converter
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	To be used as manure for gardening.
	Others if any:	NA
Area requirement:	**Location(s):**	Ground level
	Area for the storage of waste & other material:	327 sq.m
	Area for machinery:	12 sq.m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.30.00 lakh
	O & M cost:	Rs. 9.00 lakh/yr

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	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 :**	7076.68 sq.m
	No of trees to be cut :	35 nos.
	Number of trees to be planted :	625 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	Ficus religiosa	Peepal tree	30	Evergreen tree
2	Azadirachta indica	Neem tree	35	Evergreen Tree
3	Delonix regia	Gulmohar	42	Flowering Tree
4	Melia azadiracta	Pride of India	43	Ornamental Tree
5	Erythrina variegata	Indian coral tree	43	Flowering plant
6	Ficus bengalensis	Banyan tree	25	Evergreen tree
7	Tamarandus indicum	Tamarind	35	fruiting tree
8	Terminalia arjuna	Arjun Tree	43	fruiting tree
9	Putranjiva roxburghii	Patravanti	32	Flowering tree
10	Pongamia pinnata	Indian Beech tree	36	Ornamental Tree
11	Syzigium cumini	Jamun	27	fruiting tree
12	Largerstomia indica	Indian crape myrtle	35	Ornamental Tree
13	Aegle marmelos	bael	41	Evergreen tree
14	Alstonia scholaris	Saptaparni	34	Evergreen tree
15	Cassia fistula	golden rain tree	48	Ornamental Tree & flowering tree
16	Areca catechu	Indian nut	28	Evergreen tree
17	Cocos nucifera	coconut tree	44	Fruiting tree
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	100 KW
	DG set as Power back-up during construction phase	100 KVA
	During Operation phase (Connected load):	11380.99 KW
	During Operation phase (Demand load):	6954.76 KW
	Transformer:	-
	DG set as Power back-up during operation phase:	2 X 400 KVA, 3 X 500 KVA & 1 X 160 KVA, 6 X 400 KVA & 1 X 625 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Solar hot water system, LED lights in common areas.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total Energy saving	19 %

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 140 Lakh
	O & M cost:	Rs. 6.00 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	Air	Water for Dust Suppression	2.00
2	EHS	Site Sanitation	2.00
3	Environmental Monitoring	Environmental Monitoring	6.00
4	EHS	Disinfection	1.5
5	EHS	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	Water Environment	Rain Water Harvesting	30.00	3.00
2	Water Environment	STP	305.87	36
3	Energy	Solar System	140	6.00
4	Solid Waste Management	OWC	30.00	9.00
5	Land Environment	Landscaping	80.00	16.00

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:	2 nos. of Entry & exit
Parking details:	**Number and area of basement:**	-
	Number and area of podia:	NA
	Total Parking area:	10536 sq.m
	Area per car:	32 sq.m
	Area per car:	32 sq.m
	Number of 2-Wheelers as approved by competent authority:	1357 nos.
	Number of 4-Wheelers as approved by competent authority:	1235 nos.
	Public Transport:	Nil
	Width of all Internal roads (m):	minimum 6.00 m
	CRZ/ RRZ clearance obtain, if any:	NA

	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park - abutting the plot
	Category as per schedule of EIA Notification sheet	8(b)
	Court cases pending if any	NA
	Other Relevant Informations	ToR was granted in 55th SEAC II meeting.
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

TOR Suggested Changes

Consolidated Statement Point Number	Original Remarks	Submitted Changes
22	Sale bldg 1 - LG + St + 28 (Pt) floors	Sale bldg 1 - B + LG + St + 28 (Pt) floors
22	Sale bldg 2 - LG + St + 28 floors	Sale bldg 2 - B + LG + St + 28 floors
23	Sub plot A: MHADA bldgs: residential: 1173 nos, Shops: 23 nos., Sale bldg: residential: 1295 nos, Shops: 9 nos., Sub plot: Residential: 23 nos, Shops: 6 nos, Total: 2529 nos.	Sub plot A: MHADA bldgs: residential: 1173 nos, Shops: 27 nos., Sale bldg: residential: 1295 nos, Shops: 12 nos., Sub plot B: Residential: 19 nos, Shops: 6 nos, Total: 2532 nos.
24	MHADA Buildings: Residential: 5865 nos. Shops: 69 nos. Sale Buildings: Residential: 6475 nos. Shops: 45 nos. Sub Plot B: Residential: 1175 nos. Shops: 30 nos. Total: 13659 nos.	12599
32	Dry & wet season: Recycled water - Flushing (CMD): 5563	Dry & wet season: Recycled water - Flushing (CMD): 563
32	Dry season: Excess treated water - 881	Dry season: Excess treated water - 815
32	Wet season: Excess treated water: 1357	Wet season: Excess treated water: 850
37	dry waste: 490 kg/day	dry waste: 3360 kg/day
37	wet waste: 746 kg/day	wet waste: 2191 kg/day
37	Area for the storage of waste & other material: 47.03	Area for the storage of waste & other material: 198 sq.m
37	Area for machinery: 2.78	Area for machinery: 12
54	Other Relevant Informations: The application is for ToR.	Other Relevant Informations: Specific ToR is granted in 53rd SEAC II meeting

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 *Expansion Housing project & MHADA Project. PP further provided building configuration as bellow-*

Building Name & number	Number of floors	Height (Mtrs)
Sale bldg 1	2LG + St + 28 (pt) floors	84.85
Sale bldg 2	2LG + St + 28 floors	84.85
Sale bldg 3	3LG +Upper St/Gr + 29 floors	87.75
Sale bldg 4	3LG +Upper St/Gr + 29 floors	87.75
Sale bldg 5	3LG +Upper St/Gr + 29 floors	87.75
MHADA Building (1-7)	Gr/St + 30 floors	90.30
Sub plot B - Bldg 1	Gr/St + 1 (Pt) + 2 to 5 + 6 (Pt) floors	19.30

It is noted that the project has issued ToR earlier in 55th SEAC-2 meeting and then considered in 62nd (Part A) SEAC-II Meeting held on 07-06-2018 and deferred with observation to brought clarification from concern authority regarding applicability of Eco Sensitive Zone area to the project site.

It is noted that, Project has received Environmental clearance vide letter dated 4th February 2013.

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,

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) It is noted that 800 mtr area falls in ESZ as per submitted map. PP not to start any construction activity until NOC/clarification regarding ESZ received.
2) PP to submit CFO NOC for proposed expansion proposal.
3) PP to submit structural engineer certificate, including detailed calculations regarding building foundation, clearly specifying foundation of 25 floors capable of carrying 30 floors.
4) PP to correct discrepancies in FSI area and TBA and revise the consolidated statement accordingly.
5) PP to submit earlier approved layout with cross section which was submitted during appraisal of earlier EC
6) PP to submit dated Architect certificate addressing to committee regarding building wise construction as per EC, approvals from local Authority, actual construction done and proposed expansion.
7) PP to submit explanatory note regarding provision of additional RG.
8) As agreed, BoD should be less than 5
9) PP to submit CER of 1 % prescribed by MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project. The specific activities to be undertake under CER to be got approved from collector/ local body or Environment Department.

FINAL RECOMMENDATION

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

Agenda of 93rd Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 93rd **Meeting Date** March 26, 2019

Subject: Environment Clearance for Bredco Hill View Kandivali Residential project (Bldg 3 and 4)

