Agenda of 92nd Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 92 **Meeting Date** March 14, 2019

Subject: Environment Clearance for "SUN CITY" Residential and Commercial Project.

Is a Violation Case: No

1.Name of Project	Environmental Clearance for "SUN CITY" Residential and Commercial Project.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Rakesh Kumar Wadhawan Address: Deewan Tower, Station road Vasai road , Thane -401202
4.Name of Consultant	Name-Mr. H.K. Desai Address: M/s. Enviro Analysts and Engineers Pvt. Ltd. B-1003, Enviro House, 10thFlr. Western Edge II, Western Express Highway, Borivali (E), Mumbai-400 066. Tel.: 28541647/48/67/68, Fax: 28541290
5.Type of project	Residential cum commercial
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	At S.NO. 96, H.NO. 11,14,8,15,5, 12, 1A, 7, 10, 2, 4A, 13,3,9,1B,4B&6, S.NO. 97, H.NO.1, 4, 6, 7, S.NO.108, H.NO.3, 4, 5, 6, 7, 8, 9, 15, 18, 19, S.NO.109, H.NO. 2A,2B,2C,3,4,5,6,7,8,9,10,11,12,13, 14, 15, 16, 17A,17B,17C,19,20, S.NO.111,H.NO. 1A, 3, 2, 4, 1B &5, S.NO. 110,H.NO. 1B,9,8, 11,3,7, 1A,2,4,6,10&5, S.NO.112,H.NO. 6, 3,5,2,1,4&7, S.NO. 113, H.NO.2, 3 & 1, S.NO.92, H.NO.4B, 4A,1,3,4C&2, S.NO.90,H.NO. 1,5,4&3, S.NO. 93, H.NO. 5, 2,1,4&3.S.NO. 94, S.NO.91, H-NO-2A, 2B& 2C,S.NO. 70, H.NO. 4&2. S. No. 91, H. No. 3/1, S. No. 95, H. No. 2,3,4,5, S. No. 97, H. No. 4,6,7,8, S. No. 98, H. No. 3,5 ,6,7,9, S. No. 106, H. No. 1,2,3,4, S. No. 107, H.No.1,2, 3,4,5,6,7,8,9,10, 11,12,13,14,15, 16, 17, 18,19, S. No. 108, H. No. 1,2,10,12,13,14,16,17,20,21, S. No. 109, H. No. 1,18, 21, Village: Diwanman & S. No. 24, H. No. 1, 2,3,4/2,4/4,8, S. No. 25, H. No. 6/9, 6/10, 8A, 8B, 8C, 9, S. No. 26, H.No. 1, 2, 3, 4A,4B,4C, 5, 6, 7, 8, 9, 10,11,12,13,14, S. No. 27, H. No. 1, 2, 3,4,5,6,7,8,9,10,11,12,13,14, S. No. 28, H. No. 4A,4B, S. No. 33, H. No. 8, 11, 12, 13A, 13B,15,18, S. No. 34, H. No. 1,2,3, 4,5,6,7,8,9, 10,11,12,13,14,15, 16,17,18, 19, 20,21, 22, 23,24,25,26, 4D, 4E,5, S. No. 37, H. No. 12, S. No. 38, H. No. 1A, 1B, 7A,7B, S. No. 205 S.NO. 192 of Village – Chulne & Diwanman, Vasai (W), Thane.
9.Taluka	thane
10.Village	Chulne & Diwanman
Correspondence Name:	Rakesh Kumar Wadhawan
Room Number:	-
Floor:	-
Building Name:	Deewan Tower
Road/Street Name:	Vasai Station road
Locality:	Vasai
City:	thane
11.Area of the project	Vasai Virar City Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	YES
	IOD/IOA/Concession/Plan Approval Number: CIDCO/VVSR/RDP/BP 3602 & 4503/W/5976.
	Approved Built-up Area: 194565
13.Note on the initiated work (If applicable)	Phase I - 62 nos of buildings (St/G +7 & G+1), prior to EIA Notification 2004
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	yes, CIDCO/VVSR/RDP/BP 3602 & 4503/W/5976 – 09/03/2010
15.Total Plot Area (sq. m.)	2,45,870.00 sq m
16.Deductions	86,065 sq m
17.Net Plot area	1,59,805.01 sq m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 85,127.74
	b) Non FSI area (sq. m.): 26,239.56
	c) Total BUA area (sq. m.): 111368

18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 1,94,612.69
	Approved Non FSI area (sq. m.): 26,239.56
	Date of Approval: 09-03-2010
19.Total ground coverage (m2)	-
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	27 %
21.Estimated cost of the project	2400000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Residential Buildings - 20 nos.	St / Gr + 14 floors	44.12
2	Row Houses 75 nos.	G+1 Floors	6.70

23.Number of tenants and shops	Residential – 1340 nos. and Row Houses – 75 nos. Shops – 88 nos.
24.Number of expected residents / users	Residential: 7075 nos. Shops: 176 nos. Total: 7251 nos.
25.Tenant density per hectare	205
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	30.0 mt wide DP road (Vasai Gass road)
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	7.5 m wide
29.Existing structure (s) if any	Phase I – 62 nos. of buildings constructed, construction has been completed which was commenced prior to EIA notification 2004.
30.Details of the demolition with disposal (If applicable)	there will be no demolition during Phase II development

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**	VVCMC & Recycled water
	Fresh water (CMD):	641
	Recycled water - Flushing (CMD):	322
	Recycled water - Gardening (CMD):	152
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	1115
	Fire fighting - Underground water tank(CMD):	300 cum – 2 tanks & 250 cum – 2 tanks
	Fire fighting - Overhead water tank(CMD):	100 cum
	Excess treated water	335 KLD
Wet season:	**Source of water**	VVCMC & Recycled water
	Fresh water (CMD):	641
	Recycled water - Flushing (CMD):	322
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	936
	Fire fighting - Underground water tank(CMD):	300 cum – 2 tanks & 250 cum – 2 tanks
	Fire fighting - Overhead water tank(CMD):	100 cum
	Excess treated water	487 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:**	3 m - 4 m
	Size and no of RWH tank(s) and Quantity:	RWH tank 1: 150 cum; RWH: 250 cum
	Location of the RWH tank(s):	Underground
	Quantity of recharge pits:	12 nos.
	Size of recharge pits :	1.5m x 1m x 2.5m
	Budgetary allocation (Capital cost) :	Rs. 42 lakhs
	Budgetary allocation (O & M cost) :	2.5 lakh / yr
	Details of UGT tanks if any :	Location of tanks – At ground / Stilt level Domestic Tank= 642 cum Flushing Tank= 322cum Fire Tank = 300 Cum, 2 tanks and 250 cum 2 tanks.
35.Storm water drainage	**Natural water drainage pattern:**	As per the natural slope of the plot.
	Quantity of storm water:	4.7 cum/sec
	Size of SWD:	0.45 m x 0.30 m
Sewage and Waste water	**Sewage generation in KLD:**	899
	STP technology:	SBR (Sequential Batch Reactor)
	Capacity of STP (CMD):	920 KLD
	Location & area of the STP:	Ground level and 736 sq m
	Budgetary allocation (Capital cost):	Rs. 180 lakhs
	Budgetary allocation (O & M cost):	Rs. 24 lakhs
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Empty cement bags: 13134 nos.; Steel: 40 MT; Scrap: 25 tons; Aerocan lightweight block: 17,865 Sq.m; Tiles/Marble & granite: 2500 sq m; Aluminum windows: 1270 sq m.
	Disposal of the construction waste debris:	Empty cement bags: Shall be sold to recyclers; Steel: Steel cut pieces shall be used as spacers and chairs in the structure and wastage of steel (balance non-usable steel of odd lengths) is sent for recycling; Scrap: Sold for recycling; Aerocan lightweight block: Block masonry assumed for toilet blocks only and other walls will be dry walls; Tiles/Marble & granite: To be used as crazy marble flooring in common areas and balance to be used for land filling. Aluminum windows: To be sent for recyc
Waste generation in the operation Phase:	**Dry waste:**	1441 Kg/day
	Wet waste:	2136 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	45 kg/day
	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):**	ground
	Area for the storage of waste & other material:	125 sq m
	Area for machinery:	10 sq m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 16 lakhs
	O & M cost:	Rs. 4 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 :**	30,384.84 Sq. m
	No of trees to be cut :	NA
	Number of trees to be planted :	856 nos.
	List of proposed native trees :	As given below
	Timeline for completion of plantation :	Before Completion of project

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Peltophorum pterocarpum	Copper pod	45	-
2	Azadirachta indica	Neem	48	-
3	Erythrina indica	Coral tree	48	-
4	Mangifera indica	Mango tree	52	-
5	Cocos nucifera	Coconut tree	46	-
6	Aeglemar melos	Bael	48	-
7	Bombaxceiba	Red Silk Cotton	42	-
8	Terminaliacatappa	Badam	48	-
9	Pongamiaglabra	Karaj	44	-
10	Micheliachampaca	Champaka	42	-
11	Ficus racemosa	Umber	54	-
12	Butea monosperma	Palas	48	-
13	Mimusopselengi	Bakul	45	-
14	Borassusflabellifer	Toddy Palm	44	-
15	Bahuinea purpurea	Kanchan	48	-
16	Lagerstroemia speciosa	Taman	46	-
17	Ficus religiosa	Peepal	16	-
18	Terminalia bellirica	Baheda tree	46	-
19	Plumeriarubra	Chafa	46	-
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	80 kW
	DG set as Power back-up during construction phase	100 KVA
	During Operation phase (Connected load):	17004 kW
	During Operation phase (Demand load):	8189 kW
	Transformer:	5 x 2500 KVA
	DG set as Power back-up during operation phase:	1 X 500 KVA, 1 x 100 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

• Energy efficient lifts of 10HP capacity considered instead of the conventional 15HP lifts.
• LED light fixtures have been considered instead of the conventional CFL & PL light fixtures.
• Roof tops to be provided with the solar panels having battery back up for 8 - 10 hours. However the lights would have to be connected to the main
electrical lines during monsoons. LED lights considered.
• Stand alone solar operated street lights to be used. However, the lights would have to be connected to the main electrical lines during monsoons. LED
lights considered.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total % Savings	13

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. 100 lakhs
	O & M cost:	Rs. 5 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 Environment	Water Sprinkling, Green Belt Development, Covered storage area	15

2	Noise Environment	Noise Barricades and Green Belt Developments	8
3	Water Environment	Modular STP, Drainage with sedimentation tanks	6
4	Good Health Practices	Site Sanitation & Health Care	8
5	Environment Monitoring	Air, water, noise soil monitoring during construction phase	22

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	42	2.5
2	Waste water management	STP	180	24
3	Solid waste management	OWC	16	4
4	Landscaping	Green Belt Development	60	6
5	Energy conservation	Solar saving	100	5

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	2

Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	-
	Area per car:	32 sq m
	Area per car:	32 sq m
	Number of 2-Wheelers as approved by competent authority:	403 nos.
	Number of 4-Wheelers as approved by competent authority:	349 nos.
	Public Transport:	NA
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	As per the IRS Chennai report the salinity concentration was found to be less than 5 ppm in both winter and summer season. It is concluded that there was no tidal influence in the nallahs near by the site. And as per draft map published by MCZMZ, the project site dies not fall in CRZ. The remarks from VVCMC, the site does not fall under the purview of CRZ Notification 2011, as per draft CZMP proposed by CESS
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8(B)
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	17-11-2018

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. Residential cum commercial.

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 2,45,870.00 Sq.mt. having total construction area area 111368 Sq.mt. (FSI - 85,127.74 sq.mt + NON FSI- Total – 26,239.56 sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Residential Buildings - 20 nos.	St / Gr + 14 floors	44.12
Row Houses 75 nos.	G+1 Floors	6.70

It is noted that the project earlier considered in 88th Meeting (Day-2) held on 12-02-2019 & was deferred with observations to submit the 1) letter from local planning authority regarding the all survey numbers of the plots under consideration

falls in CRZ or not.2)certificate from Competent Wetland Authority in respect of all survey numbers and their sub divisions (pot-hissas) which form part of the project as to whether all or any of these fall as wetland in the existing wetland atlas or not.

