Agenda of 131th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 131 Day-2 **Meeting Date** March 6, 2020

Subject: Environment Clearance for Building & Construction Project

Is a Violation Case: No

1.Name of Project	Arihant Vatika Pvt Ltd
2.Type of institution	Private
3.Name of Project Proponent	Arihant Vatika Pvt Ltd
4.Name of Consultant	EIA Coordinator : Sourabh S. Jaiswar for M/s S G M Corporate Consultant Pvt Ltd
5.Type of project	Building & Construction 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	obtained on dated 06/01/2017
8.Location of the project	S.NO. 36/1, 35/4,
9.Taluka	Panvel
10.Village	Koynavele, Ghot camp
Correspondence Name:	Nimesh Shah
Room Number:	1501
Floor:	15
Building Name:	Arihant Aura
Road/Street Name:	Thane Belapur Road
Locality:	MIDC Turbhe
City:	Navimumbai
11.Whether in Corporation / Municipal / other area	NAINA
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: 2017/ PMC/ BP/ 11192/ 2017 dated 22/12/2017 from Panvel Municipal Corporation.
	Approved Built-up Area: 22725.80
13.Note on the initiated work (If applicable)	Work in progress as per EC obtained on dated 06/01/2017
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	30950.00
16.Deductions	1547.50
17.Net Plot area	29402.50
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 33835.00
	b) Non FSI area (sq. m.): 19500.70
	c) Total BUA area (sq. m.): 53335.70
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 22725.80
	Approved Non FSI area (sq. m.): 15961.76
	Date of Approval: 22-12-2017
19.Total ground coverage (m2)	9030
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	33.20
21.Estimated cost of the project	68390000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	17 No. Residential Bldgs	St + 4	15.00 m
2	02 Residential Bldgs	St + 8	27.20 m
3	01 Residential Bldgs	ST + 9	30.20 m
4	01 Cub House	G + 1	9.0 m

23.Number of tenants and shops	Tenements : 735 no's
24.Number of expected residents / users	3675
25.Tenant density per hectare	220
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	15.0 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	NA
29.Existing structure (s) if any	NA
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	PMC
	Fresh water (CMD):	240
	Recycled water - Flushing (CMD):	115
	Recycled water - Gardening (CMD):	15
	Swimming pool make up (Cum):	3.0
	Total Water Requirement (CMD) :	373
	Fire fighting - Underground water tank(CMD):	00
	Fire fighting - Overhead water tank(CMD):	00
	Excess treated water	154
Wet season:	**Source of water**	PMC
	Fresh water (CMD):	240
	Recycled water - Flushing (CMD):	115
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	3.0
	Total Water Requirement (CMD) :	358
	Fire fighting - Underground water tank(CMD):	00
	Fire fighting - Overhead water tank(CMD):	00
	Excess treated water	169
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	8-10 m
	Size and no of RWH tank(s) and Quantity:	02 (90 cum)
	Location of the RWH tank(s):	Below ground
	Quantity of recharge pits:	10
	Size of recharge pits :	(1.5 x 1.5 x 2.0) m
	Budgetary allocation (Capital cost) :	15 Lakhs
	Budgetary allocation (O & M cost) :	0.75 Lakhs
	Details of UGT tanks if any :	domestic : 150 & 90 cum Flushing : 80 , 40 cum
35.Storm water drainage	**Natural water drainage pattern:**	Yes
	Quantity of storm water:	0.54 cum/sec
	Size of SWD:	400 mm wide x 600 mm
Sewage and Waste water	**Sewage generation in KLD:**	315
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	200 & 150
	Location & area of the STP:	Ground & 175.00 sq.m
	Budgetary allocation (Capital cost):	65.0
	Budgetary allocation (O & M cost):	7.20
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	during construction 250 to 500 kg/day
	Disposal of the construction waste debris:	Low lying & making of internal road.
Waste generation in the operation Phase:	**Dry waste:**	735 kg/day
	Wet waste:	1102 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	35 Kg
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Segregated/Sale/Collected by local authority
	Wet waste:	Composting through OWC or Biogas through digester
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Manure
	Others if any:	NA
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	50.50 sq.m
	Area for machinery:	10.0 sq.m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	12.0
	O & M cost:	4.0

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 :**	2735.00 sq.m
	No of trees to be cut :	NA
	Number of trees to be planted :	290
	List of proposed native trees :	yes
	Timeline for completion of plantation :	Dec 20

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	Cassia Fistula	Labrum	30	Provides shade, edible fruits
2	Erythrina indica	Coral tree	10	Provides shade, edible fruits
3	Magnifera indica	Amba	20	Provides shade, edible fruits
4	Polyalthia	Ashok	60	Evergreen tree helps in controlling noise pollution
5	Bahuhinia racemosa	Apta	10	It's a Shrub/tree with fragrant flowers
6	Embalica officinalis	Awala	10	Fruiting tree
7	Mimusopes elengi	Bakul	15	Evergreen tree, timber yielding and medicinal plant
8	Roystonea regia	Royal palm	50	Nitrogen fixer, ornamental plant
9	Butea monosperma	Palas	30	Evergreen tree helps in controlling noise pollution
10	Azidirachata Indica	Neem	25	evergreen medicinal plan
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	ANNEXURE	ANNEXURE	ANNEXURE

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	50 KVA
	During Operation phase (Connected load):	4140KW
	During Operation phase (Demand load):	2670 KVA
	Transformer:	630 KVA X 5
	DG set as Power back-up during operation phase:	2X 250 & 100 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

? Light fixtures will be used with energy saving LED & T5 fluorescent tube with electronic chocks.
? Use of Solar energy for street & landscape lightings.
? Small capacity transformers having low no load and load losses.
? Selection of Energy efficient equipments (BEE STAR RATED

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Light fixtures will be used with energy saving LED & T5 fluorescent tube with electronic chocks, Use of Solar energy for street & landscape lightings.	about 15.40 % energy savings in common areas.

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:**	65
	O & M cost:	5.5

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Sanitation	pH, BOD, COD etc.	2.5
2	Health	checkup	2.0
3	Health	checkup	2.0

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP	pH, BOD, COD etc.	65.0	7.20
2	RAIN WATER HARVESTING	NA	15.0	0.75
3	SOLID WASTE MANAGEMENT	PH, NPK	12.0	4.0
4	ENERGY SAVING MEASURES	LED, Solar Energy	65.0	5.5
5	Green Belt	plantation	12.0	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:	1
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	6696.20
	Area per car:	12.50 sq.m
	Area per car:	12.50 sq.m
	Number of 2-Wheelers as approved by competent authority:	735
	Number of 4-Wheelers as approved by competent authority:	252 No
	Public Transport:	Bus Stop
	Width of all Internal roads (m):	6.0
	CRZ/ RRZ clearance obtain, if any:	NA

	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8 a (B2)
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Representative of PP was present during the meeting along with environmental consultant. M/s. S G M Corporate Consultant Pvt Ltd.

PP informed that, the project under consideration is expansion in construction project. PP further stated that, the total plot area of the project is 22790.00 Sq.mt having total construction area 38687.56 Sq.mt (FSI - 22725.80 Sq. m. + NON FSI- 15961.76 Sq. m.) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
17 No. Residential Bldgs	St + 4	15.00 m
01 C;ub	House G + 1	9.0 m

It is noted that, Project has received Environmental clearance vide letter dated 06/01/2017.

It is noted that the project earlier considered in SEAC-2 114th Meeting held on 27-09-2019 & deferred with observations namely- 1) to submit dated Architect certificate addressing to committee regarding building wise construction (Configuration, FSI, NoN-FSI, TBUA) approvals from local Authority, actual construction done and proposed expansion. 2) to clearly earmark the parking space on plan. 3) PP to convert the amenity open Spaces-2 into RG 4) to provide clear 6mt drive way with 9mt turning radius for fire tender movement. also earmark all the driveway clearly. 5) to submit the sewerage network, water supply, storm water drain NOC from local planning authority. 6) 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. 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,

DECISION OF SEAC

record.

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

Specific Conditions by SEAC:

1) The planning authority to ensure that no occupation certificate is given to the Project till surplus discharge from STP of the Project is connected to duly developed and commissioned sewage disposal system of local planning authority.
2) PP to ensure that BOD of treated water should be less than 5 mg/lit.
3) PP to abide all conditions prescribed in CFO NOC issued from time to time.
4) PP to ensure that STP to be constructed in order to have minimum 40% area of STP, open to sky.
5) PP to provide minimum 25% parking numbers with electric charging points.
6) The PP to get NOC from competent authority with reference to Thane creek flamingo sanctuary if the project site falls within 10 Km radius from the said sanctuary boundary. The planning authority to ensure fulfilment of this condition before granting CC.
7) PP to submit CER prescribed by MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project. The specific activities to be undertaken under CER to be carried out in consultation with Municipal Corporation or collector or Environment Department.

FINAL RECOMMENDATION

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

Agenda of 131th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 131 Day-2 **Meeting Date** March 6, 2020

Subject: Environment Clearance for Proposed Residential cum Commercial Project "Avenue One" on plot A-3/1, Sector-39 A , at Kharghar, Navi Mumbai , Taloja Village, Taluka – Panvel, Dist- Raigad

Is a Violation Case: No

1.Name of Project	"Avenue One"- Residential cum Commercial Project
2.Type of institution	Private
3.Name of Project Proponent	M/s Sai Mahaavir Developers
4.Name of Consultant	M/s. 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 project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Plot A-3/1, Sector-39 A , at Kharghar, Navi Mumbai , Taloja Village, Taluka – Panvel, Dist- Raigad
9.Taluka	Panvel
10.Village	Taloja
Correspondence Name:	Mr Surinder Sablok (Partner)
Room Number:	66
Floor:	6th Floor
Building Name:	Mahavir Center
Road/Street Name:	Plot no.77, Sector 17
Locality:	Vashi
City:	Navi Mumbai
11.Whether in Corporation / Municipal / other area	Kharghar CIDCO (City and Industrial Development Corporation)
12.IOD/IOA/Concession/Plan Approval Number	LOI received form CIDCO
	IOD/IOA/Concession/Plan Approval Number: CIDCO/BP-16981/TPO(NM)/2019/1297 dated 29/8/2019
	Approved Built-up Area: 13794.63
13.Note on the initiated work (If applicable)	Nil
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	LOI , CFO, CC has been received
15.Total Plot Area (sq. m.)	9199.98 sqm
16.Deductions	Nil
17.Net Plot area	9199.98 sqm
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 13794.63
	b) Non FSI area (sq. m.): 25793.66
	c) Total BUA area (sq. m.): 39588.29
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 13794.63
	Approved Non FSI area (sq. m.): 25793.66
	Date of Approval: 29-08-2019
19.Total ground coverage (m2)	5799.74 sqm
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	63%
21.Estimated cost of the project	1100000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	1 Building with 2 wings (A&B)	Gr floor (Stilt Parking) + 1st floor parking on podium +2nd floor (recreational area)+ 3rd to 20th Upper residential floors	66.71 m

23.Number of tenants and shops	Residential - 264 nos Commercial:12 nos.
24.Number of expected residents / users	Residential – 1380 No's ,Shops- 36 No's, total -1416 nos
25.Tenant density per hectare	286 tenant per 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 mt wide DP road in East Direction
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.00 M
29.Existing structure (s) if any	Nil (vacant plot)
30.Details of the demolition with disposal (If applicable)	Not applicable