Is a Violation Case: No

1.Name of Project	Hill View
2.Type of institution	Private
3.Name of Project Proponent	Bombay Real Estate Development Co. Pvt. Ltd
4.Name of Consultant	Enviro Analysts & Engineers Pvt. Ltd.
5.Type of project	Housing
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. 809-A/1/19A/1/1/2 to 6 of village Poisar at Kandivali (E), Mumbai- 400 101.
9.Taluka	-
10.Village	Poisar
Correspondence Name:	Bombay Real Estate Development Co. Pvt. Ltd
Room Number:	-
Floor:	3rd Floor
Building Name:	Noshirwan Mansion
Road/Street Name:	Henry Road
Locality:	Colaba
City:	Mumbai
11.Area of the project	Municipal Corporation of Greater Mumbai
12.IOD/IOA/Concession/Plan Approval Number	Building 1: IOD dated 01.08.2002 : CC dated 24.09.2002 : Further CC dated 29.05.2004 : OC dated 31.01.2006 Building 2: IOD dated 29.06.2002 : CC dated 02.08.2002 : Further CC dated 25.09.2003 : OC dated 22.06.2005 Building 3: IOD dated 29.06.2002 : CC dated 02.08.2002 Building 4: IOD dated 06.05.2004
	IOD/IOA/Concession/Plan Approval Number: Bldg No 1- CHE / A-3003 / BP(WS) / AR Bldg No 2- CHE / A-2827 / BP(WS) / AR Bldg No 3- CHE / A-2828 / BP(WS) / AR Bldg No 4- EB / CE / A-3416 / BP(WS) / AR Club House- CHE / A-3770 / BP(WS) / AR
	Approved Built-up Area: 19727.33
13.Note on the initiated work (If applicable)	Bldg 1, 2,and 3 constructed Out of which Bldg no 1 and 2 received OC
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	-
15.Total Plot Area (sq. m.)	20541.60
16.Deductions	4748.70 Sq m, 3843.10 Sq m, 1792.47 Sq m
17.Net Plot area	10157.33 Sq m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 17665.89
	b) Non FSI area (sq. m.): 8075.14
	c) Total BUA area (sq. m.): 25741.03
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 19727.33
	Approved Non FSI area (sq. m.): -
	Date of Approval: 06-05-2004
19.Total ground coverage (m2)	3685.59 Sqm
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	30.84 %
21.Estimated cost of the project	855118854

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Bldg 1	Gr+2 Floors	11.20
2	Bldg 2 (Wing A to C)	St +8 Floors	25.91
3	Bldg 3 (Wing A & B)	St +17(pt) Floors	52.50
4	Bldg 4	Pit+St+21 Floors	69.95
5	Club House	Gr+1 Floor	-

23.Number of tenants and shops	Bldg 2: 96 Nos Bldg 3: 126 Nos Bldg 4: 104 Nos
24.Number of expected residents / users	Bldg 2: 480 Nos Bldg 3: 630 Nos Bldg 4 : 456 Nos
25.Tenant density per hectare	321 / Hectre
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	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	>7.50 m
29.Existing structure (s) if any	Bldg No 1 & 2 has commenced prior to 07.07.2004 & OC received on 31/01/2006 and 22/06/2005 respectively. Bldg 3 has been commenced as per CC dated 02/08/2002
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):	47
	Recycled water - Flushing (CMD):	23
	Recycled water - Gardening (CMD):	11
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	70
	Fire fighting - Underground water tank(CMD):	275
	Fire fighting - Overhead water tank(CMD):	30
	Excess treated water	23
Wet season:	**Source of water**	MCGM
	Fresh water (CMD):	47
	Recycled water - Flushing (CMD):	23
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	70
	Fire fighting - Underground water tank(CMD):	275
	Fire fighting - Overhead water tank(CMD):	30
	Excess treated water	34
Details of Swimming pool (If any)	1 Swimming Pool with 6 m X 11 M Dimensions (Make up water requirement 1.5 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:**	0.50 to 0.80 m
	Size and no of RWH tank(s) and Quantity:	Size of RWH tank Bldg 4: 22m3
	Location of the RWH tank(s):	Below Ground level.
	Quantity of recharge pits:	-
	Size of recharge pits :	-
	Budgetary allocation (Capital cost) :	4.5 Lakh
	Budgetary allocation (O & M cost) :	0.45 Lakh/Year
	Details of UGT tanks if any :	Bldg 2 : Domestic : 43m3 Flushing: 22m3 Fire water tank: 50m3 Bldg 3 : Domestic : 57m3 Flushing: 28m3 Fire water tank: 75m3 Bldg 4 : Domestic : 47m3 Flushing: 23m3 Fire water tank: 150m3
35.Storm water drainage	**Natural water drainage pattern:**	-
	Quantity of storm water:	0.27 m3/Sec
	Size of SWD:	0.45 m X 0.45 m
Sewage and Waste water	**Sewage generation in KLD:**	63 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	1 Capacity: 65KLD
	Location & area of the STP:	Below Ground and Area 65 Sq m
	Budgetary allocation (Capital cost):	17.5 Lakh
	Budgetary allocation (O & M cost):	4.37 Lakh/ year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Empty cement bags, Aggregates , Broken Tiles, Empty Paint Cans
	Disposal of the construction waste debris:	Empty cement bags: To be handed over to local recyclers, Aggregates: To be used as a layer for internal roads and building boundary wall, Broken Tiles: Waste tiles to be used as china mosaic for terraces, Empty Paint Cans : To be sold local recyclers
Waste generation in the operation Phase:	**Dry waste:**	Bldg 3 and 4 : 230 Kg/day
	Wet waste:	Bldg 3 and 4: 345 Kg/day
	Hazardous waste:	-
	Biomedical waste (If applicable):	-
	STP Sludge (Dry sludge):	3 Kg/ day
	Others if any:	-

Mode of Disposal of waste:	**Dry waste:**	Will be handed over to Local Recycler
	Wet waste:	Processed in OWC. Manure obtained shall be used for landscaping / Gardening, Excess manure shall be sold to nearby end users.
	Hazardous waste:	-
	Biomedical waste (If applicable):	-
	STP Sludge (Dry sludge):	Dry sludge will be used as manure
	Others if any:	-
Area requirement:	**Location(s):**	On Ground
	Area for the storage of waste & other material:	19 Sq m
	Area for machinery:	5.0 Sq m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	6.0 Lakh
	O & M cost:	2 Lakh/ Year

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

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

43.Green Belt Development	**Total RG area :**	3015.28 Sq m
	No of trees to be cut :	-
	Number of trees to be planted :	111
	List of proposed native trees :	As below
	Timeline for completion of plantation :	As soon as construction work completed.

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	SAMANIA SAMEN	Monkey Pod Tree	15	Flowering
2	BAHUNIA BLAKEANA	Hong Kong Orchid	20	Legume tree
3	BISMARCKIA PALM	Bismarckia	07	Tropical and evergreen
4	MIMUSOPS ELENGI	Spanish cherry	09	Flowering
5	ARECA CATECHU	Beetle Tree	07	Flowering
6	DELONIX REGIA	Royal poinciana	08	Tropical Flowering
7	MAHUA LONGIFOLIA	Mahua	06	Flowering
8	CASSIA FISSULA	Golden Shower tree	11	Flowering
9	CASSIA JAVANICA	Pink shower	18	Flowering
10	AZADIRACHTA INDICA	Neem	10	Medicinal
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	Reliance
	During Construction Phase: (Demand Load)	100 kW
	DG set as Power back-up during construction phase	100 kVA
	During Operation phase (Connected load):	1498 kW (Total Project 3766 kW)
	During Operation phase (Demand load):	347 kW (Total Project 1062 kW)
	Transformer:	-
	DG set as Power back-up during operation phase:	1 X 250 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	-

48.Energy saving by non-conventional method:

We recommended to use Energy Efficient LED Lamps for Common & External Areas instead of CFL Lamps.
2) For Energy efficient performance we have proposed VFDs(Variable Frequency Drive) for all Motors used in Lifts, Plumbing, Fire fighting
and Ventilation systems.
3) We recommended to use electrical equipments such as AC, Fridge, Microwave, Light Fixtures etc. which are Higher rated(5 Star) by
BEE(Bureau of Energy Efficiency) in the Houses by owners for lesser power consumption.
4) We recommend solar pv solution for lighting of common areas and external lighting.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total Saving	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:**	20 Lakh
	O & M cost:	2 Lakh/ year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air	Water for dust Suppression	2
2	EHS	Site Sanitation	2

3	Environmental Monitoring	Environmental Monitoring	15
4	EHS	Disinfection	1.5
5	EHS	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	Water Environment	STP	17.5	4.37
2	Water Environment	Rain Water Harvesting	4.5	0.45
3	Energy	Solar System	20	2
4	Solid Waste Management	OWC	6	2
5	Land Environment	Landscaping	3	0.6

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	10 Nos of Entry /Exit

Parking details:	**Number and area of basement:**	-
	Number and area of podia:	-
	Total Parking area:	1352.39 Sqm.
	Area per car:	9.26 Sqm, 10 Sqm
	Area per car:	9.26 Sqm, 10 Sqm
	Number of 2-Wheelers as approved by competent authority:	-
	Number of 4-Wheelers as approved by competent authority:	For Bldg 3 and 4 Required : 173 Bldg 3 and 4 Proposed : 182
	Public Transport:	-
	Width of all Internal roads (m):	6.0 m
	CRZ/ RRZ clearance obtain, if any:	-
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	0.5 km from ESZ of SGNP(notification Dec 2016)
	Category as per schedule of EIA Notification sheet	8 (a) Category 'B'
	Court cases pending if any	-
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	09-08-2018

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

DECISION OF SEAC

PP was absent, however PP submitted the letter regarding his absence; hence the project is deferred.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

Agenda of 93rd Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 93rd **Meeting Date** March 26, 2019

Subject: Environment Clearance for Proposed commercial development at Plot No.-C-16-1, T.T.C. MIDC, Pawane, Taluka & District- Thane.