The project proposal was discussed on the basis of presentation made and documents submitted by the proponent. All issues related to environment, including air, water, land, soil, ecology and biodiversity and social aspects were discussed. Committee noted that the project is under 8a (B2) category of EIA Notification, 2006. Consolidated statements, synopsis of compliances, form 1, 1A, presentation & plans submitted are taken on the

DECISION OF SEAC

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 letter from Competent Wetland Authority/Collector in respect of all survey numbers and their sub divisions (pot-hissas) which clearly states the all or any of these survey numbers and their sub divisions (pot-hissas) fall as wetland in the existing wetland atlas or not.

FINAL RECOMMENDATION

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

Agenda of 92nd Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 92 **Meeting Date** March 14, 2019

Subject: Environment Clearance for "Mohan Willows" proposed housing complex on property bearing S. No. 64, S. No. 65, H. No. 1, S. No. 66 and S. No. 67, H. No. 1A & 1B of village Shirgaon, Tal- Ambernath, Dist-Thane by M/S Mohan Lifespaces LLP

Is a Violation Case: No

1.Name of Project	"Mohan Willows" proposed housing complex
2.Type of institution	Private
3.Name of Project Proponent	M/S Mohan Lifespaces LLP Mr. Manohar Manchandya
4.Name of Consultant	M/s. Enviro Analysts & Engineers Pvt. Ltd. Mr. H. K Desai
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	Property bearing S. No. 64, S. No. 65, H. No. 1, S. No. 66 and S. No. 67, H. No. 1A & 1B of village Shirgaon, Tal- Ambernath, Dist-Thane
9.Taluka	Ambernath
10.Village	village Shirgaon, Tal- Ambernath, Dist-Thane
Correspondence Name:	Mr. Manohar Manchandya, M/S Mohan Lifespaces LLP
Room Number:	G1
Floor:	ground floor
Building Name:	Mohan Plaza, Khadakpada, Next to Mohan Pride
Road/Street Name:	-
Locality:	Wayle ,Nagar,Kalyan (W)
City:	Kalyan
11.Area of the project	Kulgaon Badlapur Municipal Council
12.IOD/IOA/Concession/Plan Approval Number	yes
	IOD/IOA/Concession/Plan Approval Number: 1) for S No 64 (A2,B2)=Plot area =6800.00 sq.m. FSI : 5943.72 Sqr Mtrs NON FSI : 2729.45 Sqr Mtrs Total (A2,B2) -8673.17 Sqr Mtrs As per approval no KBMC/T.D.P/BP/1093-155 Dt . 3/2/2017 2) For S No 66 & 67 (A to E) = Plot area = 15890.00 sq.m. FSI : 14368.20 Sqr Mtrs Non Fsi 5478.18 Sqr Mtrs Total (A-E): 19846.38 Sqr mtrs As per Approval Number :KBMC /TDP/BP/1689-173 dated : 4/9/2014 Previously separate plot. Now amalgamated to avail the TDR for entire project.
	Approved Built-up Area: 67502.94
13.Note on the initiated work (If applicable)	1) For S No 64 (A2,B2)= Plot area =6800.00 sq.m. FSI : 5943.72 Sqr Mtrs NON FSI : 2729.45 Sqr Mtrs Total (A2,B2) -8673.17 Sqr Mtrs As per approval no KBMC/T.D.P/BP/1093-155 Dt . 3/2/2017 2) For S No 66 & 67 (A to E) = Plot area = 15890.00 sq.m. FSI : 14368.20 Sqr Mtrs Non Fsi 5478.18 Sqr Mtrs Total (A-E): 19846.38 Sqr mtrs As per Approval Number :KBMC /TDP/BP/1689-173 dated : 4/9/2014
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Approvals received by Kulgaon Badlapur Nagar Parishad 1. Javak no./KBNP/BP/1689-173/2014-2015 dtd. 04-09-2014 2. Javak no./KBNP/BP/1093-155/2016-2017 dtd. 03-02-2017 3. Javak no./KBNP/BP/9441-162/2017-2018 dtd. 19-12-2017 For total approved area of 67502.94sq.m. Total FSI approved=42973.24sq.m. Total non FSI approved = 24529.70sq.m.
15.Total Plot Area (sq. m.)	30050.00 sq.m.
16.Deductions	11435.57 sq.m. (12 m & 15m wide road,Garden reservation area,R. G Area (10%), Amenity Area (5%) etc.)
17.Net Plot area	18614.43 sq.m.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 42973.24Sq.m.
	b) Non FSI area (sq. m.): 24529.70Sq.m.
	c) Total BUA area (sq. m.): 67502.94

18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 42973.24Sq.m.
	Approved Non FSI area (sq. m.): 24529.70Sq.m.
	Date of Approval: 03-02-2017
19.Total ground coverage (m2)	3199.80 sq.m.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	17.18%
21.Estimated cost of the project	1250000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Wing A	ST+12 Floors	37.35
2	Wing B	ST+10 Floors	31.65
3	Wing C	ST+12 Floors	37.35
4	Wing D	ST+10 Floors	31.65
5	Wing E	ST+12 Floors	37.35
6	Wing F	G+2 Floors(shops + Club House)	13.05
7	Wing G	ST+24 Floors	70.65
8	Wing H	ST+24 Floors	70.65
9	Wing I	ST+24 Floors	70.65
10	Wing J	Grd Flr(Shops)	4.65
11	Wing A2	ST+12 Floors	37.35
12	Wing B2	ST+12 Floors	37.35

23.Number of tenants and shops	No. of Flats = 958Nos. No. of Shops = 25 Nos. Commercial area: 1141 sq. m
24.Number of expected residents / users	Residential = 4941 Nos. ,Shops = 75 ,Commercial =114 ,Total = 5130Nos.
25.Tenant density per hectare	531tenements/hector
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	15.00 Mtr Wide DP Road , 12.00 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	Min 9.00 m
29.Existing structure (s) if any	Existing structure of 160.00 sq.m.
30.Details of the demolition with disposal (If applicable)	Existing structure of 160.00 sq.m. is to be demolished. Will be disposed as per C & D waste rules 2016 and local norms of concern authority.

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/Recycled water
	Fresh water (CMD):	448
	Recycled water - Flushing (CMD):	227
	Recycled water - Gardening (CMD):	12
	Swimming pool make up (Cum):	6
	Total Water Requirement (CMD) :	693
	Fire fighting - Underground water tank(CMD):	75cum each wing
	Fire fighting - Overhead water tank(CMD):	5 cum each wing
	Excess treated water	308
Wet season:	Source of water	MIDC /Recycled water
	Fresh water (CMD):	448
	Recycled water - Flushing (CMD):	227
	Recycled water - Gardening (CMD):	06
	Swimming pool make up (Cum):	6
	Total Water Requirement (CMD) :	681
	Fire fighting - Underground water tank(CMD):	75cum each wing
	Fire fighting - Overhead water tank(CMD):	5 cum each wing
	Excess treated water	320
Details of Swimming pool (If any)	Pool dimension: 3 x 2.70 x 0.75 (Paddle pool), 4.0 x 5.0 (Kids pool), 9.0 x 6.0 (Main pool) Total volume of pool (water quantity) =125000.00 Liters approx Balancing Tank Capacity : 5% of total qtyi.e 6250 ltsapprox	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total

Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	11-13mts below ground
	Size and no of RWH tank(s) and Quantity:	nil
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	12 no. of recharge pits provided
	Size of recharge pits :	3.0 Mtr x 3.0 Mtr x 3.0 Mtr. Depth
	Budgetary allocation (Capital cost) :	Rs. 42.00 lakhs
	Budgetary allocation (O & M cost) :	Rs. 3.00 Lakhs
	Details of UGT tanks if any :	below ground level
35.Storm water drainage	**Natural water drainage pattern:**	The natural drainage pattern is from east to west
	Quantity of storm water:	Total actual discharge = 0.405 cum/sec Total design discharge = 0.60 cum/sec
	Size of SWD:	B = 0.9 m , D = 0.6 m.
Sewage and Waste water	**Sewage generation in KLD:**	608
	STP technology:	MBBR
	Capacity of STP (CMD):	630 KLD
	Location & area of the STP:	Underground Ground Level
	Budgetary allocation (Capital cost):	Rs 70.00 Lakhs
	Budgetary allocation (O & M cost):	Rs10.00Lakhs

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Debris has been disposed off by covered trucks to the authorized sites with the permission of local authority.
	Disposal of the construction waste debris:	Debris will be used for backfilling and counterweight of raft, road works, etc. Brickbats will be used for waterproofing. Reinforcement will be sent for reuse Nominal surplus construction debris shall be disposed of by covered trucks to the authorized sites with the permission of MC.
Waste generation in the operation Phase:	**Dry waste:**	1017 Kg/Day
	Wet waste:	1496 Kg/Day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	30 kg/day
	Others if any:	Nil

Mode of Disposal of waste:	**Dry waste:**	Will handed over to authorized vendors.
	Wet waste:	Will be process in OWC. Manure so obtained will be used for gardening.
	Hazardous waste:	Nil
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as a manure
	Others if any:	Nil
Area requirement:	**Location(s):**	At ground level
	Area for the storage of waste & other material:	145.00 sq.m.
	Area for machinery:	3.00 sq.m.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs 11.00Lakhs
	O & M cost:	Rs 2.80 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 :**	2473.49 sq.m.
	No of trees to be cut :	nil
	Number of trees to be planted :	413 Nos.
	List of proposed native trees :	as given below
	Timeline for completion of plantation :	at the end of the 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	Artocarpus altilis	Bread fruit tree	3	Fruiting
2	Anthocephallus cadamba	Kadamb Tree	24	Shady
3	Azadirachta indica	Neem	20	shady
4	Alstonia scholaris	Devil's tree	20	Evergreen tropical tree
5	Bambusa vulgaris	Bamboo	5	Evergreen
6	Bismarckia nobilis	Bismarck Palm	4	flowering
7	Bauhinia purpurea	Butterfly tree	42	flowering
8	Callophyllumi nophyllum	Undi tree	6	evergreen
9	Cassia nodosa	Pink and White Shower Tree	11	Flowering
10	Cordia sebastena	The scarlet cordia	16	Flowering
11	Cassia fistula	Indian laburnum	2	Flowering
12	Dillenia indica	Elephant Apple	9	Medicinal
13	Eugenia oleina	Wild Cinnamon	2	Flowering
14	Guaiacum officinale	Lignum vitae	3	Useful tropical plant
15	Kentia Macarthurii	Kentia Palm	13	ornamental
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEB(Mahavitran) Power
	During Construction Phase: (Demand Load)	100 kW
	DG set as Power back-up during construction phase	100 KVA
	During Operation phase (Connected load):	10913.95 kW
	During Operation phase (Demand load):	4614.97 kW
	Transformer:	-
	DG set as Power back-up during operation phase:	Proposed DG size1 X 220 KVA and 1 X125KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	Nil

48.Energy saving by non-conventional method:

1. Common area lighting
2. Hot water system
3. Use of LED & CFL Lamps

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	total energy saving	18%
2	solar saving	11%

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.25.00Lakhs
	O & M cost:	Rs.1.00 Lakhs

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	air environment	dust suppression	3.00
2	land environment	site sanitation	2.5
3	Environment monitoring	For Air, Noise, Water Analysis	7
4	EHS	Disinfection	2.5
5	EHS	Health Check Up	3.5

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	42.0	3.0
2	solid waste	OWC	11.0	2.80
3	water environment	STP	70.0	10.00
4	energy saving	Solar energy system	25.00	1.0
5	land environment	landscaping	15.00	3.0

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	2
Parking details:	**Number and area of basement:**	Nil
	Number and area of podia:	Nil
	Total Parking area:	3199.50 sq.m.
	Area per car:	as per DCR
	Area per car:	as per DCR
	Number of 2-Wheelers as approved by competent authority:	Scooter = reqd: 1250 , provided = 1256 nos. Cycles = reqd: 1250 Nos., provided= 1256 nos.
	Number of 4-Wheelers as approved by competent authority:	Reqd = 18 Nos. Provided = 50 nos
	Public Transport:	Nil
	Width of all Internal roads (m):	6.00 m
	CRZ/ RRZ clearance obtain, if any:	Not within the 10 km

	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not within the 10 km of area
	Category as per schedule of EIA Notification sheet	Category B. Schedule 8(a)
	Court cases pending if any	Nil
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	05-05-2018

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

Brief information of the project by SEAC

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

PP informed that, the project under consideration is *proposed New Housing project. PP further stated that,* the total plot area of the project is 30050.00 Sq.mt. having total construction area area 67502.94 Sq.mt. (FSI - 42973.24sq.mt + NON FSI- Total – 24529.70sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Wing A	ST+12 Floors	37.35
Wing B	ST+10 Floors	31.65
Wing C	ST+12 Floors	37.35
Wing D	ST+10 Floors	31.65
Wing E	ST+12 Floors	37.35
Wing F	G+2 Floors(shops + Club House)	13.05
Wing G	ST+24 Floors	70.65
Wing H	ST+24 Floors	70.65
Wing I	ST+24 Floors	70.65
Wing J	Grd Flr(Shops)	4.65
Wing A2	ST+12 Floors	37.35
Wing B2	ST+12 Floors	37.35

It is noted that the project earlier considered in 88th Meeting (Day-2) held on 12-02-2019 & was deferred with important observation that to submit detail plan for use of recycled water, to submit the timeframe of concern authority to complete the work of sewer line & to submit the detail plan for the same in absence of sewer line.