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	CIDCO / Treated water from STP
	Fresh water (CMD):	125 KLD
	Recycled water - Flushing (CMD):	63 KLD
	Recycled water - Gardening (CMD):	34 KLD
	Swimming pool make up (Cum):	10 KLD
	Total Water Requirement (CMD) :	222 KLD
	Fire fighting - Underground water tank(CMD):	200 Cum
	Fire fighting - Overhead water tank(CMD):	20 Cum
	Excess treated water	60 KLD
Wet season:	**Source of water**	CIDCO/RWH/ treated water from STP
	Fresh water (CMD):	125 KLD
	Recycled water - Flushing (CMD):	63 KLD
	Recycled water - Gardening (CMD):	0 KLD
	Swimming pool make up (Cum):	10 KLD
	Total Water Requirement (CMD) :	188KLD
	Fire fighting - Underground water tank(CMD):	200 Cum
	Fire fighting - Overhead water tank(CMD):	20 Cum
	Excess treated water	94 KLD
Details of Swimming pool (If any)	Swimming pool 1 nos , area: 344.20 sqm	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	0.50m to 0.75m blg
	Size and no of RWH tank(s) and Quantity:	1 no of 55 cum (2 day holding capacity)
	Location of the RWH tank(s):	Ground
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Rs 2.00 lakhs
	Budgetary allocation (O & M cost) :	Rs 0.10 lakhs/ annum
	Details of UGT tanks if any :	Domestic -125 cum Flushing- 63 cum RWH-55 cum fire fighting- 200 cum Location- Ground
35.Storm water drainage	**Natural water drainage pattern:**	Toward the east to D.P road
	Quantity of storm water:	0.20 cum/sec
	Size of SWD:	450 mm wide and 450 mm deep
Sewage and Waste water	**Sewage generation in KLD:**	175 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	1 nos x 190 KLD
	Location & area of the STP:	Ground (95.00sqm)
	Budgetary allocation (Capital cost):	Rs 36.00 Lakhs
	Budgetary allocation (O & M cost):	Rs 6.00 Lakhs/annum

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Excavated material, Cement Bags , Paint container (@20L), Scrap metal generated,Broken Tiles.
	Disposal of the construction waste debris:	Excavated material Shall be used on site for backfilling and for internal roads. Cement Bags Empty bags to be handed over to recycler. Paint container (@20L) To be handed over to recycler. Scrap metal generated Entirely to be sold for recycling, Broken Tiles Waste tiles to be used for skirting. Broken pieces to be used for china mosaic waterproofing of terraces.
Waste generation in the operation Phase:	**Dry waste:**	281 kg/day
	Wet waste:	416 kg/day
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	8 kg/day
	Others if any:	E-waste will be handed over to MPCB authorized dealers

Mode of Disposal of waste:	**Dry waste:**	To be hand over to Local Recyclers for recycling
	Wet waste:	To be processed in the OWC. Manure obtained shall be used for landscaping / Gardening, Excess manure shall be sold to nearby end users
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	To be used as a manure.
	Others if any:	E-waste will be handed over to MPCB authorized dealers
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	36.00 sqm
	Area for machinery:	5.00 sqm
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs 6.00 lakhs
	O & M cost:	Rs 1.20 lakhs/annum

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

42.Mode of Transportation of fuel to site	Not applicable

43.Green Belt Development	**Total RG area :**	Layout RG present, Additional RG on ground-953.77 sqm , RG on podium-3907.66 sqm total-RG-4861.44 sqm
	No of trees to be cut :	-
	Number of trees to be planted :	115 nos.
	List of proposed native trees :	same as below
	Timeline for completion of plantation :	By the end of construction phase

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Peepal	Ficus religiosa	15	shadey, ornamental
2	Badam	Terminalia catappa	20	shadey, ornamental
3	Gulmohar	Delonix regia	28	shadey, ornamental
4	Ashoka	Saraca asoca	27	shadey, ornamental
5	Satvina	Alstonia scholaris	25	shadey, 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	Gloriosa suparba	2.50 m	6.00 m
2	Adhatoda vasica	2.50 m	6.00 m
3	Tecona stans	2.50 m	6.00 m
4	Bougain villee sps	2.50 m	6.00 m
5	Passsiflora edulis	2.50 m	6.00 m

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):	3782 kW
	During Operation phase (Demand load):	1315 kW
	Transformer:	2 X 900 kVA
	DG set as Power back-up during operation phase:	1 x 250 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

1) Use of 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
3) use electrical equipments such as AC, Fridge, Microwave, Light Fixtures etc. which are Higher rated(5 Star) by BEE
4) solar PV Panels for lighting of common areas and external lighting

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Overall energy savings	16%

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs 24 .00 lakhs
	O & M cost:	Rs. 2.00 Lakhs/annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water Sprinkling, Green Belt Development,	15.00
2	Noise Environment	Noise Baricades and Green Belt Developments	5.50

3	Water Environment	Modular STP , Drainage with sedimentation tanks	8.00
4	Good Health Practices	Site Sanitation & Health Care	5.00
5	Environment Monitoring	Air,water,noise soil monitoring during construction phase	1.50

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Rain Water Harvesting	RWH tanks	2.00	0.10
2	Solid waste management	OWC	6.00	1.20
3	Wastewater management	STP	36.00	6.00
4	energy savings	Solar, LED and others	24.00	2.00
5	green belt	Landscaping	40.00	8.00

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	15.00 mt wide DP road (2 entry/exit)

Parking details:	**Number and area of basement:**	Nil
	Number and area of podia:	2 nos of podium (1 podium will be used for parking (4251.87 sqm) and 2nd for landscape)
	Total Parking area:	7865.89 sqm
	Area per car:	Ground-27.00 sqm, Podium -33.00 sqm,
	Area per car:	Ground-27.00 sqm, Podium -33.00 sqm,
	Number of 2-Wheelers as approved by competent authority:	24 nos
	Number of 4-Wheelers as approved by competent authority:	260 nos
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	6.00 m wide internal roads
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	8(a) B2
	Court cases pending if any	Not applicable
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	06-06-2016

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

PP was absent; hence the project is deferred.

DECISION OF SEAC

PP was absent; hence the project is deferred.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

Agenda of 131th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 131 Day-2 **Meeting Date** March 6, 2020

Subject: Environment Clearance for Amendment /Expansion in EC of Residential Project "Vihang Valley" at village Owale Dist-Thane (W) by Vihang Infrastructure Pvt. Ltd.

Is a Violation Case: No

1.Name of Project	Vihang Infrastructure Pvt. Ltd.
2.Type of institution	Private
3.Name of Project Proponent	Vihang Infrastructure Pvt. Ltd.
4.Name of Consultant	Mahabal Enviro Engg. Pvt. Ltd.; Dr. D. A. Patil
5.Type of project	Residential Project
6.New project/expansion in existing project/modernization/diversification in existing project	Amendment/ Expansion in EC
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Environmental Clearance vide letter no. SEAC-2010/CR716/TC.2 dt. 25.05.2011; Revalidation in EC –154th SEIAA Minutes 0000000994 dt. 5.02.2019
8.Location of the project	Land bearing S. No. 69/1 (1/1, 1/2), 69/3A (3A/1, 3A/2), 69/4, 5 (5/1, 5/2), 6, 72(4B), 72(4C), 72(4D), 72(4E), 74/1/3A, 74/1/3B, 74/1/1B, 74/1/2B, 74/1/2A, 74/3 (3/1, 3/2), 74/5, 2B, 74/2A (2A/1, 2A/2), 74/4, 74/5, 75/1A, 75/1B, 75/2B, 75/2C, 77/1 (1/2, 1/3), 77/2, 77/3, 78/1B, 78/1D, 78/1E, 78/3A (3A/1, 3A/2), 78/4A, 78/4B, 78/3B (3B/1, 3B/2, 3B/3), 76 of village Owale, Dist.-Thane
9.Taluka	Thane
10.Village	Owale
Correspondence Name:	Mr. Yogesh Chandegala
Room Number:	-
Floor:	12th Floor
Building Name:	Dev Corpora
Road/Street Name:	Cadbury Junction, Eastern Express Highway
Locality:	Khopat
City:	Thane (W) 400601
11.Whether in Corporation / Municipal / other area	Thane Municipal Corporation (TMC)
12.IOD/IOA/Concession/Plan Approval Number	V. P. No. 2008/37/TMC/TDD/170 dt. 31/10/2013 ; V. P. No. 2008/37/TMC/TDD/3038/19 dt. 01/04/2019
	IOD/IOA/Concession/Plan Approval Number: V. P. No. 2008/37/TMC/TDD/170 dt. 31/10/2013 ; V. P. No. 2008/37/TMC/TDD/3038/19 dt. 01/04/2019
	Approved Built-up Area: 86091.43
13.Note on the initiated work (If applicable)	Yes construction Work is in progress as per EC received (Total Construction Area : 65,663.14 m2)
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	V. P. No. 2008/37/TMC/TDD/170 dt. 31/10/2013 ; V. P. No. 2008/37/TMC/TDD/3038/19 dt. 01/04/2019
15.Total Plot Area (sq. m.)	57,655.00 m2
16.Deductions	25,706.29 m2
17.Net Plot area	29,494.91 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 78,160.27 m2
	b) Non FSI area (sq. m.): 52,357.25 m2
	c) Total BUA area (sq. m.): 130517.52
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 51,815.77 m2
	Approved Non FSI area (sq. m.): 34,275.66 m2
	Date of Approval: 01-04-2019
19.Total ground coverage (m2)	16,204.00 m2

20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	55%
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	Type A (4 Nos.) (A1 to A4)	St+7 Floors	23.25
2	Type B (2 Nos.) (B1 & B2)	St+7 Floors	23.25
3	Type C (4 Nos.) (C1 to C4)	St+7 Floors	23.25
4	Type D (D1 to D3)	Gr/St (pt) + Pod (pt)+1st to 21st Floors	68.45
5	Type D (D4)	St + Pod (pt)+1st to 36th Floors	114.55
6	Type V (6 Nos.) (V1 to V6)	St+16 Floors	51.30
7	Type H (4 Nos.) (H1 to H4)	Gr/St (pt)+Pod (pt) +1st to 20th Floors	65.55
8	Club House	Gr+ 2 Floors	12.65

23.Number of tenants and shops	Flats : 1,789 Nos. Commercial Area : 1,830.93 m2
24.Number of expected residents / users	9,128 Nos.
25.Tenant density per hectare	616/ha
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	The project site is accessible by 30 m & 40 m wide D.P. road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	Nil
30.Details of the demolition with disposal (If applicable)	Nil

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	TMC
	Fresh water (CMD):	810 KLD
	Recycled water - Flushing (CMD):	406 KLD
	Recycled water - Gardening (CMD):	43 KLD
	Swimming pool make up (Cum):	3 KLD
	Total Water Requirement (CMD) :	1,219 KLD
	Fire fighting - Underground water tank(CMD):	As per CFO NOC
	Fire fighting - Overhead water tank(CMD):	As per CFO NOC
	Excess treated water	675 KLD
Wet season:	**Source of water**	TMC + RWH
	Fresh water (CMD):	692 KLD+118 KLD
	Recycled water - Flushing (CMD):	406 KLD
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	1,219 KLD
	Fire fighting - Underground water tank(CMD):	As per CFO NOC
	Fire fighting - Overhead water tank(CMD):	As per CFO NOC
	Excess treated water	718 KLD
Details of Swimming pool (If any)	Provided as per norms	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	3-4 m
	Size and no of RWH tank(s) and Quantity:	RWH Tank of total capacity 240 KL
	Location of the RWH tank(s):	Ground
	Quantity of recharge pits:	7 recharge pits
	Size of recharge pits :	1.5 m X 1.5 m
	Budgetary allocation (Capital cost) :	Rs. 55 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 3 Lakh/ year
	Details of UGT tanks if any :	UG Tanks will be provided as per NBC norms
35.Storm water drainage	**Natural water drainage pattern:**	The slope of the area is North side
	Quantity of storm water:	6,574.25 m3/hr
	Size of SWD:	500 mm X 900 mm Wide
Sewage and Waste water	**Sewage generation in KLD:**	1,135 KLD
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	1,200 KLD
	Location & area of the STP:	Location: Ground ; Area: 600 m2
	Budgetary allocation (Capital cost):	Rs. 240 Lakhs
	Budgetary allocation (O & M cost):	Rs. 48 Lakhs/ year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction Debris: : 1900 m3
	Disposal of the construction waste debris:	The construction debris is utilized at project site for paving and land leveling.
Waste generation in the operation Phase:	**Dry waste:**	1,804 kg/day
	Wet waste:	2,705 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	11 kg/day
	Others if any:	-