Is a Violation Case: No

1.Name of Project	Dream
2.Type of institution	Private
3.Name of Project Proponent	Vikesh Kamlesh Choithramani
4.Name of Consultant	Building Environment (I) Pvt. Ltd.
5.Type of project	Commercial IT Building development
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Plot No.-C-16-1 , T.T.C. MIDC, Pawane
9.Taluka	Thane
10.Village	NA
Correspondence Name:	Sainath Motor Body Builders
Room Number:	Plot No. 17
Floor:	--
Building Name:	Mangal Murti, Opp. Hotel Highway view, Sector 30,
Road/Street Name:	--
Locality:	Sanpada,
City:	Navi Mumbai
11.Area of the project	MIDC
12.IOD/IOA/Concession/Plan Approval Number	--
	IOD/IOA/Concession/Plan Approval Number: --
	Approved Built-up Area: 30985.00
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	--
15.Total Plot Area (sq. m.)	3105.00
16.Deductions	0.00
17.Net Plot area	3105.00
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 9300.00
	b) Non FSI area (sq. m.): 21685.00
	c) Total BUA area (sq. m.): 30985.00
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 9300.00
	Approved Non FSI area (sq. m.): 21685.00
	Date of Approval: 01-01-1900
19.Total ground coverage (m2)	1543.185
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	49.70 %
21.Estimated cost of the project	690439315

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	1 Building- Dream	Ground + 35 Floors	117.20 Mt.

23.Number of tenants and shops	No. of Offices: 270 No. of Shops: 25
24.Number of expected residents / users	Office users = 2300 nos. Shops users = 200 nos
25.Tenant density per hectare	950
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	12.00 Meter
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.00 Meter
29.Existing structure (s) if any	Yes, to be demolished.
30.Details of the demolition with disposal (If applicable)	to be applied.

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
	Fresh water (CMD):	50.00
	Recycled water - Flushing (CMD):	63.00
	Recycled water - Gardening (CMD):	6.00
	Swimming pool make up (Cum):	--
	Total Water Requirement (CMD) :	119.00
	Fire fighting - Underground water tank(CMD):	--
	Fire fighting - Overhead water tank(CMD):	--
	Excess treated water	23.00

Wet season:	**Source of water**	MIDC + RWH
	Fresh water (CMD):	50.00
	Recycled water - Flushing (CMD):	63.00
	Recycled water - Gardening (CMD):	0.00
	Swimming pool make up (Cum):	--
	Total Water Requirement (CMD) :	113.00
	Fire fighting - Underground water tank(CMD):	--
	Fire fighting - Overhead water tank(CMD):	--
	Excess treated water	29.00
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:**	2.4 Meters
	Size and no of RWH tank(s) and Quantity:	50 Cu. M.
	Location of the RWH tank(s):	On Ground
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	9.00 Lacs
	Budgetary allocation (O & M cost) :	1.00 Lacs/ annuam
	Details of UGT tanks if any :	--

35.Storm water drainage	**Natural water drainage pattern:**	The storm drainage above ground will essentially cater for the seasonal rains. The major part of discharge will be from the roof. The flat roof will have a general slope of 1 in 100 in the screed towards the periphery. Rain water outlets will be provided at the edges from where it will be carried down by UPVC agriculture pipes to discharge water into storm water entrance chambers below ground. The rainfall intensity considered for design is 100 mm per hour. The basement drainage will be through
	Quantity of storm water:	0.160 M3 /Sec
	Size of SWD:	Width of trench: 0.6 M and depth: 0.3 M
Sewage and Waste water	**Sewage generation in KLD:**	102 KLD
	STP technology:	Microfilteration technology based on KSQ Flat sheet membrane
	Capacity of STP (CMD):	1 STP of 110 KLD Capacity
	Location & area of the STP:	On Ground
	Budgetary allocation (Capital cost):	27.50 Lacs
	Budgetary allocation (O & M cost):	5.50 Lacs/annuam
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Excavated soil will be used in land leveling purpose &construction debris will be handed over to authorized agency.
	Disposal of the construction waste debris:	Construction debris will be handed over to Authorized agency.
Waste generation in the operation Phase:	**Dry waste:**	378.61 Kg/day
	Wet waste:	252.40 Kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	2.75 Kg/day
	Others if any:	NA
Mode of Disposal of waste:	**Dry waste:**	Handed over to authorized agency.
	Wet waste:	Composting through OWC & used at site/as manure.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	2.75 Kg/day
	Others if any:	NA
Area requirement:	**Location(s):**	On Ground
	Area for the storage of waste & other material:	30 Sq. Mt.
	Area for machinery:	30 Sq. Mt.

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	13.00 Lacs
	O & M cost:	3.00 Lacs/ annuam

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 :**	1088.1913 Sq. Mt. (310.50 Sq. Mt. on ground + 777.6913 Sq.Mt. on podium)
	No of trees to be cut :	--
	Number of trees to be planted :	39.00
	List of proposed native trees :	As mentioned below.
	Timeline for completion of plantation :	5 Years

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Citrus sp.	Lemon	05	Butterfly host plant having high Air Pollution Index Tolerance (APIT) tree, small white fragrant flowers.
2	Nyctanthes arbor-tristis	Parijatak	05	Small deciduous fast .growing tree, beautiful flowers
3	Cassia fistula	Bahava	05	Medium sized deciduous tree Beautiful yellow flowers, Butterfly host plant.
4	Bauhinia racemosa	Apta	05	Small tree with small white flowers, Butterfly host plant.
5	Saraca asoka	Sita Asoka	05	Shady tree with Red-Yellow Flowers.
6	Polyalthia longifolia	False Asoka	05	MedTree having high Air Pollution Index Tolerance (APIT) .
7	Areca sp.	Palm	05	Ornamental
8	Michellia champaca	Soanchaffa	04	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	--	--	--

47.Energy

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

48.Energy saving by non-conventional method:

--

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	--	--

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	--
	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	PPE	--	5.00
2	Site Sanitation Facility	--	4.00
3	Drinking Water Facility	--	2.00
4	Solid Waste Management	--	2.50
5	Safety railing, Platform, Ladder, Crane, Hoist, etc.	--	6.00
6	House Keeping	--	2.00
7	Health Check	--	1.00
8	Environmental Monitoring	--	1.50
9	Anti rust coating on foundation steel bars	--	5.00

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Rain water Harvesting	--	9.00	1.00
2	Sewage Treatment Plant	--	27.50	5.50
3	Solid waste Management	--	13.00	3.00
4	DMP	--	265.71	20.26

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1
Parking details:	**Number and area of basement:**	1 Basement with area of 2016.61 Sq. Mt.
	Number and area of podia:	6 Nos. of podiums and total area- 9261.00 Sq. Mt.
	Total Parking area:	11277.61 Sq. Mt.
	Area per car:	51.03 Sq. Mt.
	Area per car:	51.03 Sq. Mt.
	Number of 2-Wheelers as approved by competent authority:	78
	Number of 4-Wheelers as approved by competent authority:	221
	Public Transport:	--
	Width of all Internal roads (m):	6 Mt. and 9 Mt.
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8(a) B2
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

DECISION OF SEAC

PP was absent; hence the project is deferred.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

Agenda of 93rd Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 93rd **Meeting Date** March 26, 2019

Subject: Environment Clearance for Proposed S. R. Scheme on Plot bearing CTS No. 255, 255/1TO3, 259(PT) 259/1 TO 25 OF Village Bandivali, K/E At Caves Roads Jogeshwari (E) Mumbai -400060 by M/s. So Lucky Builders.

