

## Agenda of 97th SEAC-2 Day-2 meeting held on 25th April, 2019

**SEAC Meeting number: 97th Day-2 Meeting Date April 25, 2019**

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

**Is a Violation Case:** No

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

## 22.Number of buildings & its configuration

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

<b>23.Number of tenants and shops</b>	Residential: 1500 nos. Shops: 11 nos. Total: 1511 nos.
<b>24.Number of expected residents / users</b>	7533 nos.
<b>25.Tenant density per hectare</b>	363 Tenants / hectore
<b>26.Height of the building(s)</b>	
<b>27.Right of way (Width of the road from the nearest fire station to the proposed building(s))</b>	18.00 m wide D.P road
<b>28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation</b>	Minimum 9.00 m
<b>29.Existing structure (s) if any</b>	Nil
<b>30.Details of the demolition with disposal (If applicable)</b>	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



<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	3.5 m to 3.7 m bgl
	<b>Size and no of RWH tank(s) and Quantity:</b>	9 nos. of tanks with total capacity of 384 cum (2days capacity)
	<b>Location of the RWH tank(s):</b>	Below ground level
	<b>Quantity of recharge pits:</b>	Nil
	<b>Size of recharge pits :</b>	Nil
	<b>Budgetary allocation (Capital cost) :</b>	Rs. 84 Lakhs
	<b>Budgetary allocation (O &amp; M cost) :</b>	Rs. 4.2 Lakhs/yr
	<b>Details of UGT tanks if any :</b>	Domestic water tank 681 cum Flushing water tank 404 cum Fire water Tank 75 cum
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	north to south
	<b>Quantity of storm water:</b>	0.54 cum/sec
	<b>Size of SWD:</b>	600 mm X 600 mm
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	946 KLD
	<b>STP technology:</b>	MBBR
	<b>Capacity of STP (CMD):</b>	2 nos. of STP with total capacity of 975 KLD
	<b>Location &amp; area of the STP:</b>	Below ground level
	<b>Budgetary allocation (Capital cost):</b>	Rs. 143 Lakhs
	<b>Budgetary allocation (O &amp; M cost):</b>	Rs. 36 Lakhs/yr
<b>36.Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	Recyclable waste will be generated like empty cement bags & cans, scrap metal etc. Debris & construction waste shall be generated.
	<b>Disposal of the construction waste debris:</b>	Recyclable waste like empty cement bags & empty paint cans shall be handed over to local vendors. Broken tiles shall be used for china mosaic of terrace. Scrap metals shall be sold to recyclers.
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	1500 kg/day
	<b>Wet waste:</b>	2252 kg/day
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	47 kg/day
	<b>Others if any:</b>	NA

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

### 37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	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
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42.Mode of Transportation of fuel to site		Not applicable		
<b>43.Green Belt Development</b>				
		<b>Total RG area :</b>	11197.35 sq.mt	
		<b>No of trees to be cut :</b>	-	
		<b>Number of trees to be planted :</b>	626 nos.	
		<b>List of proposed native trees :</b>	as given below	
		<b>Timeline for completion of plantation :</b>	at the end of construction phase	
<b>44.Number and list of trees species to be planted in the ground</b>				
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadirachata indica	Neem Tree	101	medicinal tree
2	Millingtonia hortensis	Indian Cork tree	94	flowering tree
3	Cordia sebestena	Scarlet cordia	68	flowering tree
4	Polyalthia longifolia	Mast tree	109	evergreen tree
5	Caryota mitis	Fishtail palm	50	shady tree
6	Roystonea regia	Royal Palm	93	shady tree
7	Michelia champaca	Sonchapha	66	evergreen tree
8	Nyctanthes arbortristis	Parijatak	45	flowering tree
<b>45.Total quantity of plants on ground</b>				
<b>46.Number and list of shrubs and bushes species to be planted in the podium RG:</b>				
Serial Number	Name	C/C Distance	Area m2	
1	NA	NA	NA	
<b>47.Energy</b>				

<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	100 kW
	<b>DG set as Power back-up during construction phase</b>	75 KVA
	<b>During Operation phase (Connected load):</b>	8730 kW
	<b>During Operation phase (Demand load):</b>	5238 kW
	<b>Transformer:</b>	-
	<b>DG set as Power back-up during operation phase:</b>	2 X 380 KVA & 1 X 125 KVA
	<b>Fuel used:</b>	HSD
	<b>Details of high tension line passing through the plot if any:</b>	NA

#### 48. Energy saving by non-conventional method:

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

#### 49. Detail calculations & % of saving:

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

#### 50. Details of pollution control Systems

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

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs.46 Lakh
	<b>O &amp; M cost:</b>	Rs.5.00 Lakh

#### 51. Environmental Management plan Budgetary Allocation

##### a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water Sprinkling, Green Belt Development, Covered storage area	4
2	Noise Environment	Noise Baricades and Green Belt Developments	3

3	Water Environment	Modular STP , Drainage with sedimentation tanks	3
4	Good Health Practices	Site Sanitation & Health Care	3
5	Environment Monitoring	Environment Monitoring	3

**b) Operation Phase (with Break-up):**

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Water Environment	RWH	84	4.2
2	Water Environment	STP	143	36
3	Solid waste management	OWC	16	4.02
4	Energy Savings	Solar	46	5
5	Land environment	Landscaping	15	2

**51.Storage of chemicals (inflammable/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**

	<b>Nos. of the junction to the main road &amp; design of confluence:</b>	The project site is accessible through the existing 18 m wide road
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<b>Parking details:</b>	<b>Number and area of basement:</b>	Nil
	<b>Number and area of podia:</b>	1138.77 sq.m
	<b>Total Parking area:</b>	13497.75 sq.m
	<b>Area per car:</b>	19 sq.m
	<b>Area per car:</b>	19 sq.m
	<b>Number of 2-Wheelers as approved by competent authority:</b>	nil
	<b>Number of 4-Wheelers as approved by competent authority:</b>	705 nos.
	<b>Public Transport:</b>	NA
	<b>Width of all Internal roads (m):</b>	minimum 6.00 m wide internal road
	<b>CRZ/ RRZ clearance obtain, if any:</b>	NA
	<b>Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries</b>	NA
	<b>Category as per schedule of EIA Notification sheet</b>	8 (a), B2
	<b>Court cases pending if any</b>	NA
	<b>Other Relevant Informations</b>	NA
	<b>Have you previously submitted Application online on MOEF Website.</b>	Yes
	<b>Date of online submission</b>	01-08-2018

### SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

<b>Air Quality &amp; Noise Level issues</b>	-
<b>Energy Management</b>	-
<b>Traffic circulation system and risk assessment</b>	-
<b>Landscape Plan</b>	-
<b>Disaster management system and risk assessment</b>	-
<b>Socioeconomic impact assessment</b>	-
<b>Environmental Management Plan</b>	-
<b>Any other issues related to environmental sustainability</b>	-
<b>Brief information of the project by SEAC</b>	

SEAC-AGENDA-0000000255

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

PP informed that, the project under consideration is proposed Expansion Residential Project. PP further stated that, the total plot area of the project is 42580.00 Sq.mt. having total construction area 121560.44 Sq.mt.(FSI - 81953.17 sq.mt +NON FSI- Total - 39719.21 sq.mt) and the building configuration is as follow-

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

PP stated that, Project has received Environmental clearance vide letter dated 21.02.2015.

It is noted that the project earlier considered in 92<sup>nd</sup> SEAC-2 Meeting held on 14-03-2019 & deferred with observations namely 1) the foundation constructed for 7 floors could not sustain proposed vertical expansion. So, accordingly, PP to revise the building configuration of these 4 under construction buildings & should be restricted as approved in earlier EC. Accordingly, PP to submit revised plan to local planning Authority 2) to upload the duly signed approved plans 3) to submit detail statement indicating building wise FSI, Non FSI as per accorded EC, construction done as on date and proposed expansion

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

## DECISION OF SEAC

**During meeting, PP requested time to submit his say on the proposal; Committee agreed for this, accordingly *the proposal is deferred and shall be considered only after the compliance of above observations.***

Specific Conditions by SEAC:

## FINAL RECOMMENDATION

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

SEAC-AGENDA-0000000255

## Agenda of 97th SEAC-2 Day-2 meeting held on 25th April, 2019

**SEAC Meeting number: 97th Day-2 Meeting Date April 25, 2019**

**Subject:** Environment Clearance for 'Ashford Royale' - Residential Development on plot bearing CTS no. 338, Bhandup Village road, bhandup (W), Mumbai 78 by Ashford Infotech Pvt. Ltd.