Mode of Disposal of waste:	**Dry waste:**	Waste will be segregated at source. The recyclable waste will be handed over to the authorized vendor.
	Wet waste:	Biodegradable waste will be converted to compost using Mechanical Composting Unit.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Sludge after dewatering will be used as a manure for gardening
	Others if any:	-
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	250 m2
	Area for machinery:	110 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 110 Lakhs
	O & M cost:	Rs. 44 Lakhs/ year

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

42.Mode of Transportation of fuel to site	Not applicable

43.Green Belt Development	**Total RG area :**	RG Area Required: 8,674.97 m2; R.G. Area Provided: 8,676.15 m2
	No of trees to be cut :	Nil
	Number of trees to be planted :	Tress planted on site: 313 Nos.; Tress to be planted: 307 Nos.
	List of proposed native trees :	As mentioned below
	Timeline for completion of plantation :	Will be planted after completion of construction work

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	Alibizia lebback	Shirish	25	Shady tree, yellowish green Fragrant flowers
2	Mimosop elengi	Bakul	25	Shady tree, small white fragrant flowers
3	Cassia fistula	Golden Shower Tree	20	Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plants.
4	Azadirachta indica	Neem	25	Neem is fast growing tree, used in medicinal purpose.
5	Coco nucifera	Coconut	20	It is large palm growing tall, Coconut used in cooking as well as in soap and cosmetics.
6	Areca catechu	Suapri	17	Medium sized and palm tree
7	Plumeria alba	Chafa	25	Fragrant tree, insect attracting
8	Saraca indica	Sita Ashoka	20	As medicinal value, Bird and insect attractive.
9	Bauhinia purpurea	Apta	15	Small tree with small white flowers, Butterfly host plant
10	Anthocephalus cadamba	Kadamb	25	Shady, large tree, ball shaped flowers.
11	Eugenia jambolana	Jambhul	25	Medicinal properties
12	Lagerstroemia speciosa	Tamhan	20	State flower tree of Maharashtra Medium sized tree, beautiful purple flowers
13	Bombax ceiba	Katesavar	20	Large tree, red flowers.
14	Nyctanthes arbortristis	Parijatak	25	Small deciduous fast growing tree, beautiful 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):	10.5 MW
	During Operation phase (Demand load):	5.7 MW
	Transformer:	1 x 630 kVA
	DG set as Power back-up during operation phase:	6 Nos. with total capacity 1,925 kVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	No

48.Energy saving by non-conventional method:

- Solar street lights are proposed for common area such as open spaces, pathways, RG etc.
- Solar hot water will be provided

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total Energy Saving	>20 %

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. 94 Lakhs
	O & M cost:	Rs. 5 Lakhs/year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water spray for dust suppression	-	6
2	Site sanitation and Potable Water Supply to Labor	-	5
3	Environmental Monitoring	-	4
4	Health checkup & First Aid	-	3

5	Safety Personal Protective Equipment	-	8
6	Traffic Management	Sign Boards, Persons at entry exit and parking area	3
7	Safety nets	-	10
8	Safety Training to Workers	Twice in year, Safety Officer	3
9	Solid waste Management & site maintenance activity	-	6
10	Disinfection	-	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)	240	48	Continuous O & M
2	Solar System	94	5	Weekly
3	Rainwater harvesting	55	3	During rainy season (Cleaning of RWH tanks and Filtration chamber)
4	Solid Waste Composting plant	110	44	Continuous O & M
5	Landscape	81	8	Daily
6	Environmental Monitoring	-	4	As per the CPCB guidelines through MoEF Approved laboratories

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 by 30 m & 40 m wide D.P. road

Parking details:	**Number and area of basement:**	-
	Number and area of podia:	9,819.46 m2
	Total Parking area:	14,799.45 m2
	Area per car:	13.75 m2
	Area per car:	13.75 m2
	Number of 2-Wheelers as approved by competent authority:	1,736 Nos.
	Number of 4-Wheelers as approved by competent authority:	1,162 Nos.
	Public Transport:	-
	Width of all Internal roads (m):	6 m and 9 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: 1.5 km
	Category as per schedule of EIA Notification sheet	8 (a)
	Court cases pending if any	NA
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

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

PP informed that, the project under consideration is amendment/ expansion in EC residential project. PP further stated that, the total plot area of the project is 22790.00 Sq.mt having total construction area 130517.52 Sq.mt (FSI - 78,160.27 Sq. m. + NON FSI-52,357.25 Sq. m.) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Type A (4 Nos.) (A1 to A4)	St+7 Floors	23.25
Type B (2 Nos.) (B1 & B2)	St+7 Floors	23.25
Type C (4 Nos.) (C1 to C4)	St+7 Floors	23.25
Type D (D1 to D3)	Gr/St (pt) + Pod (pt)+1st to 21st Floors	68.45
Type D (D4)	St + Pod (pt)+1st to 36th Floors	114.55
Type V (6 Nos.) (V1 to V6)	St+16 Floors	51.30
Type H (4 Nos.) (H1 to H4)	Gr/St (pt)+Pod (pt) +1st to 20th Floors	65.55
Club House	Gr+ 2 Floors	12.65

It is noted that, Project has received Environmental clearance vide letter dated 5.02.2019.

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) Committee noted that, PP have circulated the revised CS, PP to revised the same online also.
2) PP to ensure that RG approved in earlier EC should not be disturbed.
3) PP to submit the copy of HRC NoC. Also PP to abide the all conditions laid in the CFO NOC issued time to time.
4) As proposed by PP the energy savings from Renewable energy shall be 12% of total energy.
5) PP to provide minimum 25% parking numbers with electric charging points.
6) The PP to get NOC from competent authority with reference to Thane creek flamingo sanctuary if the project site falls within 10 Km radius from the said sanctuary boundary. The planning authority to ensure fulfilment of this condition before granting CC.
7) PP to submit CER prescribed by MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project. The specific activities to be undertaken under CER to be carried out in consultation with Municipal Corporation or collector or Environment Department.

FINAL RECOMMENDATION

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

Agenda of 131th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 131 Day-2 **Meeting Date** March 6, 2020

Subject: Environment Clearance for Amendment /Expansion in EC of Residential Project "Vihang Valley" at village Owale Dist-Thane (W) by Vihang Infrastructure Pvt. Ltd.

Is a Violation Case: No

1.Name of Project	Vihang Infrastructure Pvt. Ltd.
2.Type of institution	Private
3.Name of Project Proponent	Vihang Infrastructure Pvt. Ltd.
4.Name of Consultant	Mahabal Enviro Engg. Pvt. Ltd.; Dr. D. A. Patil
5.Type of project	Residential Project
6.New project/expansion in existing project/modernization/diversification in existing project	Amendment/ Expansion in EC
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Environmental Clearance vide letter no. SEAC-2010/CR716/TC.2 dt. 25.05.2011; Revalidation in EC –154th SEIAA Minutes 0000000994 dt. 5.02.2019
8.Location of the project	Land bearing S. No. 69/1 (1/1, 1/2), 69/3A (3A/1, 3A/2), 69/4, 5 (5/1, 5/2), 6, 72(4B), 72(4C), 72(4D), 72(4E), 74/1/3A, 74/1/3B, 74/1/1B, 74/1/2B, 74/1/2A, 74/3 (3/1, 3/2), 74/5, 2B, 74/2A (2A/1, 2A/2), 74/4, 74/5, 75/1A, 75/1B, 75/2B, 75/2C, 77/1 (1/2, 1/3), 77/2, 77/3, 78/1B, 78/1D, 78/1E, 78/3A (3A/1, 3A/2), 78/4A, 78/4B, 78/3B (3B/1, 3B/2, 3B/3), 76 of village Owale, Dist.-Thane
9.Taluka	Thane
10.Village	Owale
Correspondence Name:	Mr. Yogesh Chandegala
Room Number:	-
Floor:	12th Floor
Building Name:	Dev Corpora
Road/Street Name:	Cadbury Junction, Eastern Express Highway
Locality:	Khopat
City:	Thane (W) 400601
11.Whether in Corporation / Municipal / other area	Thane Municipal Corporation (TMC)
12.IOD/IOA/Concession/Plan Approval Number	V. P. No. 2008/37/TMC/TDD/170 dt. 31/10/2013 ; V. P. No. 2008/37/TMC/TDD/3038/19 dt. 01/04/2019
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27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	The project site is accessible by 30 m & 40 m wide D.P. road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	Nil
30.Details of the demolition with disposal (If applicable)	Nil

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
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Dry season:	**Source of water**	TMC
	Fresh water (CMD):	810 KLD
	Recycled water - Flushing (CMD):	406 KLD
	Recycled water - Gardening (CMD):	43 KLD
	Swimming pool make up (Cum):	3 KLD
	Total Water Requirement (CMD) :	1,219 KLD
	Fire fighting - Underground water tank(CMD):	As per CFO NOC
	Fire fighting - Overhead water tank(CMD):	As per CFO NOC
	Excess treated water	675 KLD
Wet season:	**Source of water**	TMC + RWH
	Fresh water (CMD):	692 KLD+118 KLD
	Recycled water - Flushing (CMD):	406 KLD
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	1,219 KLD
	Fire fighting - Underground water tank(CMD):	As per CFO NOC
	Fire fighting - Overhead water tank(CMD):	As per CFO NOC
	Excess treated water	718 KLD
Details of Swimming pool (If any)	Provided as per norms	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	3-4 m
	Size and no of RWH tank(s) and Quantity:	RWH Tank of total capacity 240 KL
	Location of the RWH tank(s):	Ground
	Quantity of recharge pits:	7 recharge pits
	Size of recharge pits :	1.5 m X 1.5 m
	Budgetary allocation (Capital cost) :	Rs. 55 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 3 Lakh/ year
	Details of UGT tanks if any :	UG Tanks will be provided as per NBC norms
35.Storm water drainage	**Natural water drainage pattern:**	The slope of the area is North side
	Quantity of storm water:	6,574.25 m3/hr
	Size of SWD:	500 mm X 900 mm Wide
Sewage and Waste water	**Sewage generation in KLD:**	1,135 KLD
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	1,200 KLD
	Location & area of the STP:	Location: Ground ; Area: 600 m2
	Budgetary allocation (Capital cost):	Rs. 240 Lakhs
	Budgetary allocation (O & M cost):	Rs. 48 Lakhs/ year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction Debris: : 1900 m3
	Disposal of the construction waste debris:	The construction debris is utilized at project site for paving and land leveling.
Waste generation in the operation Phase:	**Dry waste:**	1,804 kg/day
	Wet waste:	2,705 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	11 kg/day
	Others if any:	-