Is a Violation Case: No

1.Name of Project	Proposed S. R. Scheme on Plot bearing CTS No. 255, 255/1TO3, 259(PT) 259/1 TO 25 OF Village Bandivali, K/E At Caves Roads Jogeshwari (E) Mumbai -400060 by M/s. So Lucky Builders.
2.Type of institution	Private
3.Name of Project Proponent	M/s. So lucky Builders
4.Name of Consultant	Mr. H K Desai. Enviro Analysts and Engineers Pvt. Ltd. B 1003, Enviro House, 10th Floor, Western edge II Western Express Highway, Borivali (E) Mumbai 400066.
5.Type of project	S R Scheme (Residential, Commercial, Educational & Mercantile)
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	Plot bearing CTS No. 255, 255/1TO3, 259(PT) 259/1 TO 25 OF Village Bandivali, K/E At Caves Road, Jogeshwari (E) Mumbai -400060.
9.Taluka	Andheri
10.Village	Bandivali
Correspondence Name:	Mr. Deepak Patel
Room Number:	15
Floor:	NA
Building Name:	Amita CHS ltd Society No 30
Road/Street Name:	NA
Locality:	SVP Nagar, Mhada, Andheri W.
City:	Mumbai 400053.
11.Area of the project	Municipal Corporation of Greater Mumbai (MCGM)
12.IOD/IOA/Concession/Plan Approval Number	yes
	IOD/IOA/Concession/Plan Approval Number: SRA/ENG/2280/KE/PVT/AP DATED- 13/04/2018
	Approved Built-up Area: 19945.11
13.Note on the initiated work (If applicable)	Constructed FSI: 13701.97 sq m , Constructed Non FSI: 6131.80 sq m Total constructed BUA: 19833.77 sq m
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Amended IOD Granted dated: 13-04-2018 Under No.: SRA/ENG/2280/KE/PVT/AP.
15.Total Plot Area (sq. m.)	5881. 35 sq m
16.Deductions	For Setback / D. P Road: 885.62 sq m
17.Net Plot area	4995.73 sq m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 19956.81 sq m
	b) Non FSI area (sq. m.): 8490.78 sq m
	c) Total BUA area (sq. m.): 28447.59
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 14283. 09 sq m
	Approved Non FSI area (sq. m.): 5662.02 sq m
	Date of Approval: 13-04-2018
19.Total ground coverage (m2)	2715.05
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	54.35
21.Estimated cost of the project	1750000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Rehab- Wing A, B Composite Building	Part basement + Gr + 16 floors	49.05
2	Sale- Wing C, D Composite Building	Basement + Gr + 10 floors	44.70
3	Sale- Wing E Composite Building	Gr + 5th (pt) + 6th (pt) + 7th (pt) floors	34.20
4	Building No-2 School & Market	Gr + 4th (pt) + 5th(pt) floors	21.75
5	Parking Tower (mechanical Parking)	Gr + 15 level	40.08

23.Number of tenants and shops	Rehab Tenants = 93 nos. Rehab Res. + Comm = 3 nos. Rehab Commercial = 33 nos. Balwadi - 1 Welfare center - 1, Society office – 1, Amenity – 1. Sale Commercial =261 nos. School = 19 nos. Class Rooms
24.Number of expected residents / users	Total: 2552 nos. Rehab Residential: 486 nos. Sale Commercial: 1362 nos. School & Market: 704 nos.
25.Tenant density per hectare	969
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	13.40 m wide D. P. Road and 6.00 M wide Internal Municipal Market Road Maintained by MCGM
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	Rehab Wing A & B – Part basement + Ground + 16 floors is constructed and part occupied Sale Wing C, D- Basement + ground + 8 floors is constructed.
30.Details of the demolition with disposal (If applicable)	Demolition waste of remaining slums will be managed as per Construction and Demolition Waste Management Rules 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 and Recycled water
	Fresh water (CMD):	78 KLD
	Recycled water - Flushing (CMD):	71 KLD
	Recycled water - Gardening (CMD):	2 KLD
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	151 KLD
	Fire fighting - Underground water tank(CMD):	350 KLD
	Fire fighting - Overhead water tank(CMD):	55 KLD
	Excess treated water	52 KLD
Wet season:	**Source of water**	MCGM, Recycled water and RWH
	Fresh water (CMD):	78 KLD
	Recycled water - Flushing (CMD):	71 KLD
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	149 KLD
	Fire fighting - Underground water tank(CMD):	350 KLD
	Fire fighting - Overhead water tank(CMD):	55 KLD
	Excess treated water	50 KLD
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	4 m
	Size and no of RWH tank(s) and Quantity:	Rehab: 25 cum & 1 no. Sale: 65 cum & 1 no.
	Location of the RWH tank(s):	Basement
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Rs. 7 lakh
	Budgetary allocation (O & M cost) :	Rs. 1 lakh
	Details of UGT tanks if any :	Rehab + School: 1 no. Sale: 1 no.
35.Storm water drainage	**Natural water drainage pattern:**	As per the natural slope of the site.
	Quantity of storm water:	0.117 m3 / sec
	Size of SWD:	0.6 m x 0.3 m
Sewage and Waste water	**Sewage generation in KLD:**	138 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	150 KLD
	Location & area of the STP:	Underground (Basement 1)
	Budgetary allocation (Capital cost):	Rs. 22 lakhs
	Budgetary allocation (O & M cost):	Rs. 5 lakhs
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	1. Empty bags: 11380 nos. 2. Steel: 1.7 MT 3. Aggregates: 3.4 MT 4. Broken tiles: 540 sq m 5. Empty Paint Cans (20 litre/ can): 427 nos.
	Disposal of the construction waste debris:	Empty bags to be handed over to local recyclers, Steel to e handed over to local recyclers, Aggregates to be used for layering internal roads, Broken tiles to be used for terraces and empty paint cans to be sold.
Waste generation in the operation Phase:	**Dry waste:**	1052 kg /day
	Wet waste:	972 kg / day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	6.5 kg
	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):**	Below ground (basement 1)
	Area for the storage of waste & other material:	58 sq m
	Area for machinery:	10 sq m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 14 lakhs
	O & M cost:	Rs. 4 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 :**	452. 70 sq m
	No of trees to be cut :	NIL
	Number of trees to be planted :	52 nos.
	List of proposed native trees :	As given below
	Timeline for completion of plantation :	Before operation 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	Ficus Benghalenis	Wad	1	tropical and flowering
2	Ficus religosa	Pimpal	1	Tropical
3	Ficus glomerata	Umbar	1	tropical and flowering
4	Bahunia racemosa	Kancahan	1	Flowering
5	Anthocephalas cadamba	Kadamba	1	Flowering
6	Adenanthera lavania	Gunj	1	Flowering
7	Butea monospema	Palas	2	Tropical
8	Azadirecta indica	Neem	1	tropical and MEdicinal
9	Saitenea mahagun	Mhaguni	2	Flowering
10	Mimusops mauhua	Mohua	1	Flowering
11	Cassia fistula	Bhava	1	Flowering
12	Tictonia gandris	Sag	1	Tropical hardwood
13	Terminalea arjuna	Arjun	1	Flowering
14	Anoresus latibolea	Ain	1	Tropical
15	Terminalia paniculata	Kinjal	1	Tropical
16	Saraca indica	Seeta Ashoka	1	Rain forest tree
17	Collophyllum inophyllum	Undal	1	Evergreen
18	Mesua ferrea	Naag keshar	1	Evergreen flowering
19	Magnolea champaka	Champaka	1	Evergreen flowering
20	Evergreen flowering	Shivan	1	Deciduous tree
21	Albeizea lebbek	Shirish	2	tropical
22	Pongamea glabra	Karanj	2	tropical
23	Mimosops elemgi	Bakul	1	Evergreen flowering
24	Aegle marmelos	Bael	1	Flowering
25	Lagertonea tharlli	Taman	2	Flowering
26	Termenalia bellarica	Hirda	1	Deciduous tree
27	Termenelia chibuta	behda	1	Deciduous tree
28	Cocos nucifera	Coconut	1	Flowering
29	Phullanthus cmblica	Aavala	1	Flowering
30	Acacea catechu	Khair	1	Deciduous tree

31	Oraxylum indium	Tetu	1	Flowering
32	Nyctanthus odoritissimus	Parijatak	1	Flowering
33	Putranjeva roxburjgii	putranjeeva	1	Evergreen
34	Sterculea foetida	Jangali Badam	1	Flowering
35	Sapindus lorifolea	Beeba	1	Medicinal
36	Thivetea neribolea	Thivetiea	2	Flowering
37	Sapindus trifoliatus	Ritha	1	Medicinal
38	Santalum album	Chandan	2	Medicinal
39	Careyanarbore	Kumbha	2	Tropical
40	Plumeric alba	Chafa	1	Flowering
41	Phoenix dacelyflora	Khajur	2	Flowering
42	Caryota albertii	Fish tail palm	2	Tropical
43	Total	-	52	-
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 :**	Reliance / TATA Power
	During Construction Phase: (Demand Load)	80 kW
	DG set as Power back-up during construction phase	100 KVA
	During Operation phase (Connected load):	2013 kW
	During Operation phase (Demand load):	1209 k W
	Transformer:	NA
	DG set as Power back-up during operation phase:	1 x 125 KVA, 1 x 250 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Solar PV panel and LED lights.
BEE star rating electrical equipment would be used.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total % Savings	12