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:

5) Committee noted that, there is no existing sewer line & PP has not submitted the compliance regarding the timeframe of concern authority to complete the work of the sewer line. Also not submitted the detail plan regarding treated waste water in absence of sewer line

FINAL RECOMMENDATION

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

Agenda of 92nd Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 92 **Meeting Date** March 14, 2019

Subject: Environment Clearance for Residential cum Commercial project at Old S.No. 92 and S.No. 260pt New 12pt S.No. 85/5pt, Mahajanwadi, Tal. Bhayandar 401107, by M/s. Man Vastucon LLP.

Is a Violation Case: No

1.Name of Project	AARADHYA HIGH PARK
2.Type of institution	Private
3.Name of Project Proponent	M/s. Man Vastucon LLP
4.Name of Consultant	Enviro Analysts & Engineers Pvt. Ltd.
5.Type of project	Residential cum Commercial project
6.New project/expansion in existing project/modernization/diversification in existing project	New
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No
8.Location of the project	Old S.No. 92 and S.No. 260pt New 12pt S.No. 85/5pt
9.Taluka	Bhayandar
10.Village	Mahajanwadi
Correspondence Name:	M/s. Man Vastucon LLP
Room Number:	-
Floor:	12th Floor
Building Name:	Krushal Commercial Complex
Road/Street Name:	Ghatkopar Mahul Road
Locality:	Chembur West
City:	Mumbai, Maharashtra 400089
11.Area of the project	MBMC
12.IOD/IOA/Concession/Plan Approval Number	CC received. Date: 30/11/2018
	IOD/IOA/Concession/Plan Approval Number: C.C. Number MB/MNP/NR/5024/2018-19. Date: 30/11/2018
	Approved Built-up Area: 48988.19
13.Note on the initiated work (If applicable)	0
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	No
15.Total Plot Area (sq. m.)	71651.00
16.Deductions	16388.06 sqm (DP Road, AOS, Encroachment)
17.Net Plot area	55262.94 sqm
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 73249.84
	b) Non FSI area (sq. m.): 89500.76
	c) Total BUA area (sq. m.): 162750.60
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 48988.19
	Approved Non FSI area (sq. m.): 76711.51
	Date of Approval: 30-11-2018
19.Total ground coverage (m2)	10094.94
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	18.27 %
21.Estimated cost of the project	5505500000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Phase I: Tower A, B, C, D, E, F	2 Basements + Ground + 1 Podium + Top Podium + 30 Upper Floors	101.70 m
2	Phase I: Building G	Stilt + 3 Upper Floor	12.0 m
3	Phase I: Building H	Ground Floor + 1 Upper Floor	7.65 m
4	Phase I: Building I	Ground Floor + 4pt	15.0 m
5	Phase I: Building J	1 Basement + Ground Floor + 3pt	14.95 m

23.Number of tenants and shops	Tenants: 1240 no's Shops: 40 no's
24.Number of expected residents / users	6383 no's
25.Tenant density per hectare	178 per hectare
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	30 m wide D. P. Road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m min.
29.Existing structure (s) if any	Electrical Substation to be retained
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**	MBMC, Recycled water from STP and RWH
	Fresh water (CMD):	559
	Recycled water - Flushing (CMD):	281
	Recycled water - Gardening (CMD):	39
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	879
	Fire fighting - Underground water tank(CMD):	900
	Fire fighting - Overhead water tank(CMD):	180
	Excess treated water	385 KLD
Wet season:	**Source of water**	MBMC, Recycled water from STP
	Fresh water (CMD):	559
	Recycled water - Flushing (CMD):	281
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	840
	Fire fighting - Underground water tank(CMD):	900
	Fire fighting - Overhead water tank(CMD):	180
	Excess treated water	424 KLD
Details of Swimming pool (If any)	-	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	12 m
	Size and no of RWH tank(s) and Quantity:	Total Storage Capacity: 315 KLD and Total No. of tanks: 6 no's.
	Location of the RWH tank(s):	1st basement Level
	Quantity of recharge pits:	0
	Size of recharge pits :	0
	Budgetary allocation (Capital cost) :	Rs. 25 Lakh
	Budgetary allocation (O & M cost) :	Rs. 3 lakh/ annum
	Details of UGT tanks if any :	12 no's of Domestic Water Tanks. Total tank Capacity: 590 cum 2 no's of Firefighting Water Tanks. Total tank Capacity: 900 cum 6 no's of Flushing Water Tanks. Total tank Capacity: 295 cum 6 no's of Rain Water Harvesting Tanks. Total tank Capacity: 315 cum
35.Storm water drainage	**Natural water drainage pattern:**	East to West
	Quantity of storm water:	3.6 m3/sec
	Size of SWD:	0.6m × 0.9m
Sewage and Waste water	**Sewage generation in KLD:**	785
	STP technology:	MBBR
	Capacity of STP (CMD):	No. of STP: 1 no. Total Capacity for Phase1: 800 KLD
	Location & area of the STP:	Location: Ground Level. Area for Phase 1: 668.10 sqm
	Budgetary allocation (Capital cost):	Rs. 75 lakh
	Budgetary allocation (O & M cost):	Rs. 10 lakh/annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Excavated Material, Top Soil Material, Road Filling Material
	Disposal of the construction waste debris:	It will be reused
Waste generation in the operation Phase:	**Dry waste:**	1272 Kg per day
	Wet waste:	1874 kg per day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	39 kg per day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Recycling process
	Wet waste:	OWC
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	shall be used as landscaping
	Others if any:	NA
Area requirement:	**Location(s):**	Ground level
	Area for the storage of waste & other material:	112 sqm
	Area for machinery:	10 sqm
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 16 Lakh
	O & M cost:	Rs. 4 Lakh

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

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

43.Green Belt Development	**Total RG area :**	Proposed RG area on ground: 8418.82 Sq.m
	No of trees to be cut :	50 no's
	Number of trees to be planted :	313 no’s
	List of proposed native trees :	As listed below
	Timeline for completion of plantation :	Approximately 7 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	Azadirachta indica	Neem	17 no's	Helps to prevent Soil erosion, Effective shade tree.
2	Bauhinia purpurea	Purple Orchid, Kanchan	25 no's	Medium sized, Ornamental Tree, Scented flowers
3	Bauhinia blakeana	Hong Kong Orchid	7 no's	Medium sized, Ornamental Tree, Scented flowers
4	Butea Monosperma	Palash	20 no's	Medium sized deciduous tree ,Butterfly host plant
5	Delonix regia	Gulmohar	25 no's	Medium sized deciduous Tree, Medicinal uses
6	Lagerstromia Indica	Pride of India	3 no's	Medium sized deciduous tree & ornamental
7	Mimusops elengi	Bakul tree	42 no's	Large sized deciduous Tree, Ornamental uses
8	-	-	-	-
9	-	-	-	-
10	-	-	-	-
11	-	-	-	-
12	-	-	-	-
13	-	-	-	-
14	-	-	-	-
15	-	-	-	-
16	-	-	-	-
17	-	-	-	-
18	-	-	-	-
19	-	-	-	-
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	Bauhinia purpurea	3m	-
2	Cassla flstusa	2.5m	-
3	Mllngtonla hortensis	2m	-
4	Murraya koenlgl	2.5m	-

5	Nyclanthus Arborla	2.5m	-
6	Saraca indica	2.5m	-
7	Schefflera actlnophyla	2m	-
8	Tamrindus indica	4.2m	-
9	Tabebula impetlglnosa	2m	-
10	Termlnalla mantaly	3m	-
11	Areca catacheu	3m	-
12	-	-	-

47.Energy

Power requirement:	**Source of power supply :**	Maharashtra State Electricity Distribution Company Limited
	During Construction Phase: (Demand Load)	500 kVA
	DG set as Power back-up during construction phase	125 kVA
	During Operation phase (Connected load):	15309 kW
	During Operation phase (Demand load):	4986 kW
	Transformer:	4 no's
	DG set as Power back-up during operation phase:	2 no's . 750 kVA.
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

- Common area lighting, street lighting and landscape lighting on LED
- Use of electronic ballast instead of copper ballast
- Providing timers for common area lighting
- Use of hydro- pneumatic pumping system/ventilation & lifts with VFD drives and soft starter
- Use of BEE star rated pumps
- Use of APFC panels
- Use of solar water heater panels and solar PV panels

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total % Savings	22.30 %
2	-	-

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 64 lakh
	O & M cost:	Rs. 2.5 lakh/ annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water Sprinkling, Green Belt Development, Covered storage area	Rs. 2.50 Lakh
2	Noise Environment	Noise Barricades and Green Belt Developments	Rs. 2.00 Lakh
3	Water Environment	Modular STP, Drainage with sedimentation tanks	Rs. 3.00 Lakh
4	Good Health Practices	Site Sanitation & Health Care	Rs. 1.50 Lakh
5	Environment Monitoring	Air, water, noise soil monitoring during construction phase	Rs. 3.50 Lakh

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	Rs. 25 lakh	Rs. 3.0 lakh / year
2	Solid waste management	OWC	Rs. 16 lakh	Rs. 4.0 lakh/ year
3	Waste water management	STP	Rs. 75 lakh	Rs. 10.0 lakh / year
4	Renewable Energy and saving measures	Solar	Rs. 64 lakh	Rs. 2.5 lakh / year
5	Landscaping	Greenbelt	Rs. 150 lakh	Rs. 3.0 lakh/ year

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1 no of entry/exit
Parking details:	**Number and area of basement:**	Basement Nos: 2 no's and Total Area: 15270.56 sqm
	Number and area of podia:	Podium Nos: Stilt + 1 Podium and Total Area: 10848.27 sqm
	Total Parking area:	26118.83 sqm
	Area per car:	26 sqm
	Area per car:	26 sqm
	Number of 2-Wheelers as approved by competent authority:	63 no’s
	Number of 4-Wheelers as approved by competent authority:	1020 no's
	Public Transport:	Nil
	Width of all Internal roads (m):	30 m internal road
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park boundary: 100 meters as per ESZ notification dated: 05/12/2016
	Category as per schedule of EIA Notification sheet	8 (b)
	Court cases pending if any	NA
	Other Relevant Informations	The project received its Terms of Reference (ToR) for all Phases development i.e. Phase I, Phase II and Phase III during the 71st SEAC-2 meeting held on, 1st October 2018 at Mumbai, Maharashtra. Now, EIA is proposed for Phase I only.
	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. Ashwin Parihar was present during the meeting along with environmental consultant: M/S. Enviro Analysts & Engineers Pvt. Ltd.

PP stated that, the TOR is granted for Phase I, II & III in 71st SEAC II meeting held on 1st October 2018 for a total construction area of 4,28,872.00 sq.mt.