Mode of Disposal of waste:	**Dry waste:**	Waste will be segregated at source. The recyclable waste will be handed over to the authorized vendor.
	Wet waste:	Biodegradable waste will be converted to compost using Mechanical Composting Unit.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Sludge after dewatering will be used as a manure for gardening
	Others if any:	-
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	250 m2
	Area for machinery:	110 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 110 Lakhs
	O & M cost:	Rs. 44 Lakhs/ year

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

42.Mode of Transportation of fuel to site	Not applicable

43.Green Belt Development	**Total RG area :**	RG Area Required: 8,674.97 m2; R.G. Area Provided: 8,676.15 m2
	No of trees to be cut :	Nil
	Number of trees to be planted :	Tress planted on site: 313 Nos.; Tress to be planted: 307 Nos.
	List of proposed native trees :	As mentioned below
	Timeline for completion of plantation :	Will be planted after completion of construction work

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	Alibizia lebback	Shirish	25	Shady tree, yellowish green Fragrant flowers
2	Mimosop elengi	Bakul	25	Shady tree, small white fragrant flowers
3	Cassia fistula	Golden Shower Tree	20	Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plants.
4	Azadirachta indica	Neem	25	Neem is fast growing tree, used in medicinal purpose.
5	Coco nucifera	Coconut	20	It is large palm growing tall, Coconut used in cooking as well as in soap and cosmetics.
6	Areca catechu	Suapri	17	Medium sized and palm tree
7	Plumeria alba	Chafa	25	Fragrant tree, insect attracting
8	Saraca indica	Sita Ashoka	20	As medicinal value, Bird and insect attractive.
9	Bauhinia purpurea	Apta	15	Small tree with small white flowers, Butterfly host plant
10	Anthocephalus cadamba	Kadamb	25	Shady, large tree, ball shaped flowers.
11	Eugenia jambolana	Jambhul	25	Medicinal properties
12	Lagerstroemia speciosa	Tamhan	20	State flower tree of Maharashtra Medium sized tree, beautiful purple flowers
13	Bombax ceiba	Katesavar	20	Large tree, red flowers.
14	Nyctanthes arbortristis	Parijatak	25	Small deciduous fast growing tree, beautiful 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):	10.5 MW
	During Operation phase (Demand load):	5.7 MW
	Transformer:	1 x 630 kVA
	DG set as Power back-up during operation phase:	6 Nos. with total capacity 1,925 kVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	No

48.Energy saving by non-conventional method:

- Solar street lights are proposed for common area such as open spaces, pathways, RG etc.
- Solar hot water will be provided

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total Energy Saving	>20 %

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. 94 Lakhs
	O & M cost:	Rs. 5 Lakhs/year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water spray for dust suppression	-	6
2	Site sanitation and Potable Water Supply to Labor	-	5
3	Environmental Monitoring	-	4
4	Health checkup & First Aid	-	3

5	Safety Personal Protective Equipment	-	8
6	Traffic Management	Sign Boards, Persons at entry exit and parking area	3
7	Safety nets	-	10
8	Safety Training to Workers	Twice in year, Safety Officer	3
9	Solid waste Management & site maintenance activity	-	6
10	Disinfection	-	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)	240	48	Continuous O & M
2	Solar System	94	5	Weekly
3	Rainwater harvesting	55	3	During rainy season (Cleaning of RWH tanks and Filtration chamber)
4	Solid Waste Composting plant	110	44	Continuous O & M
5	Landscape	81	8	Daily
6	Environmental Monitoring	-	4	As per the CPCB guidelines through MoEF Approved laboratories

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 by 30 m & 40 m wide D.P. road

Parking details:	**Number and area of basement:**	-
	Number and area of podia:	9,819.46 m2
	Total Parking area:	14,799.45 m2
	Area per car:	13.75 m2
	Area per car:	13.75 m2
	Number of 2-Wheelers as approved by competent authority:	1,736 Nos.
	Number of 4-Wheelers as approved by competent authority:	1,162 Nos.
	Public Transport:	-
	Width of all Internal roads (m):	6 m and 9 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: 1.5 km
	Category as per schedule of EIA Notification sheet	8 (a)
	Court cases pending if any	NA
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

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

PP informed that, the project under consideration is amendment/ expansion in EC residential project. PP further stated that, the total plot area of the project is 22790.00 Sq.mt having total construction area 130517.52 Sq.mt (FSI - 78,160.27 Sq. m. + NON FSI-52,357.25 Sq. m.) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Type A (4 Nos.) (A1 to A4)	St+7 Floors	23.25
Type B (2 Nos.) (B1 & B2)	St+7 Floors	23.25
Type C (4 Nos.) (C1 to C4)	St+7 Floors	23.25
Type D (D1 to D3)	Gr/St (pt) + Pod (pt)+1st to 21st Floors	68.45
Type D (D4)	St + Pod (pt)+1st to 36th Floors	114.55
Type V (6 Nos.) (V1 to V6)	St+16 Floors	51.30
Type H (4 Nos.) (H1 to H4)	Gr/St (pt)+Pod (pt) +1st to 20th Floors	65.55
Club House	Gr+ 2 Floors	12.65

It is noted that, Project has received Environmental clearance vide letter dated 5.02.2019.

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) Committee noted that, PP have circulated the revised CS, PP to revised the same online also.
2) PP to ensure that RG approved in earlier EC should not be disturbed.
3) PP to ensure that, STP to remains on ground.
4) PP to submit the copy of HRC NoC. Also PP to abide the all conditions laid in the CFO NOC issued time to time.
5) As proposed by PP the energy savings from Renewable energy shall be 12% of total energy.
6) PP to provide minimum 25% parking numbers with electric charging points.
7) The PP to get NOC from competent authority with reference to Thane creek flamingo sanctuary if the project site falls within 10 Km radius from the said sanctuary boundary. The planning authority to ensure fulfilment of this condition before granting CC.
8) PP to submit CER prescribed by MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project. The specific activities to be undertaken under CER to be carried out in consultation with Municipal Corporation or collector or Environment Department.

FINAL RECOMMENDATION

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

Agenda of 131th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 131 Day-2 **Meeting Date** March 6, 2020

Subject: Environment Clearance for Environmental Clearance (EC) for Redevelopment of Daginawala Mansion at Mahim (West), Mumbai 400 016.

Is a Violation Case: No

1.Name of Project	Redevelopment of Daginawala Mansion at Mahim (West), Mumbai 400 016.
2.Type of institution	Private
3.Name of Project Proponent	M/s. Reshma Construction (Dr. Akhtar Hasan Rizvi – C.A. to Owner)
4.Name of Consultant	M/s. ULTRA TECH
5.Type of project	Redevelopment 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	--
8.Location of the project	F.P. No. 546 of TPS III of Mahim Division, on Senapati Bapat Marg, Mahim (West), Mumbai 400016
9.Taluka	Mumbai
10.Village	Mahim
Correspondence Name:	M/s. Reshma Construction
Room Number:	--
Floor:	1st floor
Building Name:	Rizvi House
Road/Street Name:	Hill Road
Locality:	Bandra (W)
City:	Mumbai – 400050
11.Whether in Corporation / Municipal / other area	Municipal Corporation of Greater Mumbai (M.C.G.M.)
12.IOD/IOA/Concession/Plan Approval Number	Applied for IOD
	IOD/IOA/Concession/Plan Approval Number: --
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	Not applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Received MHADA NOC dt. 30.11.2017
15.Total Plot Area (sq. m.)	3,513.13 Sq.mt.
16.Deductions	0
17.Net Plot area	3,513.13 Sq. mt.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 14,181.90 Sq. mt. (Including Fungible Area)
	b) Non FSI area (sq. m.): 12,011.92 Sq. mt.
	c) Total BUA area (sq. m.): 26193.82
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval: 04-03-2020
19.Total ground coverage (m2)	1913.00 Sq. mt.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	54%
21.Estimated cost of the project	973996873

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Wing A & B	Ground + 1st to 5th Podium Parking floors + 6th to 16th Residential Floors + Fitness Centre	58.10 mt.
2	Wing C	Ground + 1st to 18th Residential Floor	56.90 mt.

23.Number of tenants and shops	Flats: 185 nos. Shops: 26 nos.
24.Number of expected residents / users	948 nos.
25.Tenant density per hectare	527/ 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)	18.30 mt. and 27.43 mt. wide Senapati Bapat Marg
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Minimum 7.5 mt.
29.Existing structure (s) if any	There are old chawls of G +1 floor currently present on site, which shall be demolished.
30.Details of the demolition with disposal (If applicable)	Demolition debris generated from the existing structures shall be partly reused on site for site development and filling purpose and remaining shall be recycled for manufacturing of paver blocks.

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	M.C.G.M.
	Fresh water (CMD):	81 KLD
	Recycled water - Flushing (CMD):	41 KLD
	Recycled water - Gardening (CMD):	2 KLD
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	124 KLD
	Fire fighting - Underground water tank(CMD):	300 KL
	Fire fighting - Overhead water tank(CMD):	75 KL
	Excess treated water	52 KLD
Wet season:	**Source of water**	M.C.G.M./ Partly by RWH
	Fresh water (CMD):	81 KLD
	Recycled water - Flushing (CMD):	41 KLD
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	122 KLD
	Fire fighting - Underground water tank(CMD):	300 KL
	Fire fighting - Overhead water tank(CMD):	75 KL
	Excess treated water	54 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	--	--	--	--	--	--	--	--	--

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	2.00 mt. below ground level
	Size and no of RWH tank(s) and Quantity:	2 nos. of RWH tanks of total capacity 88 KL
	Location of the RWH tank(s):	Underground
	Quantity of recharge pits:	Nil
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Rs. 14.80 Lacs
	Budgetary allocation (O & M cost) :	Rs. 0.55 Lacs/annum
	Details of UGT tanks if any :	Location of UG tanks: Underground
35.Storm water drainage	**Natural water drainage pattern:**	The storm water collected through the storm water drains of adequate capacity will be discharged into the external SWD
	Quantity of storm water:	0.08 m3/sec
	Size of SWD:	450 mm X 300 mm with slope of 1:400
Sewage and Waste water	**Sewage generation in KLD:**	104 KLD
	STP technology:	Moving Bed Bio Reactor (MBBR)
	Capacity of STP (CMD):	2 STPs of capacity 50 KL and 70 KL
	Location & area of the STP:	Underground
	Budgetary allocation (Capital cost):	Rs. 87.25 Lacs
	Budgetary allocation (O & M cost):	Rs. 17.23 Lacs/annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Excavation material shall be partly reused and remaining shall be disposed to authorized landfill site as per permission from M.C.G.M.
	Disposal of the construction waste debris:	Construction waste material shall be partly recycled and remaining shall be disposed to the authorized land fill site with permission of M.C.G.M.
Waste generation in the operation Phase:	**Dry waste:**	240 kg/day
	Wet waste:	160 kg/day
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	--
	Others if any:	Not Applicable

Mode of Disposal of waste:	**Dry waste:**	To Authorized recyclers
	Wet waste:	Treatment in OWC
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Use as manure
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	12 Sq. mt.
	Area for machinery:	12 Sq. mt.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 9.00 Lacs
	O & M cost:	Rs. 1.23 Lacs/annum

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	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	--	--	--	--	--	--

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	--	--	--	--

41.Source of Fuel	--
42.Mode of Transportation of fuel to site	--

43.Green Belt Development	**Total RG area :**	On ground: 351.31 Sq. mt.
	No of trees to be cut :	Trees to be cut: 17 Nos.
	Number of trees to be planted :	43 nos.
	List of proposed native trees :	As mentioned below
	Timeline for completion of plantation :	At the time of occupancy