**Is a Violation Case:** No

<b>1.Name of Project</b>	Ms/. Ashford Infotech Pvt. Ltd.
<b>2.Type of institution</b>	Private
<b>3.Name of Project Proponent</b>	Mr. Parag Supekar, Ashford Infotech Pvt. Ltd.
<b>4.Name of Consultant</b>	Dr. D. A. Patil, Mahabal Enviro Engineers Pvt. Ltd.
<b>5.Type of project</b>	Township Project
<b>6.New project/expansion in existing project/modernization/diversification in existing project</b>	Residential Development Project - Revalidation of EC
<b>7.If expansion/diversification, whether environmental clearance has been obtained for existing project</b>	Obtained Environmental Clearance vide. letter No. SEAC2010/CR.30/TC2 dt. 17th October 2010 for the total construction area: 1,72,640 m2
<b>8.Location of the project</b>	At CTS No. 338, Bhandup village road, Bhandup (w), Mumbai 78
<b>9.Taluka</b>	Mumbai
<b>10.Village</b>	Bhandup
<b>Correspondence Name:</b>	Mr. Parag Supekar
<b>Room Number:</b>	-
<b>Floor:</b>	10
<b>Building Name:</b>	Ashford Center
<b>Road/Street Name:</b>	Shankarao Naram Path
<b>Locality:</b>	Lower Parel
<b>City:</b>	Mumbai 400013
<b>11.Area of the project</b>	Municipal Corporation of Greater Mumbai (MCGM)
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	IOD No. CHE/ES/0331/S-T/337(NEW) CE/1228/BPES/AS dt. 23 April 2010
	<b>IOD/IOA/Concession/Plan Approval Number:</b> CHE/ES/0331/S-T/337(NEW) CE/1228/BPES/AS dt. 23 April 2010.
	<b>Approved Built-up Area:</b> 47268.53
<b>13.Note on the initiated work (If applicable)</b>	Construction works is in progress as per EC received.
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	NA
<b>15.Total Plot Area (sq. m.)</b>	21007.82 m2
<b>16.Deductions</b>	2100.78 m2
<b>17.Net Plot area</b>	18,907.04 m2
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> 50,719.82
	<b>b) Non FSI area (sq. m.):</b> 1,21,920.18 m2
	<b>c) Total BUA area (sq. m.):</b> 172640
<b>18 (b).Approved Built up area as per DCR</b>	<b>Approved FSI area (sq. m.):</b>
	<b>Approved Non FSI area (sq. m.):</b>
	<b>Date of Approval:</b>
<b>19.Total ground coverage (m2)</b>	19,893.56 m2
<b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>	71%
<b>21.Estimated cost of the project</b>	3350000000

## 22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Tower 1	Gr + 2 podiums + stilt+ upper 40 floors	148.25 m
2	Tower 2	Gr + 2 podiums + stilt+ upper 40 floors	148.25 m
3	Tower 3	Gr + 2 podiums + stilt+ upper 40 floors	148.25 m
4	Tower 4	Gr + 2 podiums + stilt+ upper 40 floors	148.25 m

23.Number of tenants and shops	Flats: 600 Nos.
24.Number of expected residents / users	3000 Nos.
25.Tenant density per hectare	-
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	13.40 m wide Samuel 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	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



<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	4 -5 m
	<b>Size and no of RWH tank(s) and Quantity:</b>	NA
	<b>Location of the RWH tank(s):</b>	NA
	<b>Quantity of recharge pits:</b>	15 Nos.
	<b>Size of recharge pits :</b>	Percolation Pit = 2.0 m Diameter & 3 m Depth. Area of the Percolation Pit = 3.14 m <sup>2</sup> . Volume of the Percolation = 20 cum/pit.
	<b>Budgetary allocation (Capital cost) :</b>	Rs. 4.50 Lakh
	<b>Budgetary allocation (O &amp; M cost) :</b>	Rs. 0.23 Lakh/yr
	<b>Details of UGT tanks if any :</b>	Underground
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	Towards North Side
	<b>Quantity of storm water:</b>	0.62 m <sup>3</sup> /sec
	<b>Size of SWD:</b>	Capacity of Internal drain 750 dia. slope 1/200 No of discharge points - 1 (External SWD 900 mm X 1200 mm with 2.2 m <sup>3</sup> /sec capacity)
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	351 KLD
	<b>STP technology:</b>	SAFF Reactor
	<b>Capacity of STP (CMD):</b>	385 KLD
	<b>Location &amp; area of the STP:</b>	Ground
	<b>Budgetary allocation (Capital cost):</b>	Rs. 51 Lakh
	<b>Budgetary allocation (O &amp; M cost):</b>	Rs. 20.26 Lakh/yr
<b>36.Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	Construction Debris: 5,013 m <sup>3</sup>
	<b>Disposal of the construction waste debris:</b>	The construction debris is utilized at site for Road Paving and plinth filling
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	405 kg/day
	<b>Wet waste:</b>	945 kg/day
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	52 kg/day
	<b>Others if any:</b>	Household E-waste generation

<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Dry garbage will be segregated & disposed off to recyclers					
	<b>Wet waste:</b>	Wet garbage will be composted using Mechanical Composting Technology and used as organic manure for landscaping.					
	<b>Hazardous waste:</b>	NA					
	<b>Biomedical waste (If applicable):</b>	NA					
	<b>STP Sludge (Dry sludge):</b>	Sludge use as manure for gardening					
	<b>Others if any:</b>	The E-waste shall be handed over to e-waste management vendor authorized by MPCB.					
<b>Area requirement:</b>	<b>Location(s):</b>	Ground					
	<b>Area for the storage of waste &amp; other material:</b>	50 m2					
	<b>Area for machinery:</b>	32 m2					
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs. 16 Lakh					
	<b>O &amp; M cost:</b>	Rs. 2.40 Lakh/yr					
<b>37. Effluent Characteristics</b>							
<b>Serial Number</b>	<b>Parameters</b>	<b>Unit</b>	<b>Inlet Effluent Characteristics</b>	<b>Outlet Effluent Characteristics</b>	<b>Effluent discharge standards (MPCB)</b>		
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					
<b>38. Hazardous Waste Details</b>							
<b>Serial Number</b>	<b>Description</b>	<b>Cat</b>	<b>UOM</b>	<b>Existing</b>	<b>Proposed</b>	<b>Total</b>	<b>Method of Disposal</b>
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>39. Stacks emission Details</b>							
<b>Serial Number</b>	<b>Section &amp; units</b>	<b>Fuel Used with Quantity</b>	<b>Stack No.</b>	<b>Height from ground level (m)</b>	<b>Internal diameter (m)</b>	<b>Temp. of Exhaust Gases</b>	
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	
<b>40. Details of Fuel to be used</b>							
<b>Serial Number</b>	<b>Type of Fuel</b>	<b>Existing</b>	<b>Proposed</b>	<b>Total</b>			
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		
<b>43.Green Belt Development</b>	<b>Total RG area :</b>	Area for Green Cover: 6510 m2		
	<b>No of trees to be cut :</b>	Existing trees: 287 Nos & trees to be cut: 127 Nos		
	<b>Number of trees to be planted :</b>	250 Nos.		
	<b>List of proposed native trees :</b>	As Below		
	<b>Timeline for completion of plantation :</b>	3 years		
<b>44.Number and list of trees species to be planted in the ground</b>				
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Lagerstromia Reginea	Taaman	22	Official state tree
2	Saraca indica	Sita Ashok	32	Hardly evergreen tree, grows well in warm climate
3	Butea Monosperma	Palash	24	Medium deciduous tree with bright flowers
4	Anthocephalus kadamba	Kadamb	23	Deciduous tree, large foliage & beautiful tree
5	Azadirachta Indica	Neem	18	Hardy evergreen tree, has medicinal properties
6	Murraya exotica	Kunti	25	Small, evergreen tree, good for gardens
7	Magnolia Champaca	Chafa	22	Ornamental flowering tree, hardy in nature
8	Erythrina indica	Pangara	24	Medium sized deciduous tree. Bright scarlet flowers.
9	Alstonia scholaris	Satvin	18	Shady, large evergreen tree, white fragrant flowers
10	Pongamia pinnata	Karanj	22	Shady Tree
11	Ailanthus excelsa	Maharukh	20	Large tree, good for roadside plantation
<b>45.Total quantity of plants on ground</b>				
<b>46.Number and list of shrubs and bushes species to be planted in the podium RG:</b>				
Serial Number	Name	C/C Distance	Area m2	
1	Kunti - Murraya Paniculata	-	-	
2	Adulsa - Adhatoda Vasica	-	-	
3	Kardal - Canna Dwarf	-	-	
4	Chitrak - Plumbago Capensis	-	-	
<b>47.Energy</b>				