It is noted that, the EIA for project earlier considered in 88th Meeting (Day-2) of SEAC-2 held on 12-02-2019.PP informed that, the project under consideration is *proposed residential project. PP further stated that,* the total plot area of the project is 71651.00 Sq.mt. having total construction area area 1,62,750.60 Sq.mt. (FSI - 73249.84 Sq.mt. + NON FSI- 89500.76 Sq.mt.) for phase I and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Phase I: Tower A, B, C, D, E, F	2 Basements + Ground + 1 Podium + Top Podium + 30 Upper Floors	101.70 m
Phase I: Building G	Stilt + 3 Upper Floor	12.0 m
Phase I: Building H	Ground Floor + 1 Upper Floor	7.65 m
Phase I: Building I	Ground Floor + 4pt	15.0 m
Phase I: Building J	1 Basement + Ground Floor + 3pt	14.95 m

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

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:

3) As proposed road for phase 3 passing through the other plot which is not in possession of PP, right of way through the said plot has to be submitted. Also road proposed to the south side should be aligned to proposed DP road.
4) PP to abide by conditions laid down by National highway Authority.Also PP to maintain the 25 mtr strip as green area as per National highway Authority NoC.
5) PP to submit topo sheet with legends specifying boundaries of local planning Authorities.
6) As agreed, PP to provide bio-methenation plant with expandable capacity instead of OWC.
7) PP to revise the designs of STP with 100% opening to sky for ventilation and also to show the network of sludge collection of STP to bio-methenation plant.
8) PP to superimpose layout plan of project on ESZ map of Sanjay Gandhi National park to verify the distance of project site from ESZ. PP to submit & upload the same.
9) PP to submit the NOC from Competent Authority regarding ESZ

FINAL RECOMMENDATION

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

Agenda of 92nd Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 92 **Meeting Date** March 14, 2019

Subject: Environment Clearance for proposed building on plot 310, H No. 2, of village Goddev, Taluka & District Thane, by Virtuoso Realty LLP

Is a Violation Case: No

1.Name of Project	Proposed building on plot 310, H No. 2, of village Goddev, Taluka & District Thane, by Virtuoso Realty LLP
2.Type of institution	Private
3.Name of Project Proponent	Mr. Bharat Patel by Virtuoso Realty LLP
4.Name of Consultant	Mr. H K Desai, Enviro Analysts and Engineers Pvt. Ltd.
5.Type of project	residential
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Plot 310, H No. 2, of village Goddev, Taluka & District Thane.
9.Taluka	thane
10.Village	Goddev
Correspondence Name:	Mr Bharat Patel
Room Number:	601
Floor:	NA
Building Name:	Senate, Aura Biplex
Road/Street Name:	S V Road
Locality:	Borivali West
City:	Mumbai
11.Area of the project	Mira Bhayandar Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	yes
	IOD/IOA/Concession/Plan Approval Number: MBMC – 4356/2017-2018
	Approved Built-up Area: 1399
13.Note on the initiated work (If applicable)	Building B; Building C1, C2; Building D1, D2, building E1, E2 and Row House 1, 2, 3, 4 already constructed and occupied as per OC received dated:
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	yes
15.Total Plot Area (sq. m.)	12,000 sq m
16.Deductions	For D P: 936.26 sq m
17.Net Plot area	11063. 74 sq m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** Existing FSI: 9145.39, Proposed FSI: 9527.06, Total:18672.45
	b) Non FSI area (sq. m.): Existing Non FSI: 3169.21, Proposed Non FSI: 2542.91 Total Non FSI: 5712.12
	c) Total BUA area (sq. m.): 24384.57
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 10706.87
	Approved Non FSI area (sq. m.): 5304.21
	Date of Approval: 14-02-2018
19.Total ground coverage (m2)	7680
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	64
21.Estimated cost of the project	500000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building A	Part Basement + Gr + 22 floors	69.95
2	Building B	St + 7 floors	23.27
3	Building C1, C2	St + 7 floors	23.27
4	Building D1, D2	Gr + 4 floors	14.80
5	Building E1, E2	Gr + 6 floors	23.50
6	Building F	Gr + 2 floors	10
7	Row House 1, 2, 3, 4	Gr + 2 floors	9

23.Number of tenants and shops	Existing residential: 236 nos. Proposed Residential: 152 nos. Total residential: 388 Proposed Commercial: 46 = shops: 23 & offices 23
24.Number of expected residents / users	Existing Residential: 995, Proposed residential: 706, Total Residential: 1701; Proposed Commercial: 299
25.Tenant density per hectare	323
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	18 m wide DP road
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	Building B, C1, C2, D1, D2, E1, E2 and row houses 1, 2, 3, 4 are constructed and occupied
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**	MBMC AND RECYCLED WATER
	Fresh water (CMD):	159 KLD
	Recycled water - Flushing (CMD):	84 KLD
	Recycled water - Gardening (CMD):	14 KLD
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	257 KLD
	Fire fighting - Underground water tank(CMD):	200 KLD
	Fire fighting - Overhead water tank(CMD):	185 KLD
	Excess treated water	131 KLD
Wet season:	**Source of water**	MBMC AND RECYCLED WATER
	Fresh water (CMD):	159 KLD
	Recycled water - Flushing (CMD):	84 KLD
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	243 KLD
	Fire fighting - Underground water tank(CMD):	200 KLD
	Fire fighting - Overhead water tank(CMD):	185 KLD
	Excess treated water	145 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:**	3 m
	Size and no of RWH tank(s) and Quantity:	20 cum, 1 no.
	Location of the RWH tank(s):	underground
	Quantity of recharge pits:	2 nos.
	Size of recharge pits :	-
	Budgetary allocation (Capital cost) :	5 lakhs
	Budgetary allocation (O & M cost) :	25000
	Details of UGT tanks if any :	Domestic: 2 nos Flushing: 2 nos. Fire fighting: 2 nos.
35.Storm water drainage	**Natural water drainage pattern:**	As per the natural slope of the plot
	Quantity of storm water:	0.24 m3/sec
	Size of SWD:	0.60 m x 0.65 m
Sewage and Waste water	**Sewage generation in KLD:**	211 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	1 no. & 220 KLD
	Location & area of the STP:	below ground
	Budgetary allocation (Capital cost):	35 lakhs
	Budgetary allocation (O & M cost):	6 lakhs / yr
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:**	385 kg /day
	Wet waste:	533 kg / day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	10
	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):**	Ground
	Area for the storage of waste & other material:	52 sq m
	Area for machinery:	5 sq m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	8 lakhs
	O & M cost:	2 lakhs / yr

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	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 :**	2828.40 sq m
	No of trees to be cut :	NA
	Number of trees to be planted :	150 nos.
	List of proposed native trees :	as given below
	Timeline for completion of plantation :	before completion of the project

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Plumeria alba	champa	10	flowering
2	Tabebuia rosa	Pink triumphet	5	flowering
3	Mangifera indica	Mango	5	tropical and flowering
4	Mimusops elengi	Bakul	10	flowering
5	Cassia fistula	Bahava	15	flowering
6	Delonix regia	Gulmohar	8	evergreen
7	Melia azedarach	Indian lilac	7	Deciduous
8	Pisonia alba	Pisonia	10	ornamental
9	Polyalthia longifolia	Ashoka	5	Evergreen
10	Casuarina	Casuarina	15	Evergreen tropical
11	Bauhinia blackiana	Hong Kong Orchid Tree	10	tropical
12	Bauhinia purpurea	Kanchan	10	flowering
13	Tecoma gaudichaudi	Tecoma yellow	5	semi shady
14	MAHUA LONGIFOLIA	Mahua	10	flowering
15	Roystonea regia	Royal Palm	10	Ornamental
16	Spathodea campanulata	Spathodea	15	tropical flowering
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 Energy
	During Construction Phase: (Demand Load)	80 kW
	DG set as Power back-up during construction phase	100 KVA
	During Operation phase (Connected load):	4329 kW
	During Operation phase (Demand load):	1316 kW
	Transformer:	NA
	DG set as Power back-up during operation phase:	1 X 320 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

1) We recommended using 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 equipment 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 panel for lighting of common areas and external lighting. Solar water heating.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total % Savings	12.1

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:**	14 lakhs
	O & M cost:	2 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 Environment	Water Sprinkling, Green Belt Development, Covered storage area	2

2	Noise Environment	Noise Barricades and Green Belt Developments	1.5
3	Water Environment	Modular STP, Drainage with sedimentation tanks	1
4	Good Health Practices	Site Sanitation & Health Care	2
5	Environment Monitoring	Air, water, noise soil monitoring during construction phase	1.5

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Rain Water Harvesting	RWH Tanks	5	0.25
2	Waste water management	STP	35	6
3	Solid waste management	OWC	4	1
4	Landscaping	Green Belt Development	8	2
5	Energy conservation	Solar saving	14	2

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:**	1 part basement, 1218.9 sq m
	Number and area of podia:	NA
	Total Parking area:	2135 sq m
	Area per car:	35 sq m
	Area per car:	35 sq m
	Number of 2-Wheelers as approved by competent authority:	-
	Number of 4-Wheelers as approved by competent authority:	61 nos.
	Public Transport:	Mira Road 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	8 km from SGNP
	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	01-01-1900

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

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

Brief information of the project by SEAC

PP Mr. Bharat Patel was present during the meeting along with environmental consultant Environmental Consultant- M/s. Mr. H K Desai, Enviro Analysts and Engineers Pvt. Ltd.

PP informed that, the project under consideration is *proposed residential project. PP further stated that, out of total proposed construction of 26,407 sq mtr, 12,152.20 sq mtr has been constructed at site & OC also received from local planning authority.*

PP informed that, the plans were approved earlier in 2004 and subsequently amended in 2005 & 2007 for 9 Buildings viz. A B, C1, C2, D1, D2, E1, E2, F and 4 Row Houses for the FSI area of 10,706.87 sq m (Total const. area of 16,011.08 sq mts with Non FSI area of 5,304.21 sq mts).Out of 8 buildings, 7 namely B, C1, C2, D1, D2, E1, E2 and 4 Row houses have been constructed and OC granted by MBMC and the work of Building A and F is not yet started.

It is noted that, in the uploaded consolidated statement, total construction area mentioned as 24384.57 Sq. mt. (FSI - Existing FSI: 9145.39, Proposed FSI: 9527.06, Total: 18672.45 + Non-FSI- Existing Non FSI: 3169.21, Proposed Non FSI: 2542.91 Total Non FSI: 5712.12) and not 26,407 sq mtr as being presented before the committee.

Committee noted that, the project was appraised in 86th SEAC –II meeting and deferred with important observation to submit Architect Certificate, to upload the copy of plan approved in 2005 & 2007,PP to provide 40% STP tanks area open to sky for adequate ventilation & to provide clear 6mt drive way & 9mt turning radius all around building for fire tender movement. 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 deferred and shall be considered only after the compliance of above observations.

Specific Conditions by SEAC:

3) PP to explore possibility of providing paved RG around the buildings B,C1,C2,E1 & E2 for fire tender movement though OC for these building already received by MCGM as per sanction.
4) Committee noted that, the architect certificated submitted by PP was not dated & also not addressed to the committee. PP to submit dated Architect certificate clearly mentioning work done on site specifying building wise profile, FSI, Non-FSI & total build up area along with current status.
5) PP or Environment consultant could not explain the discrepancy in total built up area. PP, architect and Environment consultant to submit explanatory note regarding same.