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. 35 lakhs
	O & M cost:	Rs. 1 lakh

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water Sprinkling, Green Belt Development, Covered storage area	2
2	Noise Environment	Noise Barricades and Green Belt Developments	1
3	Water Environment	Modular STP, Drainage with sedimentation tanks	2
4	Good Health Practices	Site Sanitation & Health	2
5	Environment Monitoring	Air, water, noise soil monitoring during construction phase	6

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Rain Water Harvesting	RHW tanks	7	1
2	Waste water management	STP	22	5
3	Solid waste management	OWC	14	4
4	Landscaping	Green Belt Development	7	1
5	Energy conservation	Solar Savings	35	1

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.
Parking details:	**Number and area of basement:**	One basement
	Number and area of podia:	NA
	Total Parking area:	3095.54 sq m
	Area per car:	28.93
	Area per car:	28.93
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	In Basement= 78 nos. (8 nos. Normal & 70 nos. Stack parking) In parking tower= 29 nos. Total = 107 nos.
	Public Transport:	Jogeshwari Railway Station.
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8(a)
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	25-08-2018

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 and Engineers Pvt. Ltd.

PP stated that, the project is a S R Scheme (Residential, Commercial, Educational & Mercantile)

It is noted that, the proposal was earlier considered in 37th SEAC II Meeting and deferred for want of revised area statement considering actual area under DP reservation to be handed over to local body.

PP stated that, as the matter regarding DP reservation, School and Market building area is approved and being a buildable reservation, it has incorporated as the area of construction of buildable reservation and the proposal is now submitted for EC for the total construction area of 28,447.59 sq m.

PP has now proposed Rehab Wing A, B Composite: Part basement + Gr + 16 floors is maintained as earlier constructed, additional 9th & 10th floor is proposed over and above earlier approved for Sale Wing C, D: Basement + Gr + 8 floors; newly proposed Sale- Wing E of Composite Building: Gr + 5th (pt) + 6th (pt) + 7th (pt) Floors and Parking Tower (mechanical Parking) Gr + 15 level.

Additional 3rd + 4th (pt) and 5th (pt) floor is added to Building No-2 School & Market of Gr + 2nd floor of earlier constructed for FSI area of 19,956.81 sq m, non FSI area 8,490.78 sq m with Total Construction area 28,447.59 sq m.

PP informed that, the project under consideration is *Proposed New S R Scheme (Residential, Commercial, Educational & Mercantile) Project. PP summarised the project as* the total plot area of the project is 5881.35 Sq.mt. having total construction area 28447.59Sq.mt.(FSI - 19956.81 sq.mt +NON FSI- Total – 8490.78 sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Rehab- Wing A, B Composite Building	Part basement + Gr + 16 floors	49.05
Sale- Wing C, D Composite Building	Basement + Gr + 10 floors	44.70
Sale- Wing E Composite Building	Gr + 5th (pt) + 6th (pt) + 7th (pt) floors	34.20
Building No-2 School & Market	Gr + 4th (pt) + 5th(pt) floors	21.75
Parking Tower (mechanical Parking)	Gr + 15 level	40.08

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

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

Specific Conditions by SEAC:

1) PP to submit the chronology of project.
2) PP to submit copy of LOI.
3) PP to submit an explanatory note regarding non submission of the compliance with respect to the 37th meeting till now and without compliance how total 19,833.77 Sq.mt construction is already carried out, especially also when his earlier application seeking EC was for more than 20,000 Sq.mt.
4) PP to submit copy of DCR issued from time to time regarding construction of school land on which school reservation is shown.

FINAL RECOMMENDATION

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

SEAC Meeting number: 93rd **Meeting Date** March 26, 2019

Subject: Environment Clearance for PROPOSED RESIDENTIAL CUM COMMERCIAL DEVELOPMENT AT DADAR, MUMBAI

Is a Violation Case: No

1.Name of Project	Ave Maria
2.Type of institution	Private
3.Name of Project Proponent	Suraj Estate Developers Pvt. Ltd
4.Name of Consultant	EIA Coordinator: Saurab Jaiswar (Pollution & Ecological Control Services)
5.Type of project	Housing project with Commercial Redevelopment
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	F.P. No. 822, TPS IV, of Mahim Division, G/North ward, off R.B.S. K. Bole Marg, Dadar (W), Mumbai-400028
9.Taluka	Mumbai
10.Village	Mumbai
Correspondence Name:	Mr. Rajan Thomas
Room Number:	B-15
Floor:	-
Building Name:	Mahim Mata Building
Road/Street Name:	-
Locality:	Marinagar Colony, Mahim
City:	Mumbai 400 016
11.Area of the project	MCGM
12.IOD/IOA/Concession/Plan Approval Number	IOD copy
	IOD/IOA/Concession/Plan Approval Number: EB/2087/GN/A (building no.1)
	Approved Built-up Area: 8571.40
13.Note on the initiated work (If applicable)	Site work not yet started
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	IOD copy
15.Total Plot Area (sq. m.)	4022.61
16.Deductions	32.36
17.Net Plot area	3990.25
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 14356.07
	b) Non FSI area (sq. m.): 9483.12
	c) Total BUA area (sq. m.): 23839.18
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 13196.73
	Approved Non FSI area (sq. m.): 8704.73
	Date of Approval: 29-05-2008
19.Total ground coverage (m2)	1875.11
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	47%
21.Estimated cost of the project	476783600

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building 1	Basement + Ground floor + 1st to 24th floor + Terrace	75.65m
2	Building 2	Basement + Ground floor + 1st to 8th commercial floor + Terrace	34.05m

23.Number of tenants and shops	building 1 (Rehab) : Flats 134 nos. Shops 8 nos. and 2 community hall
24.Number of expected residents / users	building 1 (Rehab): 667, Building 2 (Sale): 636
25.Tenant density per hectare	336 Tenant /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)	90m wide R.B.S.K Bole road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	minimum 9m
29.Existing structure (s) if any	NO
30.Details of the demolition with disposal (If applicable)	The existing structures on site has been demolished and the Demolition waste has been disposed of as per the "Construction Demolition Waste (Management &. Disposal) Rules 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
	Fresh water (CMD):	58
	Recycled water - Flushing (CMD):	44
	Recycled water - Gardening (CMD):	2
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	104
	Fire fighting - Underground water tank(CMD):	Fire tank : 200 m3
	Fire fighting - Overhead water tank(CMD):	Fire tank : 30 m3
	Excess treated water	43
Wet season:	**Source of water**	MCGM
	Fresh water (CMD):	58
	Recycled water - Flushing (CMD):	44
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	102
	Fire fighting - Underground water tank(CMD):	Fire tank : 200m3
	Fire fighting - Overhead water tank(CMD):	Fire tank : 30 m3
	Excess treated water	45
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	58	58	0	11.6	11.6	0	46.4	46.4

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	5-6m
	Size and no of RWH tank(s) and Quantity:	1 no. of RWH tank capacity: 25.93 m3
	Location of the RWH tank(s):	Basement 1
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	2.5 Lakh
	Budgetary allocation (O & M cost) :	0.5 Lakh
	Details of UGT tanks if any :	Basement: Fire tank : 200 m3, Domestic tank: 63.6 m3, Flushing:35 m3, RWH tank : 25.93 m3
35.Storm water drainage	**Natural water drainage pattern:**	The storm water collected through storm water drains of adequate capacity will be discharged into municipal SWD
	Quantity of storm water:	0.13 m3/s
	Size of SWD:	300 wide SWD starting depth 300 mm
Sewage and Waste water	**Sewage generation in KLD:**	Total sewage generation: 90 KLD [rehab: 65 KLD and Sale: 25 KLD]
	STP technology:	MBBR
	Capacity of STP (CMD):	1 no. STP (rehab): 90 KLD
	Location & area of the STP:	Location: Basement opening at Ground floor area of the STP: 70m2
	Budgetary allocation (Capital cost):	22 Lakhs
	Budgetary allocation (O & M cost):	3.6 Lakhs
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	90 kg/day
	Disposal of the construction waste debris:	scrap material will be disposed to Authorized Vendor
Waste generation in the operation Phase:	**Dry waste:**	244.6 kg/day
	Wet waste:	167.45 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	0.9 KLD
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Dry garbage will be segregated and disposed off to recyclers
	Wet waste:	Wet garbage will be composted using Organic Waste converter and InVessel Composter and used as Organic manure for landscaping
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	used as manure
	Others if any:	NA
Area requirement:	**Location(s):**	Ground floor
	Area for the storage of waste & other material:	9 m2
	Area for machinery:	9m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	10 Lakhs
	O & M cost:	1.5 Lakhs