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	Saraca indica	Sita Ashok	5	Shady evergreen tree
2	Plumeria rubra	Red Frangipani	10	Fragrant flowers are picked daily as religious offering
3	Bauhinia purpurea	Kanchan	6	Flowering plant, avenue tree, bird and attracting tree
4	Cassia fistula	Bahava	8	Flowering plant, avenue tree, bird and insect attracting tree
5	Caryota urens	Fishtail Palm	9	Shady evergreen tree, Rapid growing tree
6	Pongamia pinnata	Karanj	5	Large shady tree, Medicinal properties
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 :**	Brihanmumbai Electric Supply and Transport (BEST)
	During Construction Phase: (Demand Load)	150 KW
	DG set as Power back-up during construction phase	--
	During Operation phase (Connected load):	3252 KW
	During Operation phase (Demand load):	646 KW
	Transformer:	--
	DG set as Power back-up during operation phase:	Provision of alternate meter from separate sub-station.
	Fuel used:	--
	Details of high tension line passing through the plot if any:	--

48.Energy saving by non-conventional method:

Energy saving measures:
Provision of LED Tubes and Lamps
Provision of energy efficient 5 – star rated invertor split AC, High COP
Provision of pumps and motors with premium efficiency of 80%
Provision of energy efficient lifts with VVVF lift drive

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Overall energy saving	20.69%
2	Saving due to renewable energy	5%

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Sewage	--	STP
Solid waste	--	Organic Waste Convertor

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 25.00 Lacs
	O & M cost:	Rs. 1.50 Lacs/annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water for Dust Suppression	0.72
2	Air Environment	Air and Noise Monitoring: On site Sensors	2.50

3	Air Environment	Air and Noise Monitoring: By outside MoEF & CC Approved Laboratory	0.22
4	Water Environment	Drinking water analysis	0.03
5	Land Environment	Site Sanitation	1.00
6	Health & Hygiene	Disinfection- Pest Control	1.20
7	Health & Hygiene	Health Check-up of workers	2.70

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	AIR & NOISE ENVIRONMENT – Cost for Ambient Air quality & Noise Monitoring	On site sensors	No set up cost is involved as already considered Construction Phase	0.50
2	AIR & NOISE ENVIRONMENT – Cost for Ambient Air quality & Noise Monitoring	By outside MoEF & CC Approved Laboratory	No set up cost is involved	0.22
3	AIR & NOISE ENVIRONMENT - Cost for Plantation	351.31 Sq. mt. of green area	1.93	1.20
4	WATER ENVIRONMENT – Cost for Waste water treatment	Cost for sewage Treatment Plants	51.25	15.17
5	WATER ENVIRONMENT - Cost for water & waste water Monitoring	On site sensors	36.00	2.00
6	WATER ENVIRONMENT - Cost for water & waste water Monitoring	By outside MoEF & CC Approved Laboratory	No set up cost is involved	0.05
7	WATER ENVIRONMENT - Water Conservation (Cost for Rain Water Harvesting System & Monitoring)	Cost for RWH Tanks	8.80	0.44
8	WATER ENVIRONMENT - Water Conservation (Cost for Rain Water Harvesting System & Monitoring)	Cost for treatment unit for rain water tanks	6.00	0.02
9	WATER ENVIRONMENT - Water Conservation (Cost for Rain Water Harvesting System & Monitoring)	By outside MoEF & CC Approved Laboratory	No set up cost is involved	0.09

10	LAND ENVIRONMENT – (Cost for Solid Waste Management)	Cost for Treatment of biodegradable garbage in OWC	9.00	1.15
11	LAND ENVIRONMENT – (Cost for Solid Waste Management)	Cost for Manure Monitoring	No set up cost is involved	0.08
12	ENERGY CONSERVATION - Use of renewable energy	Solar system	25.00	1.50

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 entry and exits
Parking details:	**Number and area of basement:**	--
	Number and area of podia:	Wing A and B: 5 Podia ; Wing C: 1 Parking floor
	Total Parking area:	7200.00 Sq. mt.
	Area per car:	--
	Area per car:	--
	Number of 2-Wheelers as approved by competent authority:	28 Nos.
	Number of 4-Wheelers as approved by competent authority:	144 Nos.
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	Minimum 6.00 mt.
	CRZ/ RRZ clearance obtain, if any:	Not Applicable

	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Thane creek Flamingo Sanctuary: Approx. 9.60 Km
	Category as per schedule of EIA Notification sheet	8 a (B2)
	Court cases pending if any	--
	Other Relevant Informations	--
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Representative of PP was present during the meeting along with environmental consultant. M/s. Ultra-Tech.

PP informed that, the project under consideration is new redevelopment project. PP further stated that, the total plot area of the project is 3,513.13 Sq.mt having total construction area 26,193.82 Sq.mt (FSI – 14,181.90 Sq. m. + NON FSI- 12,011.92 Sq. m.) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Wing A & B	Ground + 1st to 5th Podium Parking floors + 6th to 16th Residential Floors	58.10 mt
Wing C	Ground + 1st Parking floor + 2nd to 16th Residential Floors	54.40 mt.

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) As agreed by PP, demolition waste, and concrete debris can be recycled for making paver blocks and use those to the extent possible, in the project itself.
2) Committee noted that around 50% waste water is proposed to be disposed of in the sewer. PP to use maximum treated waste water so as to reduce disposal to 35%.
3) As agreed & proposed by PP, PP to provide solar energy saving to minimum 5.12 %.
4) PP to submit STP drawing with name of developer & design consultant.
5) PP to raise RG up to 3 feet of soil with chain link fencing to avoid parking on RG.
6) PP to provide minimum 25% parking numbers with electric charging points.
7) PP to submit the CFO NoC.
8) PP to raise RG upto 3 feet soil with chain link fencing to avoid parking on RG.
9) The PP to get NOC from competent authority with reference to Thane creek flamingo sanctuary if the project site falls within 10 Km radius from the said sanctuary boundary. The planning authority to ensure fulfilment of this condition before granting CC.
10) PP to submit CER prescribed by MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project. The specific activities to be undertaken under CER to be carried out in consultation with Municipal Corporation or collector or Environment Department.

FINAL RECOMMENDATION

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

Agenda of 131th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 131 Day-2 **Meeting Date** March 6, 2020

Subject: Environment Clearance for Amendment /Expansion in EC for Residential Project

Is a Violation Case: No

1.Name of Project	Vihang Enterprises
2.Type of institution	Private
3.Name of Project Proponent	Vihang Enterprises (formerly known as Yash Enterprises), Mr. Yogesh Chandegala
4.Name of Consultant	Mahabal Enviro Engg. Pvt. Ltd., Dr. D. A. Patil
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	Amendment/ Expansion in EC
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Obtained Environmental Clearance vide letter no. SEAC-2010/CR651/TC.2 dated 13th June 2011. Amendment in EC letter no. SEAC -2010/CR.651/TC-2 dated 7th July 2011. Revalidation in EC –154th SEIAA meetings of minutes : SEIAA Minutes 0000000995 Not applicable
8.Location of the project	S. no. Land bearing Old S. No. 194/1, 194/3, 194/4 (194/4/1,194/4/2,194/4/3), 194/8 (194/8/1, 194/8/2, 194/8/3), 194/10 (194/10/1, 194/10/2, 194/10/3) & 194/11(194/11/1,194/11/2), 194/13(pt). (New Survey No. 92/1, 92/3,92/4/1,92/4/2, 92/4/3, 92/8/1, 92/8/2,92/8/3, 92/10/1,92/10/2,92/10/3, 92/11/1, 92/11/2, 92/13(pt)), of village Bhayanderpada, Dist.: Thane State – Maharashtra
9.Taluka	Thane
10.Village	Bhayanderpada
Correspondence Name:	Mr. Yogesh Chandegala
Room Number:	-
Floor:	12th Floor
Building Name:	Dev Corpora
Road/Street Name:	Cadbury Junction, Eastern Express Highway
Locality:	Khopat
City:	Thane (W) 400601
11.Whether in Corporation / Municipal / other area	Thane Municipal Corporation (TMC)
12.IOD/IOA/Concession/Plan Approval Number	Plan is approved by TMC
	IOD/IOA/Concession/Plan Approval Number: 1) V. P. No. S06/0025/08/TMC/TDD/0338/11 Dated 19/01/11 , 2) TMC/TD-DP /TPS /1293/14 Dated 04/12/2014 3) V. P. No. S06/0025/08/TMC/TDD/3058/19 Dated 30/04/19
	Approved Built-up Area: 20902.35
13.Note on the initiated work (If applicable)	Yes construction Work is in progress as per EC received. AREA CONSTRUCTED AS ON DATE. Total Construction Area : 26,926.27 m2 F.S.I. Area : 18,279.98 m2 Non Area: 8,646.29 m2
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	1) V. P. No. S06/0025/08/TMC/TDD/0338/11 Dated 19/01/11, 2) TMC/TD-DP /TPS /1293/14 Dated 04/12/2014 3) V. P. No. S06/0025/08/TMC/TDD/3058/19 Dated 30/04/19
15.Total Plot Area (sq. m.)	20895.95
16.Deductions	10784.39
17.Net Plot area	10,111.56
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 26,985.96
	b) Non FSI area (sq. m.): 15,049.44
	c) Total BUA area (sq. m.): 42035.40
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 20,902.35
	Approved Non FSI area (sq. m.): 10075.52
	Date of Approval: 30-04-2019
19.Total ground coverage (m2)	3572.23
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	30 %

21.Estimated cost of the project	2000000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Type A1 (Wing 1)	Gr(pt)/St+1st to 16th Floor	49.60 m
2	Type A1 (Wing 2)	Gr(pt)/St+ Upper Stilt +1st to 17th Floor	52.50 m
3	Type A2 (Wing 3)	Gr/St+1st to 17th Floor	52.50 m
4	Type A2 (Wing 4)	LG+UG+Gr/St+1st to 17th Floor	52.50 m
5	Type B3	St + 1 st to 17th& 18th (pt) Floor	55.25 m
6	Type B1	LG+UG+St+1st to 7th Floor	26.70 m
7	Type C1	LG+UG+St+1st to 7th Floor	26.70 m
8	Type B2 (New)	St + 1st to 7th Floor	23.65 m
9	Type C2 (New)	St + 1st to 7th Floor	23.65 m
10	Type D1	B+ St+ Service Floor + 1st to 19th Floor	66.55 m
11	Club House	G + 1 Floor	7.65 m
12	Parking Tower	22 Levels	40.50 m

23.Number of tenants and shops	Flats :561 Nos Commercial Area : 830.91 m2
24.Number of expected residents / users	2888 Nos.
25.Tenant density per hectare	267/ha
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	20 m wide and 30 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	6 m
29.Existing structure (s) if any	-
30.Details of the demolition with disposal (If applicable)	-