FINAL RECOMMENDATION

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

Subject: Environment Clearance for Proposed Residential Redevelopment Project “Shraddha” - At Sector 10, Vashi, Navi Mumbai

Is a Violation Case: No

1.Name of Project	Shraddha JProposed project JN-2 (VS-II) type apartment owners Association, Condominium No. 10, Location Building No. 22 to 44, Plot No. 10, Sector 10, Vashi, Navi Mumbai – 400 703
2.Type of institution	Private
3.Name of Project Proponent	E. V. Homes Constructions Pvt. Ltd.
4.Name of Consultant	M/s. Building Environment(I) Pvt. Ltd.
5.Type of project	Residential Building
6.New project/expansion in existing project/modernization/diversification in existing project	Redevelopment Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No
8.Location of the project	Plot No. 10, Sector 10, Vashi, Navi Mumbai
9.Taluka	Thane
10.Village	Vashi
Correspondence Name:	Mr. E. V. Thomas
Room Number:	212
Floor:	A-Wing, Plot No. 84
Building Name:	Vardhaman Chambers
Road/Street Name:	Sector 17
Locality:	Vashi, Navi Mumbai, 400703
City:	Vashi - Navi Mumbai
11.Area of the project	Category B2
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 93391.307
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Letter of Intent no. NMMC/TPO/ADTP/4111/2018 dated 12/10/2018
15.Total Plot Area (sq. m.)	10390.377 sq.m.
16.Deductions	1160.309 sq.m.
17.Net Plot area	9230.068 sq.m.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 25872.8795 sq.m.
	b) Non FSI area (sq. m.): 67518.4275 sq.m.
	c) Total BUA area (sq. m.): 93391.307
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 25872.8795 sq.m.
	Approved Non FSI area (sq. m.): 67518.4275 sq.m.
	Date of Approval: 01-01-1900
19.Total ground coverage (m2)	5182.8735
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	49.88%
21.Estimated cost of the project	1900000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Rehab Building A1	S + 7P + 32 residential Floor	117.91
2	Rehab Building A2	S + 7P + 32 residential Floor	117.91
3	Rehab Building A3	S + 7P + 32 residential Floor	117.91
4	sale Building B	S + 7P + 33 residential Floor	119.80

23.Number of tenants and shops	Sale - 260 Nos Rehab - 368 Nos.
24.Number of expected residents / users	3234 persons
25.Tenant density per hectare	604 Nos
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	32.0 M
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.00m to 12.00 m
29.Existing structure (s) if any	Yes
30.Details of the demolition with disposal (If applicable)	2882 cu metres of debris to be demolished and transported to the NMMC debris recycling unit in turbhe

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	NMMC
	Fresh water (CMD):	Sale - 116 cum, Rehab - 168 cum
	Recycled water - Flushing (CMD):	Sale – 57 cum, Rehab – 84 cum
	Recycled water - Gardening (CMD):	Sale – 40 cum, Rehab – 40 cum
	Swimming pool make up (Cum):	-------
	Total Water Requirement (CMD) :	Sale – 193 cum, Rehab – 272 cum
	Fire fighting - Underground water tank(CMD):	Sale –150 cum, Rehab – 150 cum
	Fire fighting - Overhead water tank(CMD):	Sale – 30 cum, Rehab – 30 cum
	Excess treated water	Sale - 43 cum, Rehab - 80 cum
Wet season:	**Source of water**	NMMC
	Fresh water (CMD):	Sale - 116 cum, Rehab - 168 cum
	Recycled water - Flushing (CMD):	Sale – 57 cum, Rehab – 84 cum
	Recycled water - Gardening (CMD):	------
	Swimming pool make up (Cum):	------
	Total Water Requirement (CMD) :	Sale – 193 cum, Rehab – 272 cum
	Fire fighting - Underground water tank(CMD):	Sale – 150 cum, Rehab – 150 cum
	Fire fighting - Overhead water tank(CMD):	Sale – 30 cum, Rehab – 30 cum
	Excess treated water	Sale – 83 cum, Rehab – 120 cum
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	NA	NA	NA	NA	NA	NA	NA	NA	NA

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	0.4 mtr to 2.0 mtr.
	Size and no of RWH tank(s) and Quantity:	Rehab building: 30 cum, Sale building: 20 cum
	Location of the RWH tank(s):	Below ground level
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Rehab - 2,00,000 and Sale - 1,50,000
	Budgetary allocation (O & M cost) :	Rehab - 25,000 and Sale - 25,000
	Details of UGT tanks if any :	Rehab- 25,000 and Sale - 25,000 Rehab - Rain Water Tank – 30 cum Domestic Tank – 167.5 cum Flushing Tank – 84 cum Fire Tank – 150 cum STP – 205 cum Sale - Rain Water Tank – 20 cum Domestic Tank – 115.5 cum Flushing Tank – 57.6 cum Fire Tank – 150 cum STP – 140 cum
35.Storm water drainage	**Natural water drainage pattern:**	N to SW
	Quantity of storm water:	728 m3/hr
	Size of SWD:	750 mm wide x 600 mm
Sewage and Waste water	**Sewage generation in KLD:**	Sale - 140 cum, Rehab - 205 cum
	STP technology:	MBBR
	Capacity of STP (CMD):	Sale Building: 140 cum Residential Building:205 cum
	Location & area of the STP:	Below ground- Rehab - 150 sq.m and Sale - 80 sq.m
	Budgetary allocation (Capital cost):	Sale - 25 lakhs and Rehab - 40 lakhs
	Budgetary allocation (O & M cost):	Sale 3 lakhs/year, Rehab - 4 lakhs/year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	4669.56 tonnes
	Disposal of the construction waste debris:	30% used on site (1400 tonnes) and
Waste generation in the operation Phase:	**Dry waste:**	Sale – 500 kg/day & Rehab - 350 kg/day
	Wet waste:	Sale – 335 kg/day & Rehab 180 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	88 Kg
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Hand over to Vendor
	Wet waste:	Organic Waste Converter
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Sale – 140 cum, Rehab – 205 cum
	Others if any:	NA
Area requirement:	**Location(s):**	on podium
	Area for the storage of waste & other material:	3Rehab – 65 sq.m and Sale – 50 sq.m
	Area for machinery:	3m x 4m = 12 m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	5 Lakhs
	O & M cost:	50,000

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	1385.03 sq.m
	No of trees to be cut :	49 nos. 8 retained
	Number of trees to be planted :	69 nos.
	List of proposed native trees :	69 nos.
	Timeline for completion of plantation :	2 y after construction

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadirachta indica	Neem	7	Medicinal properties
2	Ficus glomerata	Umbar	8	Medicinal properties
3	Plumeria alba	Champa	8	P. alba is an ornamental plant.
4	Cassia fistula	Amaltas	6	Medium sized deciduous tree Beautiful yellow flowers, Butterfly host plant
5	Caesalpinia Pulcherrima	Shankasur	8	C. pulcherrima is an ornamental plant.
6	Nerium indicum	Kaner	7	Cultivated as an ornamental plant.
7	(Largestromeia flosreginae)	Tamhan	8	Cultivated as an ornamental plant.
8	Samanea saman	Raintree	8	
9	Peltophorum pterocarpum	Copperpod	9	
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	125kVA
	During Operation phase (Connected load):	14067kW
	During Operation phase (Demand load):	4602.9 kW
	Transformer:	3#1250 kVA
	DG set as Power back-up during operation phase:	1 No of 400 kVA & 1 No. of 450 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NO

48.Energy saving by non-conventional method:

Sl.no. Description "Power consumed using Conventional method (in KWH / Anum)" "Power consumed incorporating energy saving methods (in KWH / Anum)" "Energy Saving incorporating energy saving methods (in KWH / Anum)" % of Energy Saving with individual Methods
1 Lift load with regenerative drives 602743 512331 90411 15%
2 Staircase and passage Area Lighting load- with LED fittings 1303926 869284 434642 33%
3 Street Lighting with LED fittings 14850 9546 5304 36%
4 Geyser load - with 25 flats on solar water heater per building i.e. 125 flats 753579 567718 185861 25%
5 External Lighting saving with solar lighting 90338 39223 51115 57%
Total 2765435.25 1998102.87 767332.38
By percentage, Total saving = 27.75%

Net Solar Electrical Power Generartion 472.25

Total Demand Load 4,603.10

"By percentage, Total Solar Generation / Total Demand Load
Ideally 1% " 10.26%

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Lift load with regenerative drives	15
2	Staircase and passage Area Lighting load- with LED fittings	33
3	Street Lighting with LED fittings	36
4	Geyser load - with 25 flats on solar water heater per building i.e. 125 flats	30
5	External Lighting saving with solar lighting	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:**	87.0 L
	O & M cost:	8.0 L

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air	Dust suppression measures and barricading	1.5 lakh
2	Land	Site sanitation	0.50 lakh
3	Land	Site Safety	1.0 lakh
4	Air, Water, Soil and Bio	Environmental Monitoring	1.5 lakh
5	Socio-economic	Disinfection and Health check-up	0.25 lakh

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	2 Nos	Sale – 25 lakhs and Rehab -40 lakhs	Sale 3 lakhs/year , Rehab- 4 lakhs/year
2	Solid Waste Management	2 Nos	Sale - 5.0 lakh and Rehab - 5.0 lakh	Sale - 0.5 lakh and rehab - 0.5 lakh
3	Rain Water Harvesting Tank	2. Nos.	Rehab – 2,00,000 and Sale – 1,50,000	Rehab –25,000 and Sale – 25,000
4	Landscaping	69 Nos.	4.5 lakh	0.5 lakh
5	Solar System		87.0 lakh	8.0 lakh

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:**	Nil
	Number and area of podia:	7 NOS. 36280.1145 m2
	Total Parking area:	9962.5 SQ.M
	Area per car:	2.5X5.0M=12.50 SQ.M
	Area per car:	2.5X5.0M=12.50 SQ.M
	Number of 2-Wheelers as approved by competent authority:	Required - 158 nos. Proposed – 222 nos.
	Number of 4-Wheelers as approved by competent authority:	Required – 795 nos. Proposed – 797 nos.
	Public Transport:	NA
	Width of all Internal roads (m):	8 m on Rear and Sides, 6 m in Front
	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 B
	Court cases pending if any	NO
	Other Relevant Informations	---
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	10-12-2015

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

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

PP informed that, the project under consideration is *proposed Residential Building Redevelopment Project. PP further stated that, t*he total plot area of the project is 10390.377 Sq.mt. having total construction area area 93,391.307Sq.mt. (FSI - 25872.8795 Sq. mt.+ NON FSI- 67518.4275 Sq. mt.) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Rehab Building A1	S + 7P + 32 residential Floor	117.91
Rehab Building A2	S + 7P + 32 residential Floor	117.91
Rehab Building A3	S + 7P + 32 residential Floor	117.91
sale Building B	S + 7P + 33 residential Floor	119.80

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 statement, form 1, 1A, presentation & plans submitted are taken on the record. PP informed that 7 podia

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) PP to upload Debris Management plan duly approved by Corporation
2) PP to upload storm water calculations.
3) PP to abide by ECBC guidelines
4) PP to submit CER as per MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project or Environment Department may direct PP to undertake CER work in identified area

FINAL RECOMMENDATION

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

Agenda of 92nd Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 92 **Meeting Date** March 14, 2019

Subject: Environment Clearance for Proposed project JN-2 (VS-II) type apartment owners Association, Condominium No. 16, Location Building No. 47 to 58, Plot No. 16, Sector 9, Vashi, Navi Mumbai – 400 703

Is a Violation Case: No

1.Name of Project	PProposed project JN-2 (VS-II) type apartment owners Association, Condominium No. 16, Location Building No. 47 to 58, Plot No. 16, Sector 9, Vashi, Navi Mumbai – 400 703
2.Type of institution	Private
3.Name of Project Proponent	M/s. E. V. Homes Construction Pvt. Ltd.
4.Name of Consultant	M/s. Building Environment India Pvt. Ltd.
5.Type of project	Residential Building
6.New project/expansion in existing project/modernization/diversification in existing project	Redevelopment Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No
8.Location of the project	Proposed project JN-2 (VS-II) type apartment owners Association, Condominium No. 16, Location Building No. 47 to 58, Plot No. 16, Sector 9, Vashi, Navi Mumbai – 400 703. Latitude: 19o 04'41.34" N Longitude: 72o 59'50.91" E
9.Taluka	Thane
10.Village	Vashi
Correspondence Name:	E V Thomas
Room Number:	212
Floor:	2nd Floor
Building Name:	Vardhaman Chambers, A-Wing
Road/Street Name:	Plot No. 84
Locality:	Sector 17, Vashi
City:	Vashi
11.Area of the project	NMMC
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 48192.98
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Letter of Intent vide letter no. NMMC/TPO/ADTP/4110/2018 dated 12/10/2018
15.Total Plot Area (sq. m.)	6218.39 sq.m
16.Deductions	nil
17.Net Plot area	6218.39 sq.m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 15530.152 sq.m
	b) Non FSI area (sq. m.): 32662.8286 sq.m
	c) Total BUA area (sq. m.): 48192.9806
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 15530.152
	Approved Non FSI area (sq. m.): 32662.82
	Date of Approval: 12-10-2018
19.Total ground coverage (m2)	2748.174
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	44.16
21.Estimated cost of the project	1500000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	1. Rehab building	40	115.35
2	2. Sale building	40	115.35