<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEB
	<b>During Construction Phase: (Demand Load)</b>	100 KW
	<b>DG set as Power back-up during construction phase</b>	100 KW
	<b>During Operation phase (Connected load):</b>	15.29 MW
	<b>During Operation phase (Demand load):</b>	8.32 MW
	<b>Transformer:</b>	-
	<b>DG set as Power back-up during operation phase:</b>	2 X 500 kVA
	<b>Fuel used:</b>	HSD
	<b>Details of high tension line passing through the plot if any:</b>	NA

#### 48. Energy saving by non-conventional method:

- Natural shading through elevation features to minimize heat gain and reduce air-conditioning requirement
- Solar lighting in common areas, garden and road
- Solar hot water for residential buildings
- Energy efficient lighting fixtures (LED lights) to all buildings
- Energy Efficient multi-speed pumps & Motors for STP, UG & FF.
- Energy efficient lifts

#### 49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total Energy saving	21.5%

#### 50. Details of pollution control Systems

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

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs. 7.50 lakh
	<b>O &amp; M cost:</b>	Rs. 0.15 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 FOR DUST SUPPRESSION	-	7.2
2	SITE SANITATION	-	0.5
3	ENVIRONMENTAL MONITORING	-	1.08
4	DISINFECTION	-	1.8

5	HEALTH CHECK UP	-	10.8				
<b>b) Operation Phase (with Break-up):</b>							
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)			
1	STP (Tertiary)	Continuous O & M	51	20.26			
2	Rain Water Harvesting Recharge pits	During rainy season	4.50	0.23			
3	Solar	Weekly	7.50	0.15			
4	Solid waste management	Continuous O & M	16	2.40			
5	Gardening	Daily	60.50	9.68			
6	Environmental Monitoring	As per the CPCB guidelines through MoEF Approved laboratories	-	5.53			
<b>51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)</b>							
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
<b>52.Any Other Information</b>							
No Information Available							
<b>53.Traffic Management</b>							
Nos. of the junction to the main road & design of confluence:		13.40 m wide Samuel Road					

<b>Parking details:</b>	<b>Number and area of basement:</b>	NA
	<b>Number and area of podia:</b>	2 Podiums (1st Podium: 18,434.66 m2 & 2nd Podium: 17,464.66 m2)
	<b>Total Parking area:</b>	56,287.88 m2
	<b>Area per car:</b>	28.5 m2
	<b>Area per car:</b>	28.5 m2
	<b>Number of 2-Wheelers as approved by competent authority:</b>	NA
	<b>Number of 4-Wheelers as approved by competent authority:</b>	1434 Nos.
	<b>Public Transport:</b>	NA
	<b>Width of all Internal roads (m):</b>	6 m
	<b>CRZ/ RRZ clearance obtain, if any:</b>	NA
	<b>Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries</b>	Proposed site is 1.8 km away from the Sanjay Gandhi National park
	<b>Category as per schedule of EIA Notification sheet</b>	8 (b)
	<b>Court cases pending if any</b>	NA
	<b>Other Relevant Informations</b>	NA
	<b>Have you previously submitted Application online on MOEF Website.</b>	No
	<b>Date of online submission</b>	-
<b>SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS</b>		
Summorisred in brief information of Project as below.		
<b>Brief information of the project by SEAC</b>		

Representative of PP was present during the meeting along with environmental consultant M/s. Dr. D. A. Patil, Mahabal Enviro Engineers Pvt. Ltd.

PP informed that, the project under consideration is revalidation of EC. PP stated that project has obtained the EC vide letter dated 17/10/2010 for plot area 28,010.41 Sq.mt having total construction area 172640 Sq.mt.

PP further stated that, the total plot area of the project is 28010.41Sq.mt. having total construction area 166140Sq.mt.(FSI - 58625.13 sq.mt +NON FSI- Total - 107514.87 sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors
Tower 1	Gr + 2 podiums + stilt+ upper 36 floors
Tower 2	Gr + 2 podiums + stilt+ upper38 floors
Tower 3	Gr + 2 podiums + stilt+ upper38 floors
Tower 4	Gr + 2 podiums + stilt+ upper 32 floors

It is noted that the project earlier considered in 59<sup>th</sup> SEAC-2 Meeting held on 13-04-2018 & deferred due to PP to submit revised application for revalidation and amendment in earlier EC as there are changes in the environmental infrastructures.

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

### DECISION OF SEAC

***After deliberation, Committee decided to recommend the proposal for revalidation of EC with Amendment to SEIAA, subject to compliance of*** 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 & compliance of ***conditions mentioned in earlier EC.***

Specific Conditions by SEAC:

## FINAL RECOMMENDATION

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

SEAC-AGENDA-0000000255

## Agenda of 97th SEAC-2 Day-2 meeting held on 25th April, 2019

**SEAC Meeting number: 97th Day-2 Meeting Date April 25, 2019**

**Subject:** Environment Clearance for Proposed Integrated Bus Terminus cum Commercial Complex Project On Plot No. 3, Sector 9A, Vashi, Navi Mumbai, Dist. Thane by M/s. Navi Mumbai Municipal Transport.

**Is a Violation Case:** No

<b>1.Name of Project</b>	Proposed Integrated Bus Terminus cum Commercial Complex
<b>2.Type of institution</b>	Government
<b>3.Name of Project Proponent</b>	M/s. Navi Mumbai Municipal Transport.
<b>4.Name of Consultant</b>	Building Environment India Pvt. Ltd
<b>5.Type of project</b>	Integrated Bus Terminus cum Commercial Complex
<b>6.New project/expansion in existing project/modernization/diversification in existing project</b>	New Project
<b>7.If expansion/diversification, whether environmental clearance has been obtained for existing project</b>	Not applicable
<b>8.Location of the project</b>	Proposed Integrated Bus Terminus cum Commercial Complex Project On Plot No. 3, Sector 9A, Vashi, Navi Mumbai, Dist. Thane.
<b>9.Taluka</b>	Vashi
<b>10.Village</b>	Vashi
<b>Correspondence Name:</b>	M/s. Navi Mumbai Municipal Transport.
<b>Room Number:</b>	--
<b>Floor:</b>	8th Floor
<b>Building Name:</b>	Belapur Bhavan
<b>Road/Street Name:</b>	Sector 11
<b>Locality:</b>	C.B.D. Belapur
<b>City:</b>	Navi Mumbai
<b>11.Area of the project</b>	Navi Mumbai Municipal Corporation
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	Letter of Intent (LOI) received from NMMC bearing Ref. No. NMMC/TPO/ADTP/3881/2018 dt. 27/09/2018
	<b>IOD/IOA/Concession/Plan Approval Number:</b> Letter of Intent (LOI) received from NMMC bearing Ref. No. NMMC/TPO/ADTP/3881/2018 dt. 27/09/2018
	<b>Approved Built-up Area:</b> 15560.00
<b>13.Note on the initiated work (If applicable)</b>	Not Applicable
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	Letter of Intent (LOI) received from NMMC bearing Ref. No. NMMC/TPO/ADTP/3881/2018 dt. 27/09/2018
<b>15.Total Plot Area (sq. m.)</b>	10373.42 Sq.m
<b>16.Deductions</b>	Nil
<b>17.Net Plot area</b>	10373.42 Sq.m
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> 15,560.13 Sq.m
	<b>b) Non FSI area (sq. m.):</b> 32,280.09 Sq.m
	<b>c) Total BUA area (sq. m.):</b> 47816
<b>18 (b).Approved Built up area as per DCR</b>	<b>Approved FSI area (sq. m.):</b> 15,560.13 Sq.m
	<b>Approved Non FSI area (sq. m.):</b> 32,280.09 Sq.m
	<b>Date of Approval:</b> 27-09-2018
<b>19.Total ground coverage (m2)</b>	4632.93 Sq.m
<b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>	44.66 %
<b>21.Estimated cost of the project</b>	1500000000