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	TMC
	Fresh water (CMD):	255 KLD
	Recycled water - Flushing (CMD):	128 KLD
	Recycled water - Gardening (CMD):	15 KLD
	Swimming pool make up (Cum):	3 KLD
	Total Water Requirement (CMD) :	385 KLD
	Fire fighting - Underground water tank(CMD):	As per NBC Norms
	Fire fighting - Overhead water tank(CMD):	As per NBC Norms
	Excess treated water	211 KLD
Wet season:	**Source of water**	TMC
	Fresh water (CMD):	255 KLD
	Recycled water - Flushing (CMD):	128 KLD
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	385 KLD
	Fire fighting - Underground water tank(CMD):	As per NBC Norms
	Fire fighting - Overhead water tank(CMD):	As per NBC Norms
	Excess treated water	226 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:**	3-4 m
	Size and no of RWH tank(s) and Quantity:	RWH Tanks with total 90 KL capacity
	Location of the RWH tank(s):	Underground
	Quantity of recharge pits:	8 Recharge pits are provided
	Size of recharge pits :	2 x 2 x 2 x m
	Budgetary allocation (Capital cost) :	Rs. 21 Lakhs
	Budgetary allocation (O & M cost) :	Rs.1 Lakhs/ year
	Details of UGT tanks if any :	UG Tanks will be provided as per NBC norms
35.Storm water drainage	**Natural water drainage pattern:**	The slope of the area is East side
	Quantity of storm water:	2329.06 m3/hr
	Size of SWD:	550 mm X 650 mm Wide
Sewage and Waste water	**Sewage generation in KLD:**	357 KLD
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	400 KLD
	Location & area of the STP:	Ground
	Budgetary allocation (Capital cost):	Rs.88 Lakhs
	Budgetary allocation (O & M cost):	Rs. 16 Lakhs/ year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction Debris: : 1221 m3
	Disposal of the construction waste debris:	The construction debris is utilized at project site for paving and landleveling
Waste generation in the operation Phase:	**Dry waste:**	562 Kg/d
	Wet waste:	842 Kg/d
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	4 KLD
	Others if any:	-

Mode of Disposal of waste:	**Dry waste:**	Waste will be segregated at source. The recyclable waste will behanded over to the authorized vendor.
	Wet waste:	Biodegradable waste will be converted to compost using Organic waste converter.
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Sludge is used as manure for gardening
	Others if any:	-
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	70 m2
	Area for machinery:	30 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 36 Lakhs
	O & M cost:	Rs. 14 Lakhs/ 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):	-
Capacity of the ETP:	-
Amount of treated effluent recycled :	-
Amount of water send to the CETP:	-
Membership of CETP (if require):	-
Note on ETP technology to be used	-
Disposal of the ETP sludge	-

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

42.Mode of Transportation of fuel to site	Not applicable

43.Green Belt Development	**Total RG area :**	RG Area Required : 2973.99m2 R.G. Area Provided : 2974.18 m2
	No of trees to be cut :	0 Nos
	Number of trees to be planted :	220 Nos. (120 trees planted on site till date additional Trees to be planted :100 Nos.)
	List of proposed native trees :	As mentioned below
	Timeline for completion of plantation :	Will be planted after completion of construction work

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	AlibiziaLebback	Shirish	10	Shady tree, yellowish green fragrant flowers.
2	Cassia fistula	Golden shower tree	23	Medium sized deciduous tree.Beautiful yellow flowers, Butterflyhost Plants .
3	Azadirachtaindica	Neem tree	12	tree, used inmedicinal purpose
4	Coco nucifera	Coconut Tree	16	It is large palm growing tall, Coconut used in cooking as well asin soap and cosmetics.
5	Areca Catechus	Supari	25	Medium sized and palm tree
6	Plumeria alba	Chapha	14	Fragrant tree, insect attracting
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	200 kVA
	DG set as Power back-up during construction phase	200 kVA
	During Operation phase (Connected load):	3.6 MW
	During Operation phase (Demand load):	1.9 MW
	Transformer:	1 TRANSFORMER=630V
	DG set as Power back-up during operation phase:	1 DG PROPOSED =200 kVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	No

48.Energy saving by non-conventional method:

- Solar street lights are proposed for common area such as open spaces, pathways, RG etc.
- Solar hot water will be provided

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Energy saving using solar hot water and energy efficient lighting	>20%

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. 30 lakh
	O & M cost:	Rs. 2 Lakh/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	Water spray for dust suppression	-	5.0
2	Site sanitation and Potable Water Supply to Labor	-	6.0
3	Environmental Monitoring	-	2.0
4	Health checkup & First Aid	-	2.0

5	Safety Personal Protective Equipment	-	8.0
6	Traffic Management	Sign Boards, Persons at entry exit and parking area	2.5
7	Safety nets	-	2.0
8	Safety Training to Workers	Twice in year, safety officer	6.0
9	Solid waste Management & site maintenance activity	-	3.0
10	Disinfection	-	1.5

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP (Tertiary)	88	16	Continuous O & M
2	Solar System	30	2	Weekly
3	Rainwater harvesting	21	1	During rainy season (Cleaning of RWH tanks and Filtration chamber)
4	Solid Waste Composting plant	36	14	Continuous O & M
5	Landscape	30	3	Daily
6	Environmental Monitoring	-	4	As per the CPCB guidelines through MoEF Approved laboratories

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 Area : 1248.63 m2
	Number and area of podia:	no podium
	Total Parking area:	Basement area parking : 483.55 m2 Stilt parking area : 4570.53 m2 Tower parking area : 182.72 m2 Open parking area : 1173.63 m2 Total Parking area : 6410.43 m2
	Area per car:	29.8 m2
	Area per car:	29.8 m2
	Number of 2-Wheelers as approved by competent authority:	603 Nos.
	Number of 4-Wheelers as approved by competent authority:	403 Nos.
	Public Transport:	-
	Width of all Internal roads (m):	6 m and 9 m
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Project site is located at 0.5 km distance from Sanjay Gandhi National Park.
	Category as per schedule of EIA Notification sheet	8 (a)
	Court cases pending if any	No
	Other Relevant Informations	Not applicable
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

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

PP informed that, the project under consideration is amendment / expansion in housing project. PP further stated that, the total plot area of the project is 20895.95 Sq.mt having total construction area 42035.40 Sq.mt (FSI - 26,985.96 Sq. m. + NON FSI- 15,049.44 Sq. m.) and the building configuration is as follows-

Building Name & number	Number of floors	Height (Mtrs)
Type A1 (Wing 1)	Gr(pt)/St+1st to 16th Floor	49.60 m
Type A1 (Wing 2)	Gr(pt)/St+ Upper Stilt +1st to 17th Floor	52.50 m
Type A2 (Wing 3)	Gr/St+1st to 17th Floor	52.50 m
Type A2 (Wing 4)	LG+UG+Gr/St+1st to 17th Floor	52.50 m
Type B3	St + 1 st to 17th& 18th (pt) Floor	55.25 m
Type B1	LG+UG+St+1st to 7th Floor	26.70 m
Type C1	LG+UG+St+1st to 7th Floor	26.70 m
Type B2 (New)	St + 1st to 7th Floor	23.65 m
Type C2 (New)	St + 1st to 7th Floor	23.65 m
Type D1	B+ St+ Service Floor + 1st to 19th Floor	66.55 m
Club House	G + 1 Floor	7.65
Parking Tower	22 Levels	40.50 m

It is noted that, Project has received Environmental clearance vide letter dated 7th July 2011.

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 the fire CFO NoC.
2) As agreed, PP to ensure that STP should be on ground.
3) PP to ensure that, as proposed RG to be maintained on mother Earth.
4) Plot area on the south side of the plot to be maintained as green Zone.
5) PP to provide minimum 25% parking numbers with electric charging points.
6) As proposed, PP to ensure that energy savings from Renewable sources should be 12%.
7) The PP to get NOC from competent authority with reference to Sanjay Gandhi national park SGNP) & Thane creek flamingo sanctuary if the project site falls within eco sensitive zone of SGNP & 10 Km radius from sanctuary boundary of Thane Creek Flamingo Sanctuary respectively , if applicable. The planning authorities to ensure fulfilment of this condition before granting CC.
8) PP to submit CER prescribed by MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project. The specific activities to be undertaken under CER to be carried out in consultation with Municipal Corporation or collector or Environment Department.

FINAL RECOMMENDATION

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

Agenda of 131th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 131 Day-2 **Meeting Date** March 6, 2020

Subject: Environment Clearance for Proposed Slum Rehabiltation Scheme on Plot Bearing C.T.S No 886(pt) of village Kandivali, Link Road, Kandivali (west), Mumbai - 67

Is a Violation Case: No

1.Name of Project	Proposed S.R. Scheme on plot bearing C.T.S No.886(pt) of village Kandivali, Link Road, Kandivali (West), Mumbai-67.
2.Type of institution	Private
3.Name of Project Proponent	M/s Bombay Slum Redevelopment Corporation Limited
4.Name of Consultant	Enviro Analyst and Engineers Pvt Ltd
5.Type of project	SRA scheme
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in Existing Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Plot bearing C.T.S No.886 (pt) of village Kandivali, Link Road, Kandivali (West), Mumbai-67.
9.Taluka	Borivali
10.Village	Kandivali
Correspondence Name:	M/s Bombay Slum Redevelopment Corporation Limited
Room Number:	605
Floor:	sixth floor
Building Name:	Trade Centre
Road/Street Name:	Bandra Kurla Complex
Locality:	Bandra East
City:	Mumbai
11.Whether in Corporation / Municipal / other area	Municipal Corporation of Greater Mumbai
12.IOD/IOA/Concession/Plan Approval Number	SRA/ENG/3167/RS/STGL/AP Dated- 05 Feb 2016
	IOD/IOA/Concession/Plan Approval Number: SRA/ENG/2972/RS/STGL/AP Dated- 27 Oct 2015
	Approved Built-up Area: 17969.22
13.Note on the initiated work (If applicable)	Sale Building : Ground + 11 Upper floors , Rehab Building : Ground + 20 Upper floors, Construction Area initiated : 15963.36 sq. mtrs.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	LOI under no. SRA/ENG/2729/RS/STGL/LOI
15.Total Plot Area (sq. m.)	4043.25
16.Deductions	1994.73
17.Net Plot area	2048.52
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 15172.64
	b) Non FSI area (sq. m.): 8382.42
	c) Total BUA area (sq. m.): 23555.06
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 11668.33
	Approved Non FSI area (sq. m.): 6300.89
	Date of Approval: 01-01-1900
19.Total ground coverage (m2)	1104.00
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	53.89
21.Estimated cost of the project	890000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Sale Building	Ground Floor + 23 Floors	69.95
2	Rehab Building	Ground Floor + 22 Floors	69.90

23.Number of tenants and shops	275
24.Number of expected residents / users	1221
25.Tenant density per hectare	700
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	36.60 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	Turning radius as per requirement
29.Existing structure (s) if any	Sale Building : Ground + 11 Upper floors , Rehab Building : Ground + 20 Upper floors , Construction Area initiated : 15963.36 sq. mtrs.
30.Details of the demolition with disposal (If applicable)	Slums (147 nos.) already demolished and demolition waste disposed as per SWM NOC

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	MCGM/STP
	Fresh water (CMD):	110
	Recycled water - Flushing (CMD):	55
	Recycled water - Gardening (CMD):	8
	Swimming pool make up (Cum):	N.A
	Total Water Requirement (CMD) :	173
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	25
	Excess treated water	94
Wet season:	**Source of water**	MCGM/STP
	Fresh water (CMD):	110
	Recycled water - Flushing (CMD):	55
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	N.A
	Total Water Requirement (CMD) :	173
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	25
	Excess treated water	102
Details of Swimming pool (If any)	N.A	