23.Number of tenants and shops	286 X 2bhk and 48 X 3bhk, 14 X 1BHK, 272 X 2BHK & 48 X 3BHK Sale – 142 Nos. Rehab – 192Nos
24.Number of expected residents / users	1718
25.Tenant density per hectare	537
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	32
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	13.4 m
29.Existing structure (s) if any	NA
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	NMMC
	Fresh water (CMD):	Sale – 64.0 cum, Rehab – 91.0 cum
	Recycled water - Flushing (CMD):	Sale – 32.0 cum, Rehab – 46.0 cum
	Recycled water - Gardening (CMD):	Sale – 10.0 cum, Rehab – 10.0 cum
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	Sale – 96.0 cum, Rehab – 137.0 cum
	Fire fighting - Underground water tank(CMD):	Sale – 150 cum, Rehab – 150 cum
	Fire fighting - Overhead water tank(CMD):	Sale – 30.0 cum, Rehab – 30.5 cum
	Excess treated water	Sale – 38.0 cum, Rehab – 54.0 cum
Wet season:	**Source of water**	NMMC
	Fresh water (CMD):	Sale – 64.0 cum, Rehab – 91.0 cum
	Recycled water - Flushing (CMD):	Sale – 32.0 cum, Rehab – 46.0 cum
	Recycled water - Gardening (CMD):	---
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	Sale – 96 cum, Rehab – 137 cum
	Fire fighting - Underground water tank(CMD):	Sale – 150 cum, Rehab – 150 cum
	Fire fighting - Overhead water tank(CMD):	Sale – 30.0 cum, Rehab – 30.5 cum
	Excess treated water	Sale – 48.0 cum, Rehab – 64.0 cum
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	NA	NA	NA	NA	NA	NA	NA	NA	NA

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	0.6m to 1.9m
	Size and no of RWH tank(s) and Quantity:	Rehab building: 12 cu.m, Sale building: 10 cu.m
	Location of the RWH tank(s):	Below ground level
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Rehab – 1,50,000 and Sale – 1,00,000
	Budgetary allocation (O & M cost) :	Rehab – 5,000 and Sale – 5,000
	Details of UGT tanks if any :	Rehab – Rain Water Tank – 12.0 cum Domestic Tank – 64.0 cum Flushing Tank – 32.0 cum Fire Tank – 150.0 cum STP – 80.0 cum Sale - Rain Water Tank – 10.0 cum Domestic Tank – 91.0 cum Flushing Tank – 46.0 cum Fire Tank – 150.0 cum STP – 110.0 cum
35.Storm water drainage	**Natural water drainage pattern:**	N to S
	Quantity of storm water:	435.33 m3/hr
	Size of SWD:	600 mm wide x 450 mm
Sewage and Waste water	**Sewage generation in KLD:**	Sale – 80 cu.m, Rehab – 110 cu.m
	STP technology:	MBBR
	Capacity of STP (CMD):	Sale Building: 80 cu.m Residential Building: 110 cu.m
	Location & area of the STP:	On ground, Rehab – 68.0 sq.m and Sale – 52.0 sq.m
	Budgetary allocation (Capital cost):	Sale – 15.0 lakhs and Rehab - 20.0 lakhs
	Budgetary allocation (O & M cost):	Sale 3.5 lakhs/year, Rehab - 4.5 lakhs

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	502 tonnes
	Disposal of the construction waste debris:	30% used on site (150 tonnes) and rest will be handed over for proper disposal
Waste generation in the operation Phase:	**Dry waste:**	Sale – 130 kg/day & Rehab - 180 kg/day
	Wet waste:	Sale – 190 kg/day & Rehab - 270 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Sale - 1.6 kg, Rehab – 2.2 kg
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Hand over to Vendor
	Wet waste:	Organic Waste Converter
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Sale - 1.6 kg, Rehab – 2.2 kg
	Others if any:	NA
Area requirement:	**Location(s):**	On 1st Podium
	Area for the storage of waste & other material:	Rehab – 68.0 sq.m and Sale – 52.0 sq.m
	Area for machinery:	3m x 4m = 12 m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Sale: 1,00,000 & Rehab: 1,50,000
	O & M cost:	Sale: 50,000 & Rehab: 75,000

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	978.89 sq.m
	No of trees to be cut :	Nil
	Number of trees to be planted :	48 Nos.
	List of proposed native trees :	Neem (Azadirachta indica) Umbar (Ficus glomerata) Champa (Plumeria alba) Amaltas (Cassia fistula) Caesalpinia Pulcherrima Nerium indicum Tamhan (Largestromeia flosreginae)
	Timeline for completion of plantation :	After construction

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	(Azadirachta indica	Neem	7	Medicinal properties
2	Ficus glomerata	Umbar	8	Medicinal properties
3	Plumeria alba	Champa	6	P. alba is an ornamental plant
4	Cassia fistula	Amaltas	8	Medium sized deciduous tree Beautiful yellow flowers, Butterfly host plant
5	Caesalpinia Pulcherrima	Shankasur	5	C. pulcherrima is an ornamental plant.
6	Nerium indicum	Kaner	7	Cultivated as an ornamental plant.
7	(Largestromeia flosreginae)	Tamhan	7	Cultivated as an ornamental plant.

45.Total quantity of plants on ground

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	100 kVA
	DG set as Power back-up during construction phase	100 kVA
	During Operation phase (Connected load):	2047962 kWh
	During Operation phase (Demand load):	2904.0 kWh
	Transformer:	2 nos. 2000 kVA
	DG set as Power back-up during operation phase:	2 Nos. 400 kVA
	Fuel used:	HSD (High Speed Diesel)
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

10.70%

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Lift load with regenerative drives	15
2	Staircase and passage Area Lighting load- with LED fittings	33
3	Street Lighting with LED fittings	36
4	Geyser load - with 25 flats on solar water heater per building i.e. 125 flats	30
5	External Lighting saving with solar lighting	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:**	87 L
	O & M cost:	8 L

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air	Dust suppression measures and barricading	0.8 lakh
2	Land	Site sanitation	0.25 lakh

3	Land	Site Safety	0.7 lakh
4	Air, Water, Soil and Bio	Environmental Monitoring	0.9 lakh
5	Socio-economic	Disinfection and Health check-up	0.25 lakh

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	2 STP	15.0 & 20.0 Lakhs	3.5 & 4.5 Lakhs
2	Solid Waste Management	2 unit	1.0 Lakhs & 1.5 Lakhs	0.5 Lakhs & 0.75 Lakhs
3	Rain Water Harvesting Tank	2 nos.	1.5 & 1.0 Lakhs	0.05 & 0.05 Lakhs
4	Landscaping	48 nos.	2.00 Lakhs	0.5 Lakhs
5	Solar System	--	87 Lacs	8 Lacs

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

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

52.Any Other Information

No Information Available

53.Traffic Management

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

Parking details:	**Number and area of basement:**	Nil
	Number and area of podia:	7 NOS / 19237.218 m2
	Total Parking area:	18522.27 sq.m
	Area per car:	5.00 x 2.50 m
	Area per car:	5.00 x 2.50 m
	Number of 2-Wheelers as approved by competent authority:	76
	Number of 4-Wheelers as approved by competent authority:	421
	Public Transport:	NA
	Width of all Internal roads (m):	8 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	Category B
	Court cases pending if any	No
	Other Relevant Informations	---
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	20-01-2016

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

PP Mr. Thomas was present during the meeting along with environmental consultant M/S Building Environment India Pvt. Ltd.

PP informed that, the project under consideration is *proposed Residential Building Redevelopment Project. PP further stated that, t*he total plot area of the project is 6218.39 Sq.mt. having total construction area area 48192.9806 Sq.mt. (FSI - 15530.152 Sq. mt.+ NON FSI- 32662.8286 Sq. mt.) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Rehab building	S + 1st to 7th podium + 8th to 40th residential floors	119.85 (Tank top)
Sale building	S + 1st to 7th podium + 8th to 40th residential floors	119.85 (Tank top

PP stated that, currently there are 12 dilapidated buildings which need to demolish.

The project proposal was discussed on the basis of presentation made and documents submitted by the proponent. All issues related to environment, including air, water, land, soil, ecology and biodiversity and social aspects were discussed. Committee noted that the project is under 8a (B2) category of EIA Notification, 2006. Consolidated statements, synopsis of compliances, form 1, 1A, presentation & plans submitted are taken on the

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) PP to upload Debris Management plan dually approved by corporation.
2) PP to upload revised storm water drain calculation.
3) PP to ensure ECBC norms are complied.
4) PP to submit CER as per MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project or Environment Department may direct PP to undertake CER work in identified area.

FINAL RECOMMENDATION

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

Agenda of 92nd Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 92 **Meeting Date** March 14, 2019

Subject: Environment Clearance for Amendment of Residential project – Meghna Montana at Plot bearing S No. 135/3A, 138/1P, 138/2, 134/1A, 1B, 1C, 1D, 134/2, 138/1D at village – Chikhaloli by M/s. Tharwani Constructions Pvt Ltd

Is a Violation Case: No

1.Name of Project	Amendment of Residential project – Meghna Montana
2.Type of institution	Private
3.Name of Project Proponent	M/s. Tharwani Constructions Pvt Ltd
4.Name of Consultant	M/s. Enviro Analysts & Engineers Pvt Ltd
5.Type of project	Residential Project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	EC received letter no. SEAC-2013/CR-358/TC-1 dtd 21.02.2015
8.Location of the project	Plot bearing S No. 135/3A, 138/1P, 138/2, 134/1A, 1B, 1C, 1D, 134/2, 138/1D at village – Chikhaloli
9.Taluka	Ambernath
10.Village	Chikhaloli
Correspondence Name:	M/s. Tharwani Constructions Pvt Ltd
Room Number:	310-313
Floor:	3rd floor
Building Name:	Persipolis Premises Co-op Soc Ltd
Road/Street Name:	Plot No. 74, Sector – 17
Locality:	Vashi
City:	Navi Mumbai
11.Area of the project	Ambernath Municipal Council (AMC)
12.IOD/IOA/Concession/Plan Approval Number	CC received
	IOD/IOA/Concession/Plan Approval Number: AMC/NRV/BP/17-18/1227/8801/85 dtd 8.12.2017
	Approved Built-up Area: 42210.77
13.Note on the initiated work (If applicable)	As per previous EC received dtd 21.02.2013 Building Type A, B, D, E, F, G, H, I, J are constructed.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Construction has been started as per the previous EC received
15.Total Plot Area (sq. m.)	42580.00
16.Deductions	7067
17.Net Plot area	35271.90
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 81953.17
	b) Non FSI area (sq. m.): 39719.21
	c) Total BUA area (sq. m.): 121560.44
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 42210.77
	Approved Non FSI area (sq. m.): 14383.94
	Date of Approval: 08-12-2017
19.Total ground coverage (m2)	6625.47 sq.mt
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	18.78 %
21.Estimated cost of the project	2500000000.00

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Wing A, B, D, E, F, G, H, I, J	St +7 floors	23.10
2	Wing C	St +18 floors	48.65
3	Wing C1	St +12 floors	37.25
4	Wing L, Q, R, S, T	St + 20 floors	60.00
5	Wing M, N, O, P	St +19 floors	57.35
6	Wing A1	St +16 floors	48.95
7	Wing A2	Gr floor	3.65
8	Clubhouse	Gr + 1 floor	7.80

23.Number of tenants and shops	Residential: 1500 nos. Shops: 11 nos. Total: 1511 nos.
24.Number of expected residents / users	7533 nos.
25.Tenant density per hectare	363 Tenants / hector
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	18.00 m wide D.P road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Minimum 9.00 m
29.Existing structure (s) if any	Nil
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**	AMC/ STP Treated water
	Fresh water (CMD):	676
	Recycled water - Flushing (CMD):	338
	Recycled water - Gardening (CMD):	56
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	1070
	Fire fighting - Underground water tank(CMD):	75
	Fire fighting - Overhead water tank(CMD):	30
	Excess treated water	457
Wet season:	**Source of water**	AMC/ STP Treated water/RWH
	Fresh water (CMD):	676
	Recycled water - Flushing (CMD):	338
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	1014
	Fire fighting - Underground water tank(CMD):	75
	Fire fighting - Overhead water tank(CMD):	30
	Excess treated water	513
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:**	3.5 m to 3.7 m bgl
	Size and no of RWH tank(s) and Quantity:	9 nos. of tanks with total capacity of 384 cum (2days capacity)
	Location of the RWH tank(s):	Below ground level
	Quantity of recharge pits:	Nil
	Size of recharge pits :	Nil
	Budgetary allocation (Capital cost) :	Rs. 84 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 4.2 Lakhs/yr
	Details of UGT tanks if any :	Domestic water tank 681 cum Flushing water tank 404 cum Fire water Tank 75 cum
35.Storm water drainage	**Natural water drainage pattern:**	north to south
	Quantity of storm water:	0.54 cum/sec
	Size of SWD:	600 mm X 600 mm
Sewage and Waste water	**Sewage generation in KLD:**	946 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	2 nos. of STP with total capacity of 975 KLD
	Location & area of the STP:	Below ground level
	Budgetary allocation (Capital cost):	Rs. 143 Lakhs
	Budgetary allocation (O & M cost):	Rs. 36 Lakhs/yr
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:**	1500 kg/day
	Wet waste:	2252 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	47 kg/day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Will be handed over to Local Recyclers.
	Wet waste:	Will be processed in the OWC. manure obtained shall be used for landscaping / Gardening, Excess manure shall be sold to nearby end users
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	To be used as manure & replacement of saw dust for OWC
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	Located at Ground Level
	Area for the storage of waste & other material:	160 sq.m
	Area for machinery:	12 sq.m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 16 Lakhs
	O & M cost:	Rs. 4.06 Lakhs/yr