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	326.95 m2
	No of trees to be cut :	10
	Number of trees to be planted :	50
	List of proposed native trees :	13
	Timeline for completion of plantation :	NA

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Ficus Religiosa	Pimpal	1	Pipal is large, fast growing deciduous glabrous tree
2	Manikara zapota	Chickoo	2	Fruit bearing tree
3	Michelia champaca	Champa	4	Evergreen and bird attractive tree
4	Mimusopes elengi	Bakul	4	Evergreen and timber yielding, medicinal plants
5	Ficus benjamica	Weeping Fig	7	Evergreen and bird attracting tree
6	Cassica fistula	Golden Shower	5	Drought tolerant and medicinal plant
7	Butea monosperma	Flame tree	7	Used in pesticide and dye preparation
8	Cassica grandis	Pink Shower	3	Drought tolerant and medicinal plant
9	Saraca indica	Sita ashoka	3	Evergreen medicinal plant
10	Roystonea regia	Royal Palm	4	Nitrogen fixer and ornamental plant
11	Syzygium cumini	Jambhul	3	Fruit bearing and bird attracting tree
12	Neolamarkia cadamba	Kadamba Tree	4	Tropical fruit tree and bird attracting tree
13	Mangifera indica	Mango tree	3	Evergreen and bird attracting tree
45.Total quantity of plants on ground				

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

Serial Number	Name	C/C Distance	Area m2
1	Natal lily	-	-
2	Big lily	-	-
3	Sonn Takka	-	-
4	Fire bush	-	-
5	Adulasa	-	-
6	Nirgudi	-	-
7	Spider Plant	-	-
8	Mogra	-	-
9	Chitrak	-	-

10	Kunti	--	-

47.Energy

Power requirement:	**Source of power supply :**	Tata Power
	During Construction Phase: (Demand Load)	350 KVA
	DG set as Power back-up during construction phase	1 DG set of capacity 1500 KVA
	During Operation phase (Connected load):	1530 KW
	During Operation phase (Demand load):	648 KW
	Transformer:	1 transformer 1000 KVA
	DG set as Power back-up during operation phase:	1 DG set of capacity 1500 KVA
	Fuel used:	Low sulphur High speed diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

•Solar lighting in common areas, garden and road
• Solar hot water for residential buildings
• Solar street lights will be propose

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	% of non-renewable energy saving	39%
2	% of renewable energy saving	1.57%

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:**	23 Lakhs
	O & M cost:	2.3 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	Barricading and dust suppression	Air pollution and Erosion control	4.5
2	Environmental Monitoring	Air, Water, Soil and Noise Monitoring	1.5

3	PPE for workers (gloves, spects, boots etc.)	site safety and health safety	5
4	bio-toilets and basins	site sanitation	3
5	Health Checkups	Health safety	3

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP (Capacity: 90 m3/day)	Sewage Treatment Plant	22 Lakhs	3.6 lakhs
2	IVC (Total Biodegradable waste: 244.59 kg/day)	solid waste management	10 Lakhs	1.5 lakhs
3	Landscaping (RG area: 326.95 m2)	plantation	4 lakhs	0.8 lakhs
4	RWH (Capacity: 25.93 m3/day)	Water Conservation - 1 RWH tank	2.5 lakhs	0.5 lakhs
5	Solar and Renewable system	Energy Conservation	23 lakhs	2.3 lakhs
6	DMP	Disaster Management Plan	73.67 Lakhs	5 lakhs
7	Basement Air Cleaning Design	-	15 Lakhs	2.5 lakhs
8	Compliance Monitoring	-	-	1.5 lakhs

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	2 entry/ exits at 30 m wide T. P. road and 1 entry/exit at 90m S.K. Bole road

Parking details:	**Number and area of basement:**	01 Basement Area: 1346.37 m2 (Rehab Building), 1539 m2 (Sale Building)
	Number and area of podia:	NA
	Total Parking area:	1813.52 m2
	Area per car:	Basement : 30.60 m2, Ground: 93.43 m2
	Area per car:	Basement : 30.60 m2, Ground: 93.43 m2
	Number of 2-Wheelers as approved by competent authority:	48
	Number of 4-Wheelers as approved by competent authority:	64 (Sale) & 63 (Rehab)
	Public Transport:	NA
	Width of all Internal roads (m):	6 mt for 4 wheelers and for CFO, 13 mt for HMV and LCV
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8(a)-B2
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

PP Mr.Thomos Rajan was present during the meeting along with environmental consultant M/s. Pollution & Ecological Control Services

PP informed that, the project under consideration is new *Housing project with Commercial Redevelopment project. PP further stated that, t*he total plot area of the project is 4022.61 Sq.mt. having total construction area 23839.18 Sq.mt.(FSI -14356.07 sq.mt + NON FSI-Total – 9483.12 sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Building 1	Basement + Ground floor + 1st to 24th floor + Terrace	75.65m
Building 2	Basement + Ground floor + 1st to 8th commercial floor + Terrace	34.05m

The project proponent informed that, the MCGM has approved plans in year 2017 for TBA 17000 sqmtr. with FSI 2.8

As “mahim bay” accepted as a bay, FSI has been increased to 3 and accordingly vertical expansion is proposed.

Before appraising the proposal, PP to submit structural report specifying how the building will be retrofitted to withstand load of proposed 24 floors instead of 15 floors which were

DECISION OF SEAC

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

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

Agenda of 93rd Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 93rd **Meeting Date** March 26, 2019

Subject: Environment Clearance for Proposed residential cum commercial development at Dadar (W), Mumbai

Is a Violation Case: No

1.Name of Project	Proposed residential cum commercial development at Dadar (W), Mumbai
2.Type of institution	Private
3.Name of Project Proponent	M/s. Colocolor Pvt. Ltd.
4.Name of Consultant	EIA Coordinator: Saurabh Jaiswar (Pollution & Ecological Control Services)
5.Type of project	Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	new project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Plot No.484, TPS IV, Mahim Div., M. C. Jawle Marg & Bhavani Shankar Marg, Dadar (W), Mumbai 400 028
9.Taluka	Mumbai
10.Village	Mumbai
Correspondence Name:	Mr. Deepak Devji Patel, Director of M/s. Colocolor Pvt. Ltd
Room Number:	NA
Floor:	1st floor
Building Name:	Dadar Departmental store
Road/Street Name:	M.C. Jawle Marg
Locality:	Dadar (West)
City:	Mumbai 400028
11.Area of the project	Municipal Corporation of Greater Mumbai (MCGM)
12.IOD/IOA/Concession/Plan Approval Number	IOD
	IOD/IOA/Concession/Plan Approval Number: Building 1: CHE/CTY/1250/G/N/337(NEW) Building 2: CHE/CTY/1251/G/N/337(NEW)
	Approved Built-up Area: 12710.96
13.Note on the initiated work (If applicable)	no work is started yet
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Building 1: CHE/CTY/1250/G/N/337(NEW) Building 2: CHE/CTY/1251/G/N/337(NEW)
15.Total Plot Area (sq. m.)	3471.59 m2
16.Deductions	118.15 m2
17.Net Plot area	3353.44 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 16280.62
	b) Non FSI area (sq. m.): 17482.34
	c) Total BUA area (sq. m.): 33762.96
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 12693.84
	Approved Non FSI area (sq. m.): 10985.23
	Date of Approval: 19-08-2017
19.Total ground coverage (m2)	1605.81 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	48%
21.Estimated cost of the project	844074000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building 1 (rehab)	1 Service Basements+ Ground Floor+ 1st to 21st Residential floors +Terrace	68.85
2	Building 2 (sale)	1 Service Basements+ Ground Floor+ 1st to 9th Residential floors+ Service Floor + 10th to 45th Residential floors +Terrace	180.15