## 22. Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	1	Ground (Shop)+1st Floor (Partial Shop & Partial Parking) +2nd, 3rd, 4th Podium Parking+ 5th Floor Restaurant & RG + 6th to 18th Office Floors+ 19th Fire check Floors+20th & 21st Office Floors	84.41 M
<b>23. Number of tenants and shops</b>	No. of Shops = 7 nos. No. of Restaurant = 6 nos. No. of Offices = 75 nos. Total: 88 nos.		
<b>24. Number of expected residents / users</b>	2473 no's of Building + 672 no's of Public Toilet = Total 3145nos		
<b>25. Tenant density per hectare</b>	84.83 Per hectare		
<b>26. Height of the building(s)</b>			
<b>27. Right of way (Width of the road from the nearest fire station to the proposed building(s))</b>	32 M wide Road		
<b>28. Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation</b>	More than 9 M		
<b>29. Existing structure (s) if any</b>	There are structures on site which is to be demolished.		
<b>30. Details of the demolition with disposal (If applicable)</b>	Demolished brick materials to be use for plinth filling		

## 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



<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	0.5 - 6.0 M below ground level
	<b>Size and no of RWH tank(s) and Quantity:</b>	Not applicable
	<b>Location of the RWH tank(s):</b>	Not applicable
	<b>Quantity of recharge pits:</b>	Not applicable
	<b>Size of recharge pits :</b>	Not applicable
	<b>Budgetary allocation (Capital cost) :</b>	Not applicable
	<b>Budgetary allocation (O &amp; M cost) :</b>	Not applicable
	<b>Details of UGT tanks if any :</b>	Underground Level
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	The arrangement for disposal of SW through and from the plot as per the remarks of SW department, NMMC
	<b>Quantity of storm water:</b>	0.29 m3/sec
	<b>Size of SWD:</b>	600mm wide with 1:300 slope
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	118 KLD
	<b>STP technology:</b>	RMBR technology
	<b>Capacity of STP (CMD):</b>	1 no. of STP of capacity 120.0 KLD
	<b>Location &amp; area of the STP:</b>	Ground level
	<b>Budgetary allocation (Capital cost):</b>	45 Lacs
	<b>Budgetary allocation (O &amp; M cost):</b>	5.0 Lacs / year
<b>36.Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	Debris & excavated material generated would be disposed by covered trucks to the authorized sites with permission from NMMC.
	<b>Disposal of the construction waste debris:</b>	Construction debris would be disposed of by covered trucks to the authorized sites with the permission of NMMC.
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	519.33 kg/day
	<b>Wet waste:</b>	222.57 kg/day
	<b>Hazardous waste:</b>	Not applicable
	<b>Biomedical waste (If applicable):</b>	Not applicable
	<b>STP Sludge (Dry sludge):</b>	3.54 (3% of STP capacity)
	<b>Others if any:</b>	Not applicable

<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Handed over to NMMC.					
	<b>Wet waste:</b>	shall be processed in OWC to use as manure in premises for plants, excess shall be sold /handover to outside parties.					
	<b>Hazardous waste:</b>	Shall be handed over to authorized common hazardous waste disposal site					
	<b>Biomedical waste (If applicable):</b>	Not applicable					
	<b>STP Sludge (Dry sludge):</b>	Used as manure within the premises for plants. Excess shall be sold /handover to outside parties or gardens.					
	<b>Others if any:</b>	Not applicable					
<b>Area requirement:</b>	<b>Location(s):</b>	2nd Floor.					
	<b>Area for the storage of waste &amp; other material:</b>	49 sq.mt					
	<b>Area for machinery:</b>	9 Sqm					
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	16 lakhs					
	<b>O &amp; M cost:</b>	5 Lakhs					
<b>37.Effluent Charecterestics</b>							
<b>Serial Number</b>	<b>Parameters</b>	<b>Unit</b>	<b>Inlet Effluent Charecterestics</b>	<b>Outlet Effluent Charecterestics</b>	<b>Effluent discharge standards (MPCB)</b>		
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					
<b>38.Hazardous Waste Details</b>							
<b>Serial Number</b>	<b>Description</b>	<b>Cat</b>	<b>UOM</b>	<b>Existing</b>	<b>Proposed</b>	<b>Total</b>	<b>Method of Disposal</b>
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>39.Stacks emission Details</b>							
<b>Serial Number</b>	<b>Section &amp; units</b>	<b>Fuel Used with Quantity</b>	<b>Stack No.</b>	<b>Height from ground level (m)</b>	<b>Internal diameter (m)</b>	<b>Temp. of Exhaust Gases</b>	
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	
<b>40.Details of Fuel to be used</b>							
<b>Serial Number</b>	<b>Type of Fuel</b>	<b>Existing</b>	<b>Proposed</b>	<b>Total</b>			
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		
<b>43.Green Belt Development</b>	<b>Total RG area :</b>	Ground (sq. m.): 1561.01 Sq.mt. Podium (sq. m.): 3018.82 Sq.mt.		
	<b>No of trees to be cut :</b>	27 to be cut		
	<b>Number of trees to be planted :</b>	104 nos		
	<b>List of proposed native trees :</b>	Raintree, Pipal, Kejeliya, Karanj, Neem & Peltophorum		
	<b>Timeline for completion of plantation :</b>	3 Years		
<b>44.Number and list of trees species to be planted in the ground</b>				
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Albizia saman	Raintree	6	flowering tree in the pea family
2	Ficus religiosa	Pipal	3	It is also known as the bodhi tree
3	Kigelia Africana	Kejeliya	1	Kigelia is a genus of flowering plants. The Kigelia grows a fruit that is up to 2 feet long, weighs about 15 lbs, and looks like sausage.
4	Millettia pinnata	Karanj	2	Karanja, karanj, pongam, Indian beech, Pongamia tree
5	Azadirachta indica	Neem	1	Azadirachta indica, commonly known as neem, nintree or Indian lilac, is a tree in the mahogany family Meliaceae.
6	Peltophorum pterocarpum	Peltophorum	89	Peltophorum ferrugineum. Copper Pod Tree ,Pivla Gulmohar. Big tree that grows to a height up to 30 m. The flowers are borne in terminal spikes.
7	--	Total	104	--
<b>45.Total quantity of plants on ground</b>				
<b>46.Number and list of shrubs and bushes species to be planted in the podium RG:</b>				
Serial Number	Name	C/C Distance	Area m2	
1	--	--	--	
<b>47.Energy</b>				

<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEB
	<b>During Construction Phase: (Demand Load)</b>	---
	<b>DG set as Power back-up during construction phase</b>	---
	<b>During Operation phase (Connected load):</b>	3,563.57KW
	<b>During Operation phase (Demand load):</b>	2,649.74KW
	<b>Transformer:</b>	--
	<b>DG set as Power back-up during operation phase:</b>	1No, D.G. set of capacity 450 KVA
	<b>Fuel used:</b>	Diesel
	<b>Details of high tension line passing through the plot if any:</b>	Not applicable

#### 48. Energy saving by non-conventional method:

- Energy efficient lifts
- Energy efficient pumps/ Equipment for fire- fighting, plumbing, STP & OWC.
- L.E.D for common lighting