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	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 :**	11197.35 sq.mt
	No of trees to be cut :	-
	Number of trees to be planted :	626 nos.
	List of proposed native trees :	as given 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	Azadirachata indica	Neem Tree	101	medicinal tree
2	Millingtonia hortensis	Indian Cork tree	94	flowering tree
3	Cordia sebestena	Scarlet cordia	68	flowering tree
4	Polyalthia longifolia	Mast tree	109	evergreen tree
5	Caryota mitis	Fishtail palm	50	shady tree
6	Roystonia regia	Royal Palm	93	shady tree
7	Michelia champaca	Sonchapha	66	evergreen tree
8	Nyctanthes arbortristis	Parijatak	45	flowering tree
45.Total quantity of plants on ground				

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

Serial Number	Name	C/C Distance	Area m2
1	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	75 KVA
	During Operation phase (Connected load):	8730 kW
	During Operation phase (Demand load):	5238 kW
	Transformer:	-
	DG set as Power back-up during operation phase:	2 X 380 KVA & 1 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:

Hotwater provision made using Solar Hotwater system
LED lights used for Staircase & Lobby
LED Lights put on Solar PV Panels
LED lights used for Ext. Road Lighting

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	total energy savings	13%

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.46 Lakh
	O & M cost:	Rs.5.00 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	4
2	Noise Environment	Noise Baricades and Green Belt Developments	3

3	Water Environment	Modular STP , Drainage with sedimentation tanks	3
4	Good Health Practices	Site Sanitation & Health Care	3
5	Environment Monitoring	Environment Monitoring	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	Water Environment	RWH	84	4.2
2	Water Environment	STP	143	36
3	Solid waste management	OWC	16	4.02
4	Energy Savings	Solar	46	5
5	Land environment	Landscaping	15	2

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	The project site is accessible through the existing 18 m wide road

Parking details:	**Number and area of basement:**	Nil
	Number and area of podia:	1138.77 sq.m
	Total Parking area:	13497.75 sq.m
	Area per car:	19 sq.m
	Area per car:	19 sq.m
	Number of 2-Wheelers as approved by competent authority:	nil
	Number of 4-Wheelers as approved by competent authority:	705 nos.
	Public Transport:	NA
	Width of all Internal roads (m):	minimum 6.00 m wide internal road
	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.	Yes
	Date of online submission	01-08-2018

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

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

Brief information of the project by SEAC

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

PP informed that, the project under consideration *is expansion project* which has earlier received EC vide letter 21/02/2015 for TBA 1,04,053.22 sq mtr for 40 nos. of wings with configuration of Gr/St + 7 floors for all wings. It is noted that there is discrepancy in TBA in presentation and in uploaded CS. PP to revise the CS accordingly. It is noted that the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Wing A, B, D, E, F, G, H, I, J	St +7 floors	23.10
Wing C	St +18 floors	48.65
Wing C1	St +12 floors	37.25
Wing L, Q, R, S, T	St + 20 floors	60.00
Wing M, N, O, P	St +19 floors	57.35
Wing A1	St +16 floors	48.95
Wing A2	Gr floor	3.65
Clubhouse	Gr + 1 floor	7.80

PP further informed that, construction of 9 wings completed & received occupation certificate and 4 wings are being constructed whereas the construction remaining 27 buildings as approved in previous EC is not yet commenced. It is proposed to increase number of floors, for which EC accorded, from 7 to 12, 16 and 19 as shown above

PP informed that, now, the project under consideration is with total 22 nos. of wings (including OC received 9 wings) plus 1 clubhouse in the total plot area of 42580 sq.mt instead of 40 nos. of wings approved in earlier EC.

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 and appraisal will be afresh.

Specific Conditions by SEAC:

1) Committee is of the opinion that, the foundation constructed for 7 floors could not sustain proposed vertical expansion. So, accordingly, PP to revise the building configuration of these 4 under construction buildings & should be restricted as approved in earlier EC. Accordingly, PP to submit revised plan to local planning Authority.
2) PP to upload the duly signed approved plans.
3) PP to submit detail statement indicating building wise FSI, Non FSI as per accorded EC, construction done as on date and proposed expansion

FINAL RECOMMENDATION

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

Agenda of 92nd Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 92 **Meeting Date** March 14, 2019

Subject: Environment Clearance for Proposed Residential Cum Commercial Project at Plot bearing S. No. 289/2A, 2B, S. No. 415, 280/1A, 1B, 280/4 at Majiwade, Pokhran Road No. 2, Thane, Maharashtra Proposed By VINAYAK DEVELOPERS

Is a Violation Case: No

1.Name of Project	Proposed Residential Cum Commercial Project
2.Type of institution	Private
3.Name of Project Proponent	Vinayak Developers
4.Name of Consultant	Mahabal Enviro Engineers Pvt. Ltd. Dr. D. A. Patil;
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No
8.Location of the project	On Plot bearing S. No. 289/2A, 2B, S. No. 415, 280/1A, 1B, 280/4 at Majiwade, Pokhran Road No. 2, Thane, Maharashtra
9.Taluka	Thane
10.Village	Majiwade
Correspondence Name:	Vinayak Developers
Room Number:	-
Floor:	-
Building Name:	Meghdoot
Road/Street Name:	Vallabh Baug Lane
Locality:	Damji Shamji Shah Chowk
City:	Ghatkopar (E), Mumbai - 400077
11.Area of the project	Thane Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	IOD Received
	IOD/IOA/Concession/Plan Approval Number: S04/0100/16(2002/81) TMC/TDD/2271/17 dated 05.08.2017
	Approved Built-up Area: 83504.96
13.Note on the initiated work (If applicable)	No work started
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	LOI from TMC received vide letter No. 1056 dated 02.06.2018
15.Total Plot Area (sq. m.)	15,857.68m2
16.Deductions	3710.00 m2
17.Net Plot area	12,147.68 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 37,670.00m2
	b) Non FSI area (sq. m.): 46,429.87 m2
	c) Total BUA area (sq. m.): 84099.87
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 39,590.88 m2
	Approved Non FSI area (sq. m.): 43,914.08 m2
	Date of Approval: 02-06-2018
19.Total ground coverage (m2)	6256.75 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	50.6 %
21.Estimated cost of the project	1800000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Bldg. No. 1	B + LG + UG -A+ UG-B + Upper St.+ 1st to 38th Upper Floors	138.35
2	Bldg. No. 2	B + LG + UG -A+ UG-B + Upper St.+ 1st to 38th Upper Floors	138.35

23.Number of tenants and shops	Flats: 750 Nos. Commercial Area: 1275.08 m2
24.Number of expected residents / users	3983 Nos.
25.Tenant density per hectare	-
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	The project site is accessed by 40 m wide Pokhran Road No. 2
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	No
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	TMC
	Fresh water (CMD):	343
	Recycled water - Flushing (CMD):	173
	Recycled water - Gardening (CMD):	21
	Swimming pool make up (Cum):	3
	Total Water Requirement (CMD) :	520
	Fire fighting - Underground water tank(CMD):	As per NBC
	Fire fighting - Overhead water tank(CMD):	As per NBC
	Excess treated water	283
Wet season:	**Source of water**	TMC
	Fresh water (CMD):	312
	Recycled water - Flushing (CMD):	173
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	3
	Total Water Requirement (CMD) :	520
	Fire fighting - Underground water tank(CMD):	As per NBC
	Fire fighting - Overhead water tank(CMD):	As per NBC
	Excess treated water	304
Details of Swimming pool (If any)	Swimming pool is provided	

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:**	Ground water table at depth of 3 to 4 m
	Size and no of RWH tank(s) and Quantity:	1 RWH tank with total 65 KL capacity
	Location of the RWH tank(s):	Below ground
	Quantity of recharge pits:	-
	Size of recharge pits :	-
	Budgetary allocation (Capital cost) :	Rs. 15 Lakh
	Budgetary allocation (O & M cost) :	Rs. 0.7 Lakh/year
	Details of UGT tanks if any :	Will be provided as per NBC at Basement/ground.
35.Storm water drainage	**Natural water drainage pattern:**	The slope of the plot is towards north side
	Quantity of storm water:	The storm water generation 1783.52 m3/hr
	Size of SWD:	500 x 550 mm wide internal SWD drains
Sewage and Waste water	**Sewage generation in KLD:**	482 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	1 STP of 500 KLD capacity
	Location & area of the STP:	Below Basement
	Budgetary allocation (Capital cost):	Rs.105 Lakh
	Budgetary allocation (O & M cost):	Rs. 20 Lakh/year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction debris: 2000 m3, Excavation for basement and foundation purpose
	Disposal of the construction waste debris:	The construction debris waste will be disposed as per Construction debris and demolition waste management Rule 2016
Waste generation in the operation Phase:	**Dry waste:**	769 kg/day
	Wet waste:	1153 kg/day
	Hazardous waste:	-
	Biomedical waste (If applicable):	-
	STP Sludge (Dry sludge):	5 kg/day
	Others if any:	-

Mode of Disposal of waste:	**Dry waste:**	Dry garbage will be segregated & disposed off to recyclers
	Wet waste:	Wet garbage will be composted using Mechanical Composting Technology and used as organic manure for landscaping.
	Hazardous waste:	-
	Biomedical waste (If applicable):	-
	STP Sludge (Dry sludge):	Sludge use as manure for gardening
	Others if any:	Household E-waste generation
Area requirement:	**Location(s):**	On ground
	Area for the storage of waste & other material:	100 m2
	Area for machinery:	46 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 48 Lakh
	O & M cost:	Rs. 19 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 :**	RG on Ground: 4290.08 m2
	No of trees to be cut :	Existing Trees on site: 23 Nos., Trees to be cut: 22 Nos.
	Number of trees to be planted :	152 Nos.
	List of proposed native trees :	Given below
	Timeline for completion of plantation :	Within 2 years of completion of construction activity

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	ERYTHRINA INDICA	Pangara	20	As medicinal value, Bird and insect attractive.
2	LAGERSTROEMIA SPECIOSA	Tamhan	10	Edible, mature fruit as medicinal value, Bird and insect attractive.
3	MIMUSOP ELENGI	Bakul	15	As medicinal value, Bird and insect attractive.
4	PONGAMIA PINNATA	Karanj	18	Valued for its oil and insect repellent, having medicinal value.
5	SARACA INDICA	Sita Ashok	20	As medicinal value, Bird and insect attractive.
6	ANTHOCEPHALUS CADAMBA	Kadamba	10	Shady, large tree, ball shaped flowers.
7	AZADIRACHTA INDICA	Neem	12	Semi-evergreen tree with medicinal value
8	BAUHINIA PURPUREA	Apta	05	Small tree with small white flowers, Butterfly host plant
9	EUGENIA JAMBOLANA	Jambul	8	Fruit tree attracting birds
10	MICHELIA CHAMPACA	Chafa	6	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
11	MILLINGTONIA HORTENSIS	Indian cork tree	15	Evergreen Tree
12	NYCTANTHES ARBOR TRISTIS	Parijat	5	Small deciduous fast growing tree, beautiful flowers.
13	POLYALTHIA LONGIFOLIA	Ashoka Tree	8	Shady tree with red-yellow flowers.
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	200 kVA
	DG set as Power back-up during construction phase	200 kVA
	During Operation phase (Connected load):	5.2 MW
	During Operation phase (Demand load):	2.8 MW
	Transformer:	-
	DG set as Power back-up during operation phase:	750 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	Nil