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:**	2.3m Below Ground Level
	Size and no of RWH tank(s) and Quantity:	Nos Provide : 1, Capacity 75 cum
	Location of the RWH tank(s):	Below Ground
	Quantity of recharge pits:	Not Applicable
	Size of recharge pits :	Not Applicable
	Budgetary allocation (Capital cost) :	10,00,000
	Budgetary allocation (O & M cost) :	1,00,000
	Details of UGT tanks if any :	N.A
35.Storm water drainage	**Natural water drainage pattern:**	West to East
	Quantity of storm water:	0.10 m3/sec
	Size of SWD:	0.45 m X 0.50 m
Sewage and Waste water	**Sewage generation in KLD:**	149
	STP technology:	MBBR
	Capacity of STP (CMD):	2 STP of total capacity of 165 KLD
	Location & area of the STP:	Near Sale Building
	Budgetary allocation (Capital cost):	40,00,000
	Budgetary allocation (O & M cost):	6,00,000
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	660
	Disposal of the construction waste debris:	As per applicable laws
Waste generation in the operation Phase:	**Dry waste:**	260
	Wet waste:	400
	Hazardous waste:	N.A
	Biomedical waste (If applicable):	N.A
	STP Sludge (Dry sludge):	8
	Others if any:	N.A

Mode of Disposal of waste:	**Dry waste:**	To be hand over to local recyclers for recycling
	Wet waste:	To be processed in OWC. Manure obtained shall be used for landscaping/ Gardening. Excess manure should be sold to nearby end users.
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Applicable
	STP Sludge (Dry sludge):	To be used as manure
	Others if any:	E waste shall be handed over to MPCB authorized dealers
Area requirement:	**Location(s):**	Near Rehab building
	Area for the storage of waste & other material:	40
	Area for machinery:	5
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	10
	O & M cost:	2.5

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 :**	166.60
	No of trees to be cut :	2
	Number of trees to be planted :	28
	List of proposed native trees :	Mangifera indica, Azadirachta Indica, Manilkara zapota, Polyalthia longifolia, Ficus Bengalensis, Plumeria alba
	Timeline for completion of plantation :	By the End of Construction Phase

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Mangifera indica	Mango	2	Evergreen , Shade throughout the year
2	Azadirachta Indica	Neem	6	Medicinal Tree
3	Manilkara zapota	Chickoo	2	Fruiting Tree
4	Polyalthia longifolia	False Ashoka	12	Ornamental Tree
5	Ficus Bengalensis	Pimpal	3	Religious & Ornamental Tree
6	Plumeria alba	Chafa	3	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	N.A	N.A	N.A

47.Energy

Power requirement:	**Source of power supply :**	Adani Electricity
	During Construction Phase: (Demand Load)	45 KW
	DG set as Power back-up during construction phase	25 kVA
	During Operation phase (Connected load):	12002 KW
	During Operation phase (Demand load):	1335 KW
	Transformer:	1335 KW
	DG set as Power back-up during operation phase:	200 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	N.A

48.Energy saving by non-conventional method:

LED, VFD Drives, High Efficiency Equipments

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total % Savings	For Rehab - 20% & For Sale - 18%

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:**	30,00,000
	O & M cost:	2,00,000

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water Sprinkling, Green Belt Development	2
2	EHS	Site Sanitation, Disinfection + Health Checkup	3
3	Environmental	Green belt Development	1.5
4	Water	Water supply to septic tank	2

5	Noise	Barricade of Site	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	10	1
2	Solid Waste Management	OWC	10	2.5
3	Wastewater Management	STP	40	6
4	Energy Savings	Solar PV and Hot water & LED	30	2
5	Green Belt	Landscaping	5	0.5

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	N.A
Parking details:	**Number and area of basement:**	Not Applicable
	Number and area of podia:	Not Applicable
	Total Parking area:	259.89
	Area per car:	2.04 sq.m
	Area per car:	2.04 sq.m
	Number of 2-Wheelers as approved by competent authority:	Not Applicable
	Number of 4-Wheelers as approved by competent authority:	215
	Public Transport:	N.A
	Width of all Internal roads (m):	6

	CRZ/ RRZ clearance obtain, if any:	N.A
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	N.A
	Category as per schedule of EIA Notification sheet	N.A
	Court cases pending if any	N.A
	Other Relevant Informations	N.A
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

PP was absent; hence the project is deferred.

DECISION OF SEAC

PP was absent; hence the project is deferred.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

Agenda of 131th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 131 Day-2 **Meeting Date** March 6, 2020

Subject: Environment Clearance for proposed redevelopment of "Chandralok Dahisar CHS Ltd." on plot bearing S. No. 260, H. No. 2, Old C.T.S. No. 918, 918/1, 918/2, 918/3, 918/4, 918/5, 918/6, New C. T. S. No. 918A, 918 B, & 918 C at village Dahisar, Tal. Borivali & Dist. Mumbai Suburban, Mumbai by Pest Control (India) Pvt. Ltd.

Is a Violation Case: No

1.Name of Project	PEST CONTROL (INDIA) PVT. LTD
2.Type of institution	Private
3.Name of Project Proponent	PEST CONTROL (INDIA) PVT. LTD
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	Not applicable
8.Location of the project	S. No. 260, H. No. 2, Old C.T.S. No. 918, 918/1, 918/2, 918/3, 918/4, 918/5, 918/6, New C. T. S. No. 918 A, 918 B, & 918 C at village Dahisar, Tal. Borivali & Dist. Mumbai Suburban, Mumbai.
9.Taluka	Borivali
10.Village	Dahisar
Correspondence Name:	Mr. Devesh Birodkar
Room Number:	-
Floor:	5th Floor
Building Name:	Jagdamba House
Road/Street Name:	-
Locality:	Peru Baug, Goregaon (E)
City:	Mumbai 400063
11.Whether in Corporation / Municipal / other area	Municipal Corporation of Greater Mumbai (MCGM)
12.IOD/IOA/Concession/Plan Approval Number	Plan approved by MCGM vide Letter No. CHE/7848/BP (WS)/AR dt. 07.06.2018
	IOD/IOA/Concession/Plan Approval Number: Plan approved by MCGM vide Letter No. CHE/7848/BP (WS)/AR dt. 07.06.2018
	Approved Built-up Area: 19269.4
13.Note on the initiated work (If applicable)	No work started
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Plan approved by MCGM vide Letter No. CHE/7848/BP (WS)/AR dt. 07.06.2018
15.Total Plot Area (sq. m.)	4,476.80 m2
16.Deductions	993.60 m2
17.Net Plot area	3,483.20 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 13,968.29 m2
	b) Non FSI area (sq. m.): 12,289.48 m2
	c) Total BUA area (sq. m.): 26257.77
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 6,214.43 m2
	Approved Non FSI area (sq. m.): 13,054.97 m2
	Date of Approval: 07-06-2018
19.Total ground coverage (m2)	2,162.60 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	48%
21.Estimated cost of the project	450000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building No. 1	G/St. + 4 P + 1st to 17 Floors	69.80 m

23.Number of tenants and shops	Flats: 187 Nos. Shops: 16 Nos.
24.Number of expected residents / users	1,003 Nos.
25.Tenant density per hectare	425/ha
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	18.3 m wide Jaywant Sawant marg
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	2 Nos. of existing buildings (G+4/6)
30.Details of the demolition with disposal (If applicable)	Existing buildings was demolished. Demolition Quantity was disposed as per MCGM directions.

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	MCGM
	Fresh water (CMD):	85 KLD
	Recycled water - Flushing (CMD):	43 KLD
	Recycled water - Gardening (CMD):	6 KLD
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	129 KLD
	Fire fighting - Underground water tank(CMD):	As per CFO NOC
	Fire fighting - Overhead water tank(CMD):	As per CFO NOC
	Excess treated water	71 KLD
Wet season:	**Source of water**	MCGM + RWH
	Fresh water (CMD):	66 KLD + 19 KLD
	Recycled water - Flushing (CMD):	43 KLD
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	129 KLD
	Fire fighting - Underground water tank(CMD):	As per CFO NOC
	Fire fighting - Overhead water tank(CMD):	As per CFO NOC
	Excess treated water	77 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:**	3-4 m
	Size and no of RWH tank(s) and Quantity:	1 tank of total capacity 40 KL
	Location of the RWH tank(s):	Underground
	Quantity of recharge pits:	-
	Size of recharge pits :	-
	Budgetary allocation (Capital cost) :	Rs. 10 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 1 Lakh/year
	Details of UGT tanks if any :	Underground
35.Storm water drainage	**Natural water drainage pattern:**	The slope of the plot is towards North East side
	Quantity of storm water:	490.11 m3/hr
	Size of SWD:	500 mm x 700 mm
Sewage and Waste water	**Sewage generation in KLD:**	120 KLD
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	150 KLD
	Location & area of the STP:	Location: Ground and area: 75 m2
	Budgetary allocation (Capital cost):	Rs. 40 Lakhs
	Budgetary allocation (O & M cost):	Rs. 10 Lakhs/year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction debris: 850 m3
	Disposal of the construction waste debris:	The construction debris waste will be disposed as per Construction debris and demolition waste management Rule 2016
Waste generation in the operation Phase:	**Dry waste:**	192 kg/day
	Wet waste:	289 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	1 KLD
	Others if any:	Household E-waste

Mode of Disposal of waste:	**Dry waste:**	Dry waste will be handed over to the authorized vendor
	Wet waste:	Wet Waste will be composted in Mechanical composting unit.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Sludge after dewatering will be used as manure
	Others if any:	E-waste will be handed over to authorized recycler
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	50 m2
	Area for machinery:	20 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 12 Lakhs
	O & M cost:	Rs. 5 Lakhs/year

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	• RG Required: 696.64 m2 • RG Provided: 1,223.06 m2 (On Ground: 785.10 m2; On Podium: 437.96 m2)
	No of trees to be cut :	Existing tress on Site: 40 Nos., Tress to be cut: 14 Nos., Tress to be transplanted: 15 Nos.
	Number of trees to be planted :	37 Nos.
	List of proposed native trees :	As mentioned below
	Timeline for completion of plantation :	2-3 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	Lagerstroemia Speciosa	Tamhan	6	As medicinal value, Bird and insect attractive.
2	Mimusop Elengi	Bakul	8	Edible, mature fruit as medicinal value, Bird and insect attractive.
3	Delonix regia	Gulmohor	5	Flowering plant, Shady tree, ornamental tree
4	Saraca Indica	Sita Ashoka	7	Valued for its oil and insect repellent, having medicinal value.
5	Anthocephalus Cadamba	Kadamb	5	As medicinal value, Bird and insect attractive.
6	Polyalthia Longifolia	Ashok Tree	6	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)	100 kVA
	DG set as Power back-up during construction phase	100 kVA
	During Operation phase (Connected load):	2.0 MW
	During Operation phase (Demand load):	1.1 MW
	Transformer:	750 kVA
	DG set as Power back-up during operation phase:	230 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	Nil

48.Energy saving by non-conventional method:

- Solar Hot water to Residential Building,
- Solar Street lighting in landscape, Open area etc.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total energy savings	22.1%

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 15 lakh
	O & M cost:	Rs. 1.5 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	-	6
2	Site sanitation and Facility and its maintenance	-	3
3	Potable Water Supply to Labor	-	3

4	Safety Personal Protective Equipment	(Helmets, Safety Shoes, Safety Belt, Goggles, Hand Gloves etc.)	6
5	Safety nets	-	3
6	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)	4

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP (Tertiary)	Continuous O & M	40	10
2	Solar System	Weekly	15	1.5
3	Rainwater harvesting	During rainy season (Cleaning of RWH tanks and Filtration chamber)	10	1.0
4	Solid Waste Composting plant	Continuous O & M	12	5
5	Landscape	Daily	12	1.5
6	Environmental Monitoring	As per the CPCB guidelines through MoEF Approved laboratories	-	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:	Site is accessed by 18.30 m wide Jaywant Sawant Marg

Parking details:	**Number and area of basement:**	Not proposed
	Number and area of podia:	4 Podiums with total area 8,220 m2
	Total Parking area:	4,980 m2
	Area per car:	28.5 m2
	Area per car:	28.5 m2
	Number of 2-Wheelers as approved by competent authority:	64 Nos.
	Number of 4-Wheelers as approved by competent authority:	280 Nos.
	Public Transport:	NA
	Width of all Internal roads (m):	6.0 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park: 1.7 km approx (As per the ESZ notification of Sanjay Gandhi National Park (SGNP), vide no. S. O. 3645 (E) dated 05.12.2016, our project site is outside of ESZ i.e. (100 m).
	Category as per schedule of EIA Notification sheet	8 (a)
	Court cases pending if any	No
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

PP was absent; hence the project is deferred.