#### 49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	<ul style="list-style-type: none"> <li>• Energy efficient lifts</li> <li>• Energy efficient pumps/ Equipment for fire- fighting, plumbing, STP &amp; OWC.</li> <li>• L.E.D for common lighting</li> </ul>	Overall Energy Saving is more than 3% on Total Demand load. Solar PV Electricity Generation 80KW and total demand load 2,649.74KW

#### 50. Details of pollution control Systems

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

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	68 Lacs
	<b>O &amp; M cost:</b>	7 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	1	Water for Dust Suppression	2.0
2	1	Site As per ECBC Sanitation Facility, Disinfection & Health Check up	35.60

3	1	Environmental Monitoring	1.50
4	--	Total Cost	39.1

**b) Operation Phase (with Break-up):**

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	1	STP	45.00	5.0
2	1	Solid Waste Management	16.00	5.0
3	1	Gardening & Landscaping	15.43	4.48
4	1	Solar Panel	68.00	7.00
5	1	DMP	320.07	16.00
6	1	Environmental Monitoring	MOEF approved agency for monitoring	16.39
7	--	Total	464.5	53.87

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

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

**52.Any Other Information**

No Information Available

**53.Traffic Management**

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

<b>Parking details:</b>	<b>Number and area of basement:</b>	Not applicable
	<b>Number and area of podia:</b>	4 Nos. of Podium & Area (including driveway, ramp) : 14763.38 Sq.mt
	<b>Total Parking area:</b>	14763.38 Sq.mt
	<b>Area per car:</b>	12.5 Sq.m
	<b>Area per car:</b>	12.5 Sq.m
	<b>Number of 2-Wheelers as approved by competent authority:</b>	43 Nos.
	<b>Number of 4-Wheelers as approved by competent authority:</b>	419 Nos.
	<b>Public Transport:</b>	Bus stops 13nos + 4nos
	<b>Width of all Internal roads (m):</b>	More Than 9 M
	<b>CRZ/ RRZ clearance obtain, if any:</b>	Not Applicable
	<b>Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries</b>	Not Applicable
	<b>Category as per schedule of EIA Notification sheet</b>	Category B2 of Projects and activity number 8(a) - Building & Construction Projects
	<b>Court cases pending if any</b>	Not Applicable
	<b>Other Relevant Informations</b>	---
	<b>Have you previously submitted Application online on MOEF Website.</b>	No
	<b>Date of online submission</b>	-
<b>SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS</b>		
Summorisred in brief information of Project as below.		
<b>Brief information of the project by SEAC</b>		

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

PP informed that, the project under consideration is *proposed New Integrated Bus Terminus cum Commercial Complex Project*. PP further stated that, the total plot area of the project is 10373.42 Sq.mt having total construction area 47816 Sq.mt.(FSI - 15,560.13 sq.mt +NON FSI- Total -32,280.09 sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
1	Ground (Shop)+1st Floor (Partial Shop & Partial Parking) +2nd, 3rd, 4th Podium Parking+ 5th Floor Restaurant & RG + 6th to 18 <sup>th</sup> Office Floors+ 19th Fire check Floors+20th & 21st Office Floors	84.41 M

It is noted that, the proposal was considered earlier in 86<sup>th</sup> (Day-1) meeting held on 28-01-2019 & deferred with observations namely 1) to submit the copy of HRC NoC.2) to provide the circulatory movement of fire engine all around the building.3) to ensure that RG should be minimum 15% and should be on Mother Earth. 4) to submit CER as per MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project or Environment Department may direct PP to undertake CER work in identified area.

Accordingly PP submitted the compliance which was taken on record. The project proposal was discussed on the basis of presentation made and documents submitted by the proponent. All issues related to environment, including air, water, land, soil, ecology and biodiversity and social aspects were discussed. Committee noted that the project is under ~~9a (P2) category of EIA Notification, 2006. Consolidated statements, synopsis of~~

### **DECISION OF SEAC**

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

#### **Specific Conditions by SEAC:**

- 1) PP to ensure that RG proposed on podium should have the soil cover of 3mt with appropriate plantation.
- 2) PP to submit the CRZ status of the plot by demarcating plot boundary on approved CZMP maps of the area.
- 3) PP to verify the distance of project site from Flamingo Sanctuary. PP to submit & upload the same.

### **FINAL RECOMMENDATION**

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

## Agenda of 97th SEAC-2 Day-2 meeting held on 25th April, 2019

**SEAC Meeting number: 97th Day-2 Meeting Date April 25, 2019**

**Subject:** Environment Clearance for "Niharika Absolute"- Residential Project at Plot no. A-10, sector 39A, Kharghar, Navi Mumbai by M/s. Juhi Infrabuild LLP

**Is a Violation Case:** No

<b>1.Name of Project</b>	"Niharika Absolute"- Residential Project
<b>2.Type of institution</b>	Private
<b>3.Name of Project Proponent</b>	M/s. Juhi Infrabuild LLP
<b>4.Name of Consultant</b>	M/s. Enviro Analysts & Engineers Pvt. Ltd.
<b>5.Type of project</b>	Housing project
<b>6.New project/expansion in existing project/modernization/diversification in existing project</b>	New Project
<b>7.If expansion/diversification, whether environmental clearance has been obtained for existing project</b>	Not applicable
<b>8.Location of the project</b>	Plot no. A-10, sector 39A, Kharghar, Navi Mumbai
<b>9.Taluka</b>	Panvel
<b>10.Village</b>	Kharghar
<b>Correspondence Name:</b>	Mr.Hitesh Chawla
<b>Room Number:</b>	1605/1606
<b>Floor:</b>	16th
<b>Building Name:</b>	The Ambience Court
<b>Road/Street Name:</b>	Sector 19 D
<b>Locality:</b>	Vashi
<b>City:</b>	Navi Mumbai
<b>11.Area of the project</b>	Kharghar CIDCO (City and Industrial Development Corporation)
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	LOI & CC Received from CIDCO
	<b>IOD/IOA/Concession/Plan Approval Number:</b> LOI Received from CIDCO vide letter no.CIDCO/BP-15232/TPO(NM)/2018/775 dated 18.9.18, CC recived form CIDCO vide letter no.CIDCO/BP-15232/TPO(NM & K)/2016/3829 dated 23.1.2019
	<b>Approved Built-up Area:</b> 13947.89
<b>13.Note on the initiated work (If applicable)</b>	Nil
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	LOI Received from CIDCO vide letter no.CIDCO/BP-15232/TPO(NM)/2018/775 dated 18.9.18, CFO received form CIDCO vide letter no.CIDCO/FIRE/HQ/2018/396 dated 24.09.2018
<b>15.Total Plot Area (sq. m.)</b>	9300.00 sqm
<b>16.Deductions</b>	--
<b>17.Net Plot area</b>	9300.00 sqm
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> 13947.89 sqm
	<b>b) Non FSI area (sq. m.):</b> 25343.24 sqm
	<b>c) Total BUA area (sq. m.):</b> 39291.13
<b>18 (b).Approved Built up area as per DCR</b>	<b>Approved FSI area (sq. m.):</b> 13947.89
	<b>Approved Non FSI area (sq. m.):</b> 25343.24
	<b>Date of Approval:</b> 18-09-2018
<b>19.Total ground coverage (m2)</b>	5798.90 sqm
<b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>	62%
<b>21.Estimated cost of the project</b>	980000000

## 22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)	
1	1 building having 6 nos of Wings A,B,C,D,E,F	G (stilt Parking) +1st Floor (Parking on podium)+ 2nd Floor (part residential/podium for Landscape & amenity area) +3rd To 14th residential floors	42.15 m	
<b>23.Number of tenants and shops</b>		Residential- 342 nos		
<b>24.Number of expected residents / users</b>		1553 nos		
<b>25.Tenant density per hectare</b>		367 tenant/hector		
<b>26.Height of the building(s)</b>				
<b>27.Right of way (Width of the road from the nearest fire station to the proposed building(s))</b>		15.00 mt wide DP road from 2 sides.		
<b>28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation</b>		7.50 m		
<b>29.Existing structure (s) if any</b>		Plot is Vacant		
<b>30.Details of the demolition with disposal (If applicable)</b>		Not applicable		
<b>31.Production Details</b>				
Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable
<b>32.Total Water Requirement</b>				