48.Energy saving by non-conventional method:

Solar PV Hot water to Residential Buildings, Solar PV Panels on Roof Top of Commercial Area
Solar Street lighting in landscape , common area passages

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	• Use of Energy Efficient Pumps & Motors for firefighting, UG Tanks and STP • Solar PV Panels on Roof Top of Commercial Area • Energy efficient lighting fixtures (LED lights) to all buildings • Use of energy efficient lifts • Efficient wall systems like solid blocks with fly ash content • Use of low-e glass to reduce power requirement • Natural shading through elevation features to minimize heat gain and reduce air-conditioning requirement	21.97 %

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. 7 Lakh/year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water spray for dust suppression	-	5

2	Site sanitation Facility and its maintenance	-	6
3	Potable Water Supply to Labour	-	8
4	Solid waste management	-	5
5	Disinfection	-	4
6	Safety Personal Protective Equipment	(Helmets, Safety Shoes, Safety Belt, Googles, Hand Gloves etc.)	10
7	Traffic Management (Sign Boards, Persons, at entry exit and Parking area)	-	6
8	Safety nets	-	20
9	Tyre cleaning and Vehicle maintenance	-	5
10	Safety Training to Workers (Twice in Year), Safety Officer	-	9
11	Environmental Monitoring	(As per the CPCB guidelines through MoEF&CC Approved laboratories – Ambient Air-RSPM, PM2.5, SO2, NOx, CO), Noise: Leq day time and Night Time)	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 (Tertiary)	-	105	20
2	Solar System	-	140	7
3	Rainwater Harvesting	-	15	0.7
4	Solid Waste Composting	-	48	19
5	Landscape	-	38	6
6	Environmental Monitoring	-	-	4

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	-
Parking details:	**Number and area of basement:**	1 Basement with area: 6584.29 m2
	Number and area of podia:	Upper St area + Lower Ground area + Upper Ground area: 11300.09 m2
	Total Parking area:	17,885.19 m2
	Area per car:	-
	Area per car:	-
	Number of 2-Wheelers as approved by competent authority:	820 Nos.
	Number of 4-Wheelers as approved by competent authority:	820 Nos.
	Public Transport:	-
	Width of all Internal roads (m):	Min 6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park : 0.8 km approx
	Category as per schedule of EIA Notification sheet	8 (a)
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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. Mahabal Enviro Engineers Pvt. Ltd. Dr. D. A. Patil;

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 15,857.68Sq.mt. having total construction area area 84099.87 Sq.mt. (FSI - 37,670.00 sq.mt + NON FSI- 46,429.87sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Bldg. No. 1	B + LG + UG -A+ UG-B + Upper St.+ 1st to 38th Upper Floors	138.35
Bldg. No. 2	B + LG + UG -A+ UG-B + Upper St.+ 1st to 38th Upper Floors	138.35

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

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

Specific Conditions by SEAC:

1) PP to submit DP remarks.
2) PP to submit the copy of HRC NoC.
3) PP to superimpose layout plan of project on ESZ map of Sanjay Gandhi National park to verify the distance of project site from ESZ. PP to upload the same.
4) PP to upload approval from Competent Authorities for water supply, sewerage, storm water.
5) PP to upload revised design with free board in storm water drain design.
6) PP also providing RG on podium with top soil. PP to upload provision in DCR reg % RG required.
7) Slope of ramp has to be 1:12
8) PP to submit revised fire tender movement plan clearly marking drive way particularly on North and West side of building drawing.
9) PP to submit CER as per MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project or Environment Department may direct PP to undertake CER work in identified area

FINAL RECOMMENDATION

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

Agenda of 92nd Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 92 **Meeting Date** March 14, 2019

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

Is a Violation Case: No

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

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

22.Number of buildings & its configuration

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

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

29.Existing structure (s) if any	Tower A, B, C, D full OC received, E, F, G, H part OC received
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	MCGM, Recycled water
	Fresh water (CMD):	1445 KLD
	Recycled water - Flushing (CMD):	946 KLD
	Recycled water - Gardening (CMD):	200 KLD
	Swimming pool make up (Cum):	10 cum
	Total Water Requirement (CMD) :	2591 KLD
	Fire fighting - Underground water tank(CMD):	1300 cum
	Fire fighting - Overhead water tank(CMD):	30 cum + 10 cum @alternate refugee floors
	Excess treated water	627 KLD
Wet season:	**Source of water**	MCGM, Recycled water, RWH
	Fresh water (CMD):	1445 KLD
	Recycled water - Flushing (CMD):	946 KLD
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	10 cum
	Total Water Requirement (CMD) :	2391 KLD
	Fire fighting - Underground water tank(CMD):	1300 cum
	Fire fighting - Overhead water tank(CMD):	30 cum + 10 cum @alternate refugee floors
	Excess treated water	827 KLD
Details of Swimming pool (If any)	10 cum	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	2.3 – 4 m
	Size and no of RWH tank(s) and Quantity:	320 cum & 4 nos.
	Location of the RWH tank(s):	Ground
	Quantity of recharge pits:	Existing 19 nos.
	Size of recharge pits :	150 mm
	Budgetary allocation (Capital cost) :	Shall be examined during EIA
	Budgetary allocation (O & M cost) :	Shall be examined during EIA
	Details of UGT tanks if any :	Shall be examined during EIA
35.Storm water drainage	**Natural water drainage pattern:**	Shall be examined during EIA
	Quantity of storm water:	Shall be examined during EIA
	Size of SWD:	Shall be examined during EIA
Sewage and Waste water	**Sewage generation in KLD:**	1991 KLD
	STP technology:	SAFF
	Capacity of STP (CMD):	STP 1 for Towers 1, 2, 3 & 8: 625 KLD ; STP 2 for Towers 4, 5, 6, 7 & club house: 520KLD ; STP 3 for Retail: 105 KLD ; STP 4 for GCP: 50 KLD, Proposed STP: 750 KLD
	Location & area of the STP:	Shall be examined during EIA
	Budgetary allocation (Capital cost):	Shall be examined during EIA
	Budgetary allocation (O & M cost):	Shall be studied during EIA

36.Solid waste Management

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

Mode of Disposal of waste:	**Dry waste:**	Will be handed over to recyclers.
	Wet waste:	Biodegradable waste will be processed in OWC and manure so obtained will be used for landscaping
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	will be used as manure
	Others if any:	NA
Area requirement:	**Location(s):**	Shall be examined during EIA
	Area for the storage of waste & other material:	Shall be examined during EIA
	Area for machinery:	Shall be examined during EIA
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Shall be examined during EIA
	O & M cost:	Shall be examined during EIA

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	15713.37 sq m
	No of trees to be cut :	NA
	Number of trees to be planted :	1396 trees, Shrubs 778 on podium, 118 nos along plot boundary
	List of proposed native trees :	As given below
	Timeline for completion of plantation :	Before Completion of project

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Shall be examined during EIA	Shall be examined during EIA	Shall be examined during EIA	Shall be examined during EIA
45.Total quantity of plants on ground				

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

Serial Number	Name	C/C Distance	Area m2
1	Shall be examined during EIA	Shall be examined during EIA	Shall be examined during EIA

47.Energy

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

48.Energy saving by non-conventional method:

Shall be examined during EIA

49.Detail calculations & % of saving:

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

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Shall be examined during EIA
	O & M cost:	Shall be examined during EIA

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water Sprinkling, Green Belt Development, Covered storage area	2
2	Noise Environment	Noise Barricades and Green Belt Developments	1.5
3	Water Environment	Modular STP, Drainage with sedimentation tanks	1.5
4	Good Health Practices	Site Sanitation & Health Care	1.5
5	Environment Monitoring	Air, water, noise soil monitoring during construction phase	2

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Water Environment	RHW	Shall be examined during EIA	Shall be examined during EIA
2	Water Environment	STP	Shall be examined during EIA	Shall be examined during EIA
3	Solid waste management	OWC	Shall be examined during EIA	Shall be examined during EIA
4	Energy conservation	Solar saving	Shall be examined during EIA	Shall be examined during EIA
5	Landscaping	Green Belt Development	Shall be examined during EIA	Shall be examined during EIA

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	3 vehicular entries/ exits
Parking details:	**Number and area of basement:**	2 Basement for Tower A, B, C, D, E, F, G, H & 4 basements for Tower 1, 2, 3, 4, 5
	Number and area of podia:	3 Podium: for Tower A, B, C, D, E, F, G, H & 9 Podium: for Tower 1, 2, 3, 4, 5.
	Total Parking area:	-
	Area per car:	-
	Area per car:	-
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	Residential 4W: 3583 nos. For proposed residential 4W: 3502 nos. GCP 4W: 1552 nos. GCP Trucks: 117 nos.
	Public Transport:	Mulund Goregaon Link Road
	Width of all Internal roads (m):	12 m, 9m, 6m wide internal road.
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park (1.77 Km)
	Category as per schedule of EIA Notification sheet	8(b)
	Court cases pending if any	NA
	Other Relevant Informations	-

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

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

PP Mr. Shishir Tiwari 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 of residential cum commercial project. PP further stated that, the total plot area of the project is 82,054.60 Sq.mt having total construction area 7,01,348.41Sq. mt. (FSI - 274398.55 Sq.mt + NON FSI- 426949.86 Sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Tower A	2B+ Gr + upper Gr + 3P + Stilt +36 Floors+ 1 FC Floor	144.10
Tower B	2B+ Gr + upper Gr + 3P + Stilt +36 Floors+ 1 FC Floor	144.10
Tower C	2B+ Gr + upper Gr + 3P + Stilt +36 Floors+ 1 FC Floor	144.10
Tower D	2B+ Gr + upper Gr + 3P + Stilt +38 Floors+ 2 FC Floor	152.60
Tower E	2B+ Gr + upper Gr + 3P + Stilt + 41 Floors+ 2 FC Floor	162.65
Tower F	2B+ Gr + upper Gr + 3P + Stilt +36 Floors+ 1 FC Floor	144.10
Tower G	2B+ Gr + upper Gr + 3P + Stilt +36 Floors+ 1 FC Floor	144.10
Tower H	2B+ Gr + upper Gr + 3P + Stilt + 40 Floors+ 2 FC Floor	159.30
Tower 1	5B + Gr + 9P + 2 amenity floors + 1st to 54 floors**+ 2 service floors**.	214.10
Tower 2	5B + Gr + 9P + 2 amenity floors + 1st to 54 floors**+ 2 service floors**.	214.10
Tower 3	5B + Gr + 9P + 2 amenity floors + 1st to 54 floors**+ 2 service floors**.	214.10
Tower 4	5B + Gr + 9P + 2 amenity floors + 1st to 54 floors**+ 2 service floors**.	214.10
Tower 5	5B + Gr + 9P + 2 amenity floors + 1st to 54 floors**+ 2 service floors**.	214.10

PP further stated that, the project has received previous EC vide letter dated 4th Feb 2013 for the total construction area of 5,32,747.60 sq mt. PP informed that, there were 8 nos. of towers proposed as per earlier EC. PP further informed that, the works of all the towers have been completed & Tower A to D (4 nos.) has also received occupation certificate and for Tower E to H (4 nos.) part occupation is granted by local planning authority i.e MCGM.

PP stated that, now the proposed expansion is due to increase in FSI area as there is revision in the MCGM's amenity plot policy. PP stated that, the total plot area 8209.30 Sq.mt received back from local authority which was earlier handed over to them as reservation. PP further stated that, the proposed expansion comprises of additional 5 residential buildings viz Tower 1, Tower 2, Tower 3, Tower 4 & Tower 5 with configuration of 5B + Gr + 9P + 2 amenity floors + 1st to 54 floors + 2 service floors with height of 214.10 m on the side plot.

It is noted that the project earlier considered in 84th SEAC-2 Meeting held on 07-01-2019 and ToR was granted for the same.

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

DECISION OF SEAC

Considering the scope of the project & time constraint, Committee decided to consider the project in the next meeting. PP agreed to this, hence project deferred.

Specific Conditions by SEAC:

5) PP to submit & upload the revised landscape plan.
6) PP to submit the HRC NoC.

FINAL RECOMMENDATION

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