23.Number of tenants and shops	Building 1 (rehab): Flats - 56, shops- 14 Building 2 (sale): Flats- 145, shops- 13
24.Number of expected residents / users	1162(Residents: 953, Commercial : 103, Visitors: 106)
25.Tenant density per hectare	599
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	24.40m Bhawani Shankar Marg
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	minimum of 9m
29.Existing structure (s) if any	There are no structures on the plot
30.Details of the demolition with disposal (If applicable)	The existing structures on site has been demolished and the Demolition waste has been disposed of as per the "Construction Demolition Waste (Management &. Disposal) Rules 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
	Fresh water (CMD):	88
	Recycled water - Flushing (CMD):	47
	Recycled water - Gardening (CMD):	3
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	138
	Fire fighting - Underground water tank(CMD):	Fire tank 1 : 197m3, Fire tank 2: 202 m3
	Fire fighting - Overhead water tank(CMD):	-
	Excess treated water	71
Wet season:	**Source of water**	MCGM
	Fresh water (CMD):	88
	Recycled water - Flushing (CMD):	47
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	135
	Fire fighting - Underground water tank(CMD):	Fire tank 1 : 197m3, Fire tank 2: 202 m3
	Fire fighting - Overhead water tank(CMD):	-
	Excess treated water	74
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	0	88	88	0	13.2	13.2	0	74.8	74.8

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	5-6m
	Size and no of RWH tank(s) and Quantity:	1 RWH tank : 25 m3
	Location of the RWH tank(s):	service basement 1
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	4.2 Lakhs
	Budgetary allocation (O & M cost) :	1 Lakhs
	Details of UGT tanks if any :	Service Basement: Fire tank 1- 197 m3, Fire tank 2- 202 m3, Domestic tank- 75 m3, Flushing tank- 40 m3, RWH tank- 25 m3
35.Storm water drainage	**Natural water drainage pattern:**	The storm water collected through storm water drains of adequate capacity will be discharged into Municipal SWD
	Quantity of storm water:	0.0642 m3/sec
	Size of SWD:	internal discharge points of 450mmx 300 mm with slope 1:300
Sewage and Waste water	**Sewage generation in KLD:**	122 KLD
	STP technology:	MBBR (Moving Bed Bio-film Reactor)
	Capacity of STP (CMD):	1 no. of STP of capacity 125 m3/day
	Location & area of the STP:	Service Basement 1
	Budgetary allocation (Capital cost):	35 Lakhs
	Budgetary allocation (O & M cost):	3.6 Lakhs
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	50 kg/day Municipal solid
	Disposal of the construction waste debris:	scrap material will be disposed to Authorized Vendor
Waste generation in the operation Phase:	**Dry waste:**	185.28 kg/day
	Wet waste:	330.22 kg/day
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable

Mode of Disposal of waste:	**Dry waste:**	Dry garbage will be further segregated into recyclable and non-recyclable and will be handed over to the authorized recycler
	Wet waste:	The bio-degradable waste will be converted to compost by using In-vessel composting units are as curing units
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable
Area requirement:	**Location(s):**	Service basement
	Area for the storage of waste & other material:	Approx. 25 m2 including area for machinery
	Area for machinery:	Approx. 25 m2 including area for the storage of waste and other material
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	10 lakhs
	O & M cost:	1.5 lakhs

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

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

43.Green Belt Development	**Total RG area :**	400.05 m2
	No of trees to be cut :	5
	Number of trees to be planted :	57
	List of proposed native trees :	13
	Timeline for completion of plantation :	NA

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Ficus Religiosa	Pimpal	1	Pimpal is large, deciduous, fast growing and glabrous tree
2	Manikara zapota	Chickoo	2	Fruit bearing tree
3	Michelia champaca	Champa	4	Evergreen and bird attracting tree
4	Mimusopes elengi	Bakul	4	Evergreen tree, timber yielding and medicinal plants
5	Ficus benjamica	Weeping fig	8	Evergreen and bird attracting tree
6	Cassica fistula	Golden shower	6	Drought tolerant and medicinal plant
7	Butea monosperma	Flame tree	8	used in pesticide and dye preparation
8	Cassica grandis	Pink shower	4	Drought tolerant and medicinal plant
9	Saraca indica	Sita ashoka	3	evergreen medicinal plant
10	Roystonea regia	Royal palm	4	nitrogen fixer and ornamental plant
11	Syzygium cumini	Jambhul	4	fruit tree and bird attracting tree
12	Neolamarkia cadamba	Kadamb tree	5	tropical fruit tree and bird attracting tree
13	Mangifera india	Mango tree	4	Evergreen and bird attracting tree
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	BEST
	During Construction Phase: (Demand Load)	330 KW from BEST
	DG set as Power back-up during construction phase	1 DG set of capacity 750 KVA
	During Operation phase (Connected load):	1401.12 KW(Building 1- Rehab) 2251.98 KW(Building 2-Sale)
	During Operation phase (Demand load):	361.12 KW(Building 1- Rehab), 629.26 KW(Building 2-Sale)
	Transformer:	NA
	DG set as Power back-up during operation phase:	1 DG set of capacity 750 KVA
	Fuel used:	Low sulphur High speed Diesel
	Details of high tension line passing through the plot if any:	NO

48.Energy saving by non-conventional method:

Natural shading through elevation features to minimize heat gain and reduce air-conditioning requirement
- Use of low-e glass to reduce power requirement
- Solar lighting in common areas, garden and road
- Solar hot water for residential buildings
- Solar street lights will be proposed

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total energy saving for Building 1	18.30%
2	Total energy saving for Building 2	17.86%

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:**	62 Lakhs
	O & M cost:	2.3 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	Dust suppression measures and barricading	Erosion control	4.5
2	supply of personal protective equipment	site safety	5

3	facility of bio-toilets and basins	site sanitation	3
4	Health check-ups on regular intervals	disinfection and health check-up	3
5	air, water and noise monitoring	environmental monitoring	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	STP (Capacity: 125 m3/day)	waste water treatment	35	3.6
2	MSW (Total Biodegradable waste: 319.69 kg/day	In-vessel composter as curing units of solid waste	10	1.5
3	RWH (1 RWH tank) Capacity: 25 m3/day	RWH tank	4.2	1
4	Landscaping (RG area: 400.05 m2)	maintenance of garden area	4	0.8
5	DMP	Disaster management plan for manmade and natural disaster	191	38.27
6	Solar and Renewable system	-	62	2.3
7	Compliance Monitoring	-	1.5	-

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1 entry/exit at Bhawani Shankar Marg

Parking details:	**Number and area of basement:**	1 service basement
	Number and area of podia:	2nd to 8th Podium Parking (Total 7): area of Podium 759.39m2
	Total Parking area:	1677.5 m2
	Area per car:	13.75 m2
	Area per car:	13.75 m2
	Number of 2-Wheelers as approved by competent authority:	59
	Number of 4-Wheelers as approved by competent authority:	Building 1 (Rehab)- 24 Building 2 (sale) 214
	Public Transport:	NA
	Width of all Internal roads (m):	6m for 4-wheelers, 9m for CFO, 13m for HMV and LCV
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	category 8(a) B2
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

PP Mr.Deepak Patel was present during the meeting along with environmental consultant M/s. Pollution & Ecological Control Services.

PP informed that, the project under consideration is *proposed new Housing project. PP further stated that, t*he total plot area of the project is 3471.59 Sq.mt having total construction area33762.96Sq.mt.(FSI 16280.62 sq.mt +NON FSI- Total 17482.34 sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Building 1 (rehab) Building 2 (sale)	1 Service Basements+ Ground Floor+ 1st to 21st Residential floors +Terrace 1 Service Basements+ Ground Floor+ 1st to 9th Residential floors+ Service Floor + 10th to 45th Residential floors +Terrace180.15	68.85

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

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

Specific Conditions by SEAC:

1) PP to submit the copy of HRC NoC.
2) PP to submit the copy of CFO NoC.
3) PP to explore possibilities to reuse excess treated water.
4) PP to provide wind barrier at terrace level to reduce wind speed and to achieve comfortable zone. PP also to take measures for reducing daylight glaze at the upper levels.
5) PP to provide contiguous RG and not in patches. PP to submit revised plan accordingly.
6) PP to provide clear 6 mt circulatory drive way.
7) Committee noted that, the retrieval time is 38 min. which is too high. PP to restudy the parking design & accordingly submit the revised design & calculations.
8) PP to submit CER prescribed by MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project. The specific activities to be undertake under CER to be got approved from collector/ local body or Environment Department.