<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	unconfined aquifers-5-15m and confined aquifers-40-80m
	<b>Size and no of RWH tank(s) and Quantity:</b>	1 x 120 cum (2 day holding capacity)
	<b>Location of the RWH tank(s):</b>	Ground
	<b>Quantity of recharge pits:</b>	Nil
	<b>Size of recharge pits :</b>	Nil
	<b>Budgetary allocation (Capital cost) :</b>	Rs 8.00 Lakh
	<b>Budgetary allocation (O &amp; M cost) :</b>	Rs 0.40 Lakh /annum
	<b>Details of UGT tanks if any :</b>	Domestic -300 cum Flushing- 70 cum Fire - 100 cum RWH-120 cum Location- Ground
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	West to East
	<b>Quantity of storm water:</b>	0.20 m3/sec
	<b>Size of SWD:</b>	0.45m x 0.60 m
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	196 KLD
	<b>STP technology:</b>	MBBR
	<b>Capacity of STP (CMD):</b>	215 KLD
	<b>Location &amp; area of the STP:</b>	Ground (135 sqm)
	<b>Budgetary allocation (Capital cost):</b>	Rs 35.00 Lakhs
	<b>Budgetary allocation (O &amp; M cost):</b>	Rs 5.00 lakhs/annum
<b>36.Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	Excavated material, Cement Bags , Paint container (@20L), Scrap metal generated,Broken Tiles.
	<b>Disposal of the construction waste debris:</b>	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.
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	311 kg/day
	<b>Wet waste:</b>	466 Kg/day
	<b>Hazardous waste:</b>	Not Applicable
	<b>Biomedical waste (If applicable):</b>	Not Applicable
	<b>STP Sludge (Dry sludge):</b>	10 kg/day
	<b>Others if any:</b>	E-waste will be handed over to MPCB authorized dealers

<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	To be hand over to Local Recyclers for recycling					
	<b>Wet waste:</b>	To be processed in the OWC. Manure obtained shall be used for landscaping / Gardening, Excess manure shall be sold to nearby end users					
	<b>Hazardous waste:</b>	Not Applicable					
	<b>Biomedical waste (If applicable):</b>	Not Applicable					
	<b>STP Sludge (Dry sludge):</b>	To be used as a manure.					
	<b>Others if any:</b>	E-waste will be handed over to MPCB authorized dealers					
<b>Area requirement:</b>	<b>Location(s):</b>	Ground					
	<b>Area for the storage of waste &amp; other material:</b>	40.00 sqm					
	<b>Area for machinery:</b>	5.00 sqm					
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs 10.00 Lakhs					
	<b>O &amp; M cost:</b>	Rs 2.00 lakhs /annum					
<b>37.Effluent Charecterestics</b>							
<b>Serial Number</b>	<b>Parameters</b>	<b>Unit</b>	<b>Inlet Effluent Charecterestics</b>	<b>Outlet Effluent Charecterestics</b>	<b>Effluent discharge standards (MPCB)</b>		
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					
<b>38.Hazardous Waste Details</b>							
<b>Serial Number</b>	<b>Description</b>	<b>Cat</b>	<b>UOM</b>	<b>Existing</b>	<b>Proposed</b>	<b>Total</b>	<b>Method of Disposal</b>
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>39.Stacks emission Details</b>							
<b>Serial Number</b>	<b>Section &amp; units</b>	<b>Fuel Used with Quantity</b>	<b>Stack No.</b>	<b>Height from ground level (m)</b>	<b>Internal diameter (m)</b>	<b>Temp. of Exhaust Gases</b>	
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	
<b>40.Details of Fuel to be used</b>							
<b>Serial Number</b>	<b>Type of Fuel</b>	<b>Existing</b>	<b>Proposed</b>	<b>Total</b>			
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		
<b>43.Green Belt Development</b>				
		<b>Total RG area :</b>	Layout RG present, Additional RG on podium of 2587.09 sqm is provided	
		<b>No of trees to be cut :</b>	Nil	
		<b>Number of trees to be planted :</b>	117 nos	
		<b>List of proposed native trees :</b>	same as below	
		<b>Timeline for completion of plantation :</b>	By the end of construction phase.	
<b>44.Number and list of trees species to be planted in the ground</b>				
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Areca catechu	SUPARI	10	fruit bearing tree
2	Ficus religiosa	PEEPAL	15	shadey
3	Terminalia catappa	BADAM	15	shadey
4	Delonix regia	GULMOHAR	11	shadey, ornamental
5	Mimusops elengi	NEEM	18	medicinal properties
6	Casia fistula	GOLDEN SHOWER TREE	16	shadey, ornamental
7	Mimusops elengi	BAKUL	15	shadey, ornamental
8	Alstonia scholaris	SATVINA	17	shadey, ornamental
<b>45.Total quantity of plants on ground</b>				
<b>46.Number and list of shrubs and bushes species to be planted in the podium RG:</b>				
Serial Number	Name	C/C Distance	Area m2	
1	Gloriosa superba	3.00 m	6.00 m	
2	Adhatoda vasica	3.00 m	6.00 m	
3	Tecona stans	3.00 m	6.00 m	
4	Bougain villee sps	3.00 m	6.00 m	
5	Passsiflora edulis	3.00 m	6.00 m	
<b>47.Energy</b>				

<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	40 kW
	<b>DG set as Power back-up during construction phase</b>	50 kVA
	<b>During Operation phase (Connected load):</b>	3812 kW
	<b>During Operation phase (Demand load):</b>	1577 kW
	<b>Transformer:</b>	2 x 600 kVA
	<b>DG set as Power back-up during operation phase:</b>	1 x 175 kVA
	<b>Fuel used:</b>	HSD
	<b>Details of high tension line passing through the plot if any:</b>	Not Applicable

#### 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	13%

#### 50. Details of pollution control Systems

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

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs.35.00 lakhs
	<b>O &amp; M cost:</b>	Rs. 1.75 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	8.00	0.40
2	Solid waste management	OWC	10.00	2.00
3	Wastewater management	STP	35.00	5.00
4	energy savings	Solar, LED and others	35.00	1.75
5	green belt	Landscaping	25.00	2.50

**51.Storage of chemicals (inflammable/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 from 2 sides (2 entry/exit)
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<b>Parking details:</b>	<b>Number and area of basement:</b>	Nil
	<b>Number and area of podia:</b>	2 nos of podium (1 podium will be used for parking (5796.22 sqm) and 2nd for landscape)
	<b>Total Parking area:</b>	11595.12 sqm
	<b>Area per car:</b>	Ground- 27.00 sqm and podium- 33.00 sqm
	<b>Area per car:</b>	Ground- 27.00 sqm and podium- 33.00 sqm
	<b>Number of 2-Wheelers as approved by competent authority:</b>	-
	<b>Number of 4-Wheelers as approved by competent authority:</b>	342 nos
	<b>Public Transport:</b>	Nil
	<b>Width of all Internal roads (m):</b>	Minimum 6.00 m wide internal roads
	<b>CRZ/ RRZ clearance obtain, if any:</b>	Not applicable
	<b>Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries</b>	Not applicable
	<b>Category as per schedule of EIA Notification sheet</b>	8(a) B2
	<b>Court cases pending if any</b>	Not applicable
	<b>Other Relevant Informations</b>	As per the MoM of the 50th SEAC II meeting dated 08.09.2016. PP was asked to submit any one of the following approvals viz-CFO NOC, Water NOC, Sewage NOC or SWD NOC. PP have received CFO NOC vide letter no.CIDCO/FIRE/HQ/2018/396 dated 24.09.2018 , LOI Received from CIDCO vide letter no.CIDCO/BP-15232/TPO(NM)/2018/775 dated 18.9.18 CC received form CIDCO vide letter no.CIDCO/BP-15232/TPO(NM & K)/2016/3829 dated 23.1.2019
	<b>Have you previously submitted Application online on MOEF Website.</b>	Yes
	<b>Date of online submission</b>	08-08-2016
<b>SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS</b>		
Summarised in brief information of Project as below.		
<b>Brief information of the project by SEAC</b>		

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

PP informed that, the project under consideration is proposed New Housing project. PP further stated that, the total plot area of the project is 9300.00 Sq.mt. having total construction area 39291.13 Sq.mt.(FSI - 13947.89 sq.mt +NON FSI- Total - 25343.24 sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
1 building having 6 nos of Wings A,B,C,D,E,F	G (stilt Parking) +1st Floor (Parking on podium)+ 2nd Floor (part residential/podium for Landscape & amenity area) +3 <sup>rd</sup> To 14th residential floors	42.15

PP stated that, the project was first considered in the 50<sup>th</sup> SEAC II meeting held on dated 08.09.2016 and was deferred due to important observation like 1) there are no CFO permissions, approval for plans, WaterNOC, Sewage and storm water NOC. PP to submit any one of the above approval.

PP further stated that, Project has received **LOI from CIDCO** vide letter dated 18.9.2018 for the FSI area of 13947.89 sqm, NoN FSI area of 25343.24 sqm and Total Construction area of 39291.13 sqm. & CFO NOC received vide letter dated 24.09.2018 for the height of 42.15 m.

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

## DECISION OF SEAC

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

**Specific Conditions by SEAC:**

- 1) PP to submit the Nalla remarks.
- 2) Committee noted that, in the minutes of 50th meeting of SEAC-2 the total plot area mentioned is 94760Sq.mt & total construction area is 66616 Sq.mt. PP to submit the letter regarding difference in total built up area & plot area.
- 3) PP to provide measures so that treated waste water should be discharged in sewer drain reduce to 30%
- 4) PP to superimpose layout plan of project on ESZ map of Sanjay Gandhi National park to verify the distance of project site from ESZ.
- 5) PP to submit CER of 2% prescribed by MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project. The specific activities to be undertake under CER to be get approved from collector/ local body or Environment Department
- 6) PP to submit the undertaking regarding status of mangroves on project site.

**FINAL RECOMMENDATION**

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

SEAC-AGENDA-0000000255

## Agenda of 97th SEAC-2 Day-2 meeting held on 25th April, 2019

**SEAC Meeting number: 97th Day-2 Meeting Date April 25, 2019**

**Subject:** Environment Clearance for Proposed General cum Multi super specialty Hospital and Allied Building at Plot no. 46, sector 30, vashi, Navi mumbai by M/s Mahatma Gandhi Mission Trust.

**Is a Violation Case:** Yes

<b>1.Name of Project</b>	Proposed General cum Multi super specialty Hospital and Allied Building
<b>2.Type of institution</b>	TOR
<b>3.Name of Project Proponent</b>	M/s Mahatma Gandhi Mission Trust
<b>4.Name of Consultant</b>	M/s. Enviro Analysts & Engineers Pvt. Ltd. Mr. H. K Desai B-1003,Enviro House, 10th floor, Western Edge -II Western Express Highway, Borivali (E), Mumbai- 400 066 hkdesai5@gmail.com,; info@eaepl.com
<b>5.Type of project</b>	Multi super specialty Hospital and Allied Building
<b>6.New project/expansion in existing project/modernization/diversification in existing project</b>	New project
<b>7.If expansion/diversification, whether environmental clearance has been obtained for existing project</b>	Not applicable
<b>8.Location of the project</b>	Plot No. 46, Sector 30, Vashi, Navi Mumbai
<b>9.Taluka</b>	Navi Mumbai
<b>10.Village</b>	Vashi
<b>Correspondence Name:</b>	Dr. S N Kadam
<b>Room Number:</b>	2nd floor
<b>Floor:</b>	2nd floor
<b>Building Name:</b>	Mahatma Gandhi Mission Trust MGM Hospital,
<b>Road/Street Name:</b>	CBD Belapur Navi Mumbai
<b>Locality:</b>	CBD Belapur
<b>City:</b>	Navi Mumbai
<b>11.Area of the project</b>	NMMC
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	First development permission from Navi Mumbai Municipal corporation received dated 28.10.2002 & Revised CC for Amended plan received dated 16.6.2012. <b>IOD/IOA/Concession/Plan Approval Number:</b> ?? ??? / ??????? / ?????? / ??? / ????.???.? / 2885/2012 <b>Approved Built-up Area:</b> 32789
<b>13.Note on the initiated work (If applicable)</b>	27,731.9 Sq.m. of area is constructed on site .Hospital Wing A - Gr. + 12 Upper Floors & Hospital Wing B- Basement + Gr + 5 Upper Floors
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	Lease deed of plot by CIDCO dated 06.07.1999,Part occupation of Bldg A dated 03.07.2012
<b>15.Total Plot Area (sq. m.)</b>	32,789.29 Sq.m.
<b>16.Deductions</b>	0 Sq.m.
<b>17.Net Plot area</b>	32,789.29 Sq.m.
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> 32,496.03
	<b>b) Non FSI area (sq. m.):</b> 32,921.72
	<b>c) Total BUA area (sq. m.):</b> 65417
<b>18 (b).Approved Built up area as per DCR</b>	<b>Approved FSI area (sq. m.):</b> 32789.29
	<b>Approved Non FSI area (sq. m.):</b> 32921.72
	<b>Date of Approval:</b> 16-06-2012
<b>19.Total ground coverage (m2)</b>	13,226.52
<b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>	40%
<b>21.Estimated cost of the project</b>	1659300000

## 22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Hospital Building A	Ground + 12 Upper Floors	49.65 m
2	Hospital Building B	Basement + Gr + 6 Upper Floors	23.75 m
3	Hospital Building C	2 Basement + Lower ground + Upper ground + 1st Floor	7.20 m
4	Paramedical Building	Stilt + 4 Upper Floors	18.55 m
5	Commercial Building	Ground + 4 Upper Floors	20.60 m
6	Residential Building	Stilt + 4 Upper Floors	15.15 m
7	Residential Building	Stilt + 4 Upper Floors	15.15 m

<b>23.Number of tenants and shops</b>	Hospital Wing A & B : 300 Beds, Hospital Wing C : 145 cabins, Paramedical Building : 33 nos., Commercial Building : 24 nos., Residential Building : 48 nos.
<b>24.Number of expected residents / users</b>	Hospital Wing A & B : 1,993 nos. , Hospital Wing C : 657 nos., Paramedical Building : 340 nos., Commercial Building : 250 nos., Residential Building : 240 nos.
<b>25.Tenant density per hectare</b>	Not applicable
<b>26.Height of the building(s)</b>	
<b>27.Right of way (Width of the road from the nearest fire station to the proposed building(s))</b>	20.0 m wide DP road
<b>28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation</b>	9.00 m wide
<b>29.Existing structure (s) if any</b>	Hospital Wing A - Gr. + 12 Upper Floors & Hospital Wing B- Basement + Gr + 5 Upper Floors
<b>30.Details of the demolition with disposal (If applicable)</b>	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



<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	5 m to 6 m below ground level
	<b>Size and no of RWH tank(s) and Quantity:</b>	Hospital Buildings A & B- 138 KL, Hospital Building C-237 KL, Paramedical Building - 79 KL, Commercial Building- 43 KL, Residential Building - 47 KL, Total -544 KL
	<b>Location of the RWH tank(s):</b>	Ground
	<b>Quantity of recharge pits:</b>	Not applicable
	<b>Size of recharge pits :</b>	Not applicable
	<b>Budgetary allocation (Capital cost) :</b>	Rs. 47 Lakhs
	<b>Budgetary allocation (O &amp; M cost) :</b>	Rs. 2.4 Lakhs/annum
	<b>Details of UGT tanks if any :</b>	Domestic Water Tank : 160 Cum. Flushing Water Tank : 126 Cum. Fire Water Tank : 425 Cum. Rain Water Harvesting Tank : 544 Cum. Location of Tanks: Ground
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	South to North
	<b>Quantity of storm water:</b>	0.47 m3/s
	<b>Size of SWD:</b>	0.60 m x 0.45 m
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	256
	<b>STP technology:</b>	MBBR
	<b>Capacity of STP (CMD):</b>	265 Cum.
	<b>Location &amp; area of the STP:</b>	Ground
	<b>Budgetary allocation (Capital cost):</b>	Rs. 53 Lakhs
	<b>Budgetary allocation (O &amp; M cost):</b>	Rs. 8 Lakhs/annum
<b>36.Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	• Quantity of the top soil (5000Cum) to be preserved for landscaping. Excavated soil and rubble to be used for backfilling and for internal roads. • Scrap material and other recyclable material like empty cement bags and empty paint cans to be sold to recyclers. • Broken tiles to be used as china mosaic for terrace
	<b>Disposal of the construction waste debris:</b>	Quantity of the top soil (5000Cum) to be preserved for landscaping. Excavated soil and rubble to be used for backfilling and for internal roads, Scrap material and other recyclable material like empty cement bags and empty paint cans to be sold to recyclers, Broken tiles to be used as china mosaic for terrace.
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	837 kg/day
	<b>Wet waste:</b>	477 kg/day
	<b>Hazardous waste:</b>	Not applicable
	<b>Biomedical waste (If applicable):</b>	261 kg/day
	<b>STP Sludge (Dry sludge):</b>	8 kg/day
	<b>Others if any:</b>	E-waste will be sold to authorized vendors

<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Will be hand over to NMMC for recycling					
	<b>Wet waste:</b>	Will be processed in the OWC for manure for landscaping/ gardening					
	<b>Hazardous waste:</b>	Not applicable					
	<b>Biomedical waste (If applicable):</b>	Will be segregated as per Biomedical Waste Management and Handling Rule 1998 (amended in 2018) and handed over to Common Bio-medical Waste Treatment Facilities					
	<b>STP Sludge (Dry sludge):</b>	Use as a manure					
	<b>Others if any:</b>	E-waste - will be sold to authorized vendors					
<b>Area requirement:</b>	<b>Location(s):</b>	Ground level					
	<b>Area for the storage of waste &amp; other material:</b>	72 sqm					
	<b>Area for machinery:</b>	28 sqm					
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs 25 Lakhs					
	<b>O &amp; M cost:</b>	Rs 5 Lakhs /annum					
<b>37.Effluent Charecterestics</b>							
<b>Serial Number</b>	<b>Parameters</b>	<b>Unit</b>	<b>Inlet Effluent Charecterestics</b>	<b>Outlet Effluent Charecterestics</b>	<b>Effluent discharge standards (MPCB)</b>		
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					
<b>38.Hazardous Waste Details</b>							
<b>Serial Number</b>	<b>Description</b>	<b>Cat</b>	<b>UOM</b>	<b>Existing</b>	<b>Proposed</b>	<b>Total</b>	<b>Method of Disposal</b>
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>39.Stacks emission Details</b>							
<b>Serial Number</b>	<b>Section &amp; units</b>	<b>Fuel Used with Quantity</b>	<b>Stack No.</b>	<b>Height from ground level (m)</b>	<b>Internal diameter (m)</b>	<b>Temp. of Exhaust Gases</b>	
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	
<b>40.Details of Fuel to be used</b>							
<b>Serial Number</b>	<b>Type of Fuel</b>	<b>Existing</b>	<b>Proposed</b>	<b>Total</b>			
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					

<b>43.Green Belt Development</b>	<b>Total RG area :</b>	2,075.68 Sq.m.
	<b>No of trees to be cut :</b>	Not applicable
	<b>Number of trees to be planted :</b>	500 nos.
	<b>List of proposed native trees :</b>	Enlisted Below
	<b>Timeline for completion of plantation :</b>	by the end of construction phase

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

<b>Serial Number</b>	<b>Name of the plant</b>	<b>Common Name</b>	<b>Quantity</b>	<b>Characteristics &amp; ecological importance</b>
1	Roystonea regia	Royal palm	73	ornamental
2	Cocos nucifera	Coconut	76	fruit bearing
3	Caryota	Fish tail palm	62	ornamental
4	Alstonia scholaris	Devil's tree	58	ornamental
5	Azadirachta indica	The Indian lilac	75	ornamental
6	Butea monosperma	Butea monosperma	61	ornamental
7	Eucalyptus citriodora	Lemon eucalyptus	34	ornamental
8	Madhuca longifolia	The honey tree	25	ornamental
9	Mangifera indica	The mango tree	30	fruit bearing, ornamental
10	Terminalia arjuna	Arjun tree	6	ornamental

#### **45.Total quantity of plants on ground**

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

<b>Serial Number</b>	<b>Name</b>	<b>C/C Distance</b>	<b>Area m2</b>
1	NA	NA	NA

#### **47.Energy**

<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	100 kW
	<b>DG set as Power back-up during construction phase</b>	100 kVA
	<b>During Operation phase (Connected load):</b>	4568 KW
	<b>During Operation phase (Demand load):</b>	3528 KW
	<b>Transformer:</b>	.
	<b>DG set as Power back-up during operation phase:</b>	A & B wing 1250 Kva X 2nos. ,C wing 615 Kva ,C wing 380 Kva ,Comm.& Paramedical Bldg. 250 Kva
	<b>Fuel used:</b>	HSD
	<b>Details of high tension line passing through the plot if any:</b>	NA

#### 48. Energy saving by non-conventional method:

Road/Landscape - 60% Solar Lighting  
 Parking - LED lights  
 Lobby & staircase LED lights - 60% Solar  
 Lift-Regenerative Types  
 Ventilation fan with VFD  
 Solar Hot Water system

#### 49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	ENERGY SAVING SUMMARY HOSPITAL BUILDING	Overall Saving for the Project - 15%
2	ENERGY SAVING SUMMARY FOR RESIDENTIAL	Overall Saving for the Project 28.8%
3	ENERGY SAVING SUMMARY COMMERCIAL & PARAMEDICAL	Overall Saving for the Project-6.5%

#### 50. Details of pollution control Systems

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

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs 29 lakhs
	<b>O &amp; M cost:</b>	Rs. 2.9 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	Water for Dust Suppression	4.00
2	EHS	Site Sanitation	2.00

3	Environmental Monitoring	Environmental Monitoring	1.00				
<b>b) Operation Phase (with Break-up):</b>							
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)			
1	SWM	OWC	25	5			
2	waste water management	STP	53	8			
3	energy conservation	Solar & LED	29	2.9			
4	RWH system	RWH tanks	47	2.5			
5	green belt	Landscaping	55	11			
<b>51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)</b>							
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
<b>52.Any Other Information</b>							
No Information Available							
<b>53.Traffic Management</b>							
	<b>Nos. of the junction to the main road &amp; design of confluence:</b>	The proposed project is connected by Existing 20.00 mtr wide DP road.					
<b>Parking details:</b>	<b>Number and area of basement:</b>	nil					
	<b>Number and area of podia:</b>	nil					
	<b>Total Parking area:</b>	.					
	<b>Area per car:</b>	30 sqm					
	<b>Area per car:</b>	30 sqm					
	<b>Number of 2-Wheelers as approved by competent authority:</b>	506					
	<b>Number of 4-Wheelers as approved by competent authority:</b>	• 4-Wheeler : 503 no's • Ambulance parking :12 no's • Bus parking :6 no's					
	<b>Public Transport:</b>	NA					
<b>Width of all Internal roads (m):</b>	6.00 m wide internal roads						

	<b>CRZ/ RRZ clearance obtain, if any:</b>	NA
	<b>Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries</b>	NA
	<b>Category as per schedule of EIA Notification sheet</b>	8(a)
	<b>Court cases pending if any</b>	NA
	<b>Other Relevant Informations</b>	NA
	<b>Have you previously submitted Application online on MOEF Website.</b>	Yes
	<b>Date of online submission</b>	26-05-2017

## **SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS**

Summarised in brief information of Project as below.

### **Brief information of the project by SEAC**

SEAC-AGENDA-00000000255

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

PP stated that, the proposed project is general cum multi super specialty Hospital and allied Buildings.

PP further stated that, the Mahatma Gandhi Mission Trust took over the plot admeasuring 32789.29 sqm from CIDCO for establishing the medical services in the year 1999. The plans