DECISION OF SEAC

PP was absent; hence the project is deferred.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

Agenda of 131th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 131 Day-2 **Meeting Date** March 6, 2020

Subject: Environment Clearance for amendment/Expansion in EC for proposed residential project "Tridhaatu kshitij" on property bearing F. P. No. 230 of T. P. S. III Mahim division, at Mogal lane, G/N ward, Mahim, Mumbai by TRIDHAATU CONSTRUCTIONS PVT. LTD.

Is a Violation Case: No

1.Name of Project	TRIDHAATU CONSTRUCTIONS PVT. LTD.
2.Type of institution	Private
3.Name of Project Proponent	TRIDHAATU CONSTRUCTIONS PVT. LTD.
4.Name of Consultant	Mahabal Enviro Engg. Pvt. Ltd.; Dr. D. A. Patil
5.Type of project	Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	Amendment/Expansion in Existing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Obtained EC vide letter No. SEIAA-EC-0000001434 dt. 26.03.2019
8.Location of the project	Property bearing F. P. No. 230 of T.P.S.III Mahim division, at Mogal lane, G/N ward, Mahim, Mumbai.
9.Taluka	Mumbai
10.Village	Mahim division
Correspondence Name:	Mrs. Poonam Ajmera
Room Number:	-
Floor:	5th floor
Building Name:	B - Wing, Shrikant Chambers
Road/Street Name:	Next to R. K. Studios, Sion Trombay Road
Locality:	Chembur (E)
City:	Mumbai - 400071.
11.Whether in Corporation / Municipal / other area	Municipal Corporation of Greater Mumbai (MCGM)
12.IOD/IOA/Concession/Plan Approval Number	Plan approved by MCGM vide No. CHE/CITY/1144/G/N/337(NEW) dt. 26.03.2019
	IOD/IOA/Concession/Plan Approval Number: Plan approved by MCGM vide No. CHE/CITY/1144/G/N/337(NEW) dt. 26.03.2019
	Approved Built-up Area: 29549.56
13.Note on the initiated work (If applicable)	As on today, we have constructed 17,318.32 m2 of area (FSI: 5,641.07 m2 + Non-FSI: 11,677.25 m2)
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Plan approved by MCGM vide No. CHE/CITY/1144/G/N/337(NEW) dt. 26.03.2019
15.Total Plot Area (sq. m.)	3,436.77 m2
16.Deductions	Nil
17.Net Plot area	3,436.77 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 11,119.74 m2
	b) Non FSI area (sq. m.): 18,429.82 m2
	c) Total BUA area (sq. m.): 29549.56
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 11,119.74 m2
	Approved Non FSI area (sq. m.): 18,429.82 m2
	Date of Approval: 26-03-2019
19.Total ground coverage (m2)	874.57 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	25.44 %
21.Estimated cost of the project	1550000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Bldg. A	3B + S + 1st to 33rd (pt) upper floors + 1 fire check floor	119.95 m
2	Bldg. B	3B + S + 1st to 30th upper floors + 1 fire check floor	109.90 m

23.Number of tenants and shops	Flats: 82 Nos.
24.Number of expected residents / users	492 Nos.
25.Tenant density per hectare	245/ Ha
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	12.2 m wide Mogal Lane (Chattrapati Shivaji Maharaj Marg)
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Min 9 m
29.Existing structure (s) if any	Not Applicable
30.Details of the demolition with disposal (If applicable)	Not Applicable

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	MCGM
	Fresh water (CMD):	44 KLD
	Recycled water - Flushing (CMD):	22 KLD
	Recycled water - Gardening (CMD):	4 KLD
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	66 KLD
	Fire fighting - Underground water tank(CMD):	As per CFO NOC
	Fire fighting - Overhead water tank(CMD):	As per CFO NOC
	Excess treated water	35 KLD
Wet season:	**Source of water**	MCGM + RWH
	Fresh water (CMD):	36 + 08 KLD
	Recycled water - Flushing (CMD):	22 KLD
	Recycled water - Gardening (CMD):	Nil
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	66 KLD
	Fire fighting - Underground water tank(CMD):	As per CFO NOC
	Fire fighting - Overhead water tank(CMD):	As per CFO NOC
	Excess treated water	39 KLD
Details of Swimming pool (If any)	Not proposed	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	3 – 4 m
	Size and no of RWH tank(s) and Quantity:	1 RWH tank with total capacity: 20 m3
	Location of the RWH tank(s):	Underground
	Quantity of recharge pits:	Not applicable
	Size of recharge pits :	Not applicable
	Budgetary allocation (Capital cost) :	Rs. 05 Lakh
	Budgetary allocation (O & M cost) :	Rs. 0.2 Lakh/year
	Details of UGT tanks if any :	3rd Basement (Below Ramp)
35.Storm water drainage	**Natural water drainage pattern:**	Towards East side of the plot
	Quantity of storm water:	381.33 m3/hr
	Size of SWD:	450 x 450 mm
Sewage and Waste water	**Sewage generation in KLD:**	62 KLD
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	1 STP of total 75 KLD capacity
	Location & area of the STP:	Location: 1st Basement and area provided: 65 m2
	Budgetary allocation (Capital cost):	Rs. 20 Lakh
	Budgetary allocation (O & M cost):	Rs. 05 Lakh/year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction debris: 450 m3
	Disposal of the construction waste debris:	Construction material will be handled as per the “Construction and Demolition Waste Management Rules 2016”
Waste generation in the operation Phase:	**Dry waste:**	98 kg/day
	Wet waste:	148 kg/day
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	0.6 KLD
	Others if any:	Household E-waste

Mode of Disposal of waste:	**Dry waste:**	Dry waste will be handed over to authorized recyclers
	Wet waste:	Wet waste will be composted using mechanical composting unit and will be used as manure for gardening.
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Sludge use as manure for gardening
	Others if any:	The E-waste shall be handed over to e-waste management vendor authorized by MPCB.
Area requirement:	**Location(s):**	On Ground
	Area for the storage of waste & other material:	Total area provided: 30 m2
	Area for machinery:	15 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 06 Lakh
	O & M cost:	Rs. 02 Lakh/year

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

42.Mode of Transportation of fuel to site	Not applicable

43.Green Belt Development	**Total RG area :**	RG area required: 515.52 m2 (15%) and RG area provided: 747.0 m2 (518 m2 on ground & 229 m2 on basement top)
	No of trees to be cut :	Trees on site: 45 Nos., Trees to be cut: 0 Nos.,
	Number of trees to be planted :	New trees to be planted: 40 Nos.
	List of proposed native trees :	As below
	Timeline for completion of plantation :	4-5 years

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Alstonia scholaris	Satvin	06	Shady, large evergreen tree, white fragrant flowers.
2	Areca catechu	Supari	06	It is used as an interior landscaping species. Insect pollinating tee.
3	Saraca asoka	Sita Ashok	08	Shady tree with red-yellow flowers.
4	Murraya exotica	Kunti	06	Small, evergreen tree, good for gardens
5	Nyctanthes arbor-tristis	Parijatak	10	Small deciduous fast growing tree, beautiful flowrers.
6	Lagerstroemia speciosa	Tamhan	04	One of the most strikingly showy of flowering trees, and a good shade tree.
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	BEST
	During Construction Phase: (Demand Load)	100 kW
	DG set as Power back-up during construction phase	125 kVA
	During Operation phase (Connected load):	2.1 MW
	During Operation phase (Demand load):	0.9 MW
	Transformer:	-
	DG set as Power back-up during operation phase:	1 x 750 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	No

48.Energy saving by non-conventional method:

• Solar street lights are proposed for common areas such as open spaces, pathways, RG etc.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total Energy saving	22.5

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 10 Lakh
	O & M cost:	Rs. 0.5 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	-	6.5
2	Site sanitation and Facility and its maintenance	Toilets, STP etc.	3.0
3	Potable Water Supply to Labour	-	2.5
4	Solid Waste Management & Site maintenance activity	-	1.5

5	Safety Personal Protective Equipment	Helmets, Safety Shoes, Safety Belt, Goggles, Hand Gloves etc.	8.5
6	Traffic Management	Sign Boards, Persons at entry exit and Parking area	1.0
7	Safety nets	-	6.5
8	Safety - Training to Workers (Twice in Year), Safety Officer	-	3.5
9	Environmental Monitoring	(As per the CPCB guidelines through MoEF Approved laboratories – Ambient Air-RSPM, PM2.5, SO2, NOx, CO), Noise: Leq day time and Night Time)	4.0

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP (Tertiary)	Continuous O & M	20.0	5.0
2	Solar System	Weekly	10.0	0.5
3	Rainwater harvesting	During rainy season (Cleaning of RWH tanks and Filtration chamber)	5.0	0.2
4	Solid Waste Composting plant	Continuous O & M	6.0	2.0
5	Landscape	Daily	7.0	1.0
6	Environmental Monitoring	As per the CPCB guidelines through MoEF Approved laboratories	-	4.0

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:	12.20 m wide Mogal Lane

Parking details:	**Number and area of basement:**	3 Basements having total area: 7,192.95 m2
	Number and area of podia:	Not proposed
	Total Parking area:	7,056.19 m2
	Area per car:	13.75 m2 (Big Car) and 10.35 m2 (Small Car)
	Area per car:	13.75 m2 (Big Car) and 10.35 m2 (Small Car)
	Number of 2-Wheelers as approved by competent authority:	40 Nos.
	Number of 4-Wheelers as approved by competent authority:	189 Nos.
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	9 m wide drive way
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	8 (a)
	Court cases pending if any	No
	Other Relevant Informations	-
	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 Engg. Pvt. Ltd.

PP informed that, the project under consideration is amendment/expansion in existing housing project. PP further stated that, the total plot area of the project is 29549.56 Sq.mt having total construction area 61748.78 Sq.mt (FSI - 11,119.74 Sq.mt + NON FSI- 18,429.82 Sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Bldg. A	3B + S + 1st to 33rd (pt) upper floors + 1 fire check floor	119.95 m
Bldg. B	3B + S + 1st to 30th upper floors + 1 fire check floor	109.90 m

It is noted that, Project has received Environmental clearance vide letter dated 26.03.2019.

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 above points.

Specific Conditions by SEAC:

1) PP to abide by the CFO NoC.
2) Committee noted that around 50% waste water is proposed to be disposed of in the sewer. PP to explore measures to use maximum treated waste water to reduce disposal to 35%.
3) PP to increase the solar energy saving to 5%.
4) The PP to get NOC from competent authority with reference to Thane creek flamingo sanctuary if the project site falls within 10 Km radius from the said sanctuary boundary. The planning authority to ensure fulfilment of this condition before granting CC.
5) PP to submit CER prescribed by MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project. The specific activities to be undertaken under CER to be carried out in consultation with Municipal Corporation or collector or Environment Department.

FINAL RECOMMENDATION

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