FINAL RECOMMENDATION

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

Agenda of 93rd Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 93rd **Meeting Date** March 26, 2019

Subject: Environment Clearance for Building And Construction Project

Is a Violation Case: No

1.Name of Project	M/S Shreenath Enterprises
2.Type of institution	Private
3.Name of Project Proponent	M/S Shreenath Enterprises
4.Name of Consultant	EIA Coordinator : Sourabh Jaiswar; M/s SGM Corporate Consulatnt Pvt LTD
5.Type of project	Building And Construction Project
6.New project/expansion in existing project/modernization/diversification in existing project	Amalgamation
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Gut No.-133,Gut No.-134,H.No.1 &2, At Village-Umroli,Tal & Dist-Palghar
9.Taluka	Palghar
10.Village	Umroli
Correspondence Name:	Naresh Jain
Room Number:	303
Floor:	G
Building Name:	Shalibhadra Regency
Road/Street Name:	100 Feet, Nalasopara,Link Road
Locality:	Nalasopara (West)
City:	Vasai Virar
11.Area of the project	VVCMC
12.IOD/IOA/Concession/Plan Approval Number	Approved From Collector
	IOD/IOA/Concession/Plan Approval Number: 113/12 and 232/17 dated 03-05-2013
	Approved Built-up Area: 30468.11
13.Note on the initiated work (If applicable)	Construction work completed At gut no 133 is about 17450.00 sq.m and at Gut No 134 is 9250 sq.m
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	38250.00
16.Deductions	4014.81
17.Net Plot area	33925.13
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 32924.89
	b) Non FSI area (sq. m.): 06967.70
	c) Total BUA area (sq. m.): 39892.52
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 30468.11
	Approved Non FSI area (sq. m.): 3614.87
	Date of Approval: 03-05-2013
19.Total ground coverage (m2)	12240
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	28
21.Estimated cost of the project	450000000

22.Number of buildings & its configuration

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

1	12 BUILDINGS	G+ 4	14.85
2	02 BUILDINGS	G + 7	23.40

23.Number of tenants and shops	FLATS: 815No, Shops : 176 No
24.Number of expected residents / users	3260
25.Tenant density per hectare	285
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	18.0 m
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	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**	MJP
	Fresh water (CMD):	300
	Recycled water - Flushing (CMD):	155
	Recycled water - Gardening (CMD):	30
	Swimming pool make up (Cum):	00
	Total Water Requirement (CMD) :	485
	Fire fighting - Underground water tank(CMD):	100
	Fire fighting - Overhead water tank(CMD):	25
	Excess treated water	163

Wet season:	**Source of water**	MJP
	Fresh water (CMD):	408
	Recycled water - Flushing (CMD):	155
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	00
	Total Water Requirement (CMD) :	455
	Fire fighting - Underground water tank(CMD):	100
	Fire fighting - Overhead water tank(CMD):	25
	Excess treated water	193
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:**	8-10
	Size and no of RWH tank(s) and Quantity:	3 X 50 cum
	Location of the RWH tank(s):	Ground
	Quantity of recharge pits:	06
	Size of recharge pits :	1.5 x1.5 x 2.0
	Budgetary allocation (Capital cost) :	12.0
	Budgetary allocation (O & M cost) :	0.75
	Details of UGT tanks if any :	Total U.G tank Domestic capacity is 300 and Flushing is 160

35.Storm water drainage	**Natural water drainage pattern:**	Towards West Side
	Quantity of storm water:	0.74 cum/sec
	Size of SWD:	600 x 800 mm

Sewage and Waste water	**Sewage generation in KLD:**	387
	STP technology:	Nature Based or MBBR Technology
	Capacity of STP (CMD):	2 (250 & 150) cum
	Location & area of the STP:	Ground
	Budgetary allocation (Capital cost):	75
	Budgetary allocation (O & M cost):	9.2

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	250 to 500 kg per day
	Disposal of the construction waste debris:	used at sire for making internal roads and for levelling of low lyiing area
Waste generation in the operation Phase:	**Dry waste:**	880 kg
	Wet waste:	1250 kg
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	25 KG
	Others if any:	NA
Mode of Disposal of waste:	**Dry waste:**	Segregation and handed over to Local authority
	Wet waste:	convert into compost though invessel composting
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Manure
	Others if any:	NA
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	75 sq.m
	Area for machinery:	15 sq.m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	15.50 Lakhs
	O & M cost:	4.00 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 :**	3800.36
	No of trees to be cut :	NA
	Number of trees to be planted :	390
	List of proposed native trees :	Enclosed
	Timeline for completion of plantation :	DEC19

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	Azardiractha indica	Neem	80	Shady tree for roadside plantation and has medicinal uses
2	Plumeria alba	Franjipani	50	Ornamental plant with medicinal value
3	Cassia fistula	Indian Labrenum	50	Native, deciduous, medicinal value
4	Mangifera indica	Aam	50	Fruit Bearing Tree, native, evergreen, attracts birds & insects, cultural significance
5	Syzyguim jambos	jamun	25	Fruit bearing tree, Large tree, medicinal plant,Bird host plant.

6	Jacaranda mimosifolia	Jacaranda	25	Deciduous tree, spreading type.with purple flowers
7	Pongamia pinnate	Karanj	25	Native & medicinal value
8	Swetenia mahagony	Mahagony	15	Native, deciduous, control soil erosion
9	Saraca indica	Ashoka	100	Native & medicinal value
10	Cocos nucifera	Cocunut	50	Native & medicinal value
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	Enclosed	enclosed	Enclosed

47.Energy

Power requirement:	**Source of power supply :**	MSEB
	During Construction Phase: (Demand Load)	100 KVA
	DG set as Power back-up during construction phase	50 KVA
	During Operation phase (Connected load):	4850 KW
	During Operation phase (Demand load):	3250 KVA
	Transformer:	5 X 630 KVA
	DG set as Power back-up during operation phase:	4 X 125 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Auto Timer control for external & Common lighting, Use of CFL / LED lamps in all public/ common areas, Solar lighting for common areas, VFD lifts

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Auto Timer control for external & Common lighting, Use of CFL / LED lamps in all public/ common areas, Ssolar lighting for common areas, VFD lifts	16 % energy saving through above measures

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:**	55.00 Lakhs
	O & M cost:	5.50 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	Drinking water	as per standard	2.50
2	Sanitation	pH, BOD, COD, SS	7.50
3	Health Check Up	TB, Blood check up, ECG, dengue etc	3.50
4	Labour camp	Hygiene, Insecticide,	4.50

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewerage Treatment Plant	pH, BOB, COD, TSS etc	75.0	9.20
2	Rain Water Harvesting	Oil & Grease, pH ETC	12.0	0.75
3	Solid waste Mangement	Wet & Dry waste,	15.50	4.00
4	Energy Saving Measures	LED, Solar etc	55.0	5.50
5	Greenbelt	Plantation	25.0	3.0
6	Environmental Monitoring	Air, water, Noise, Soil	00	2.10

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:	Two

Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	4235.70
	Area per car:	15.50 SQ.M
	Area per car:	15.50 SQ.M
	Number of 2-Wheelers as approved by competent authority:	1291
	Number of 4-Wheelers as approved by competent authority:	60
	Public Transport:	Train
	Width of all Internal roads (m):	6.0 and 12.0 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8(a B2
	Court cases pending if any	NA
	Other Relevant Informations	Submitted on Parivesh portal on dated 21-09-2018 our file no is SIA/MH/NCP/78964/2018
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	21-09-2018

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

PP Mr. Kisansingh Rajput was present during the meeting along with environmental consultant M/s. SGM Corporate Consultant Pvt LTD.

PP informed that, the project under consideration is *proposed Housing project. PP further stated that, t*he total plot area of the project is 38250.00 Sq.mt having total construction area48601.39 Sq. mt. (FSI -40276.67 Sq.mt+ NON FSI-8324.72 Sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height of the building (Mtrs)
14 BUILDINGS	G+ 4 & G + 7	23.40

PP further informed that, the two individual plots with construction done on each plot, 17450 sqmtr and 9250 sqmtr respectively, has been amalgamated and hence FSI increased from 0.7 to 1 FSI.

DECISION OF SEAC

During meeting, PP requested time to relook the project. Committee agreed to this and accordingly***, the proposal is deferred.***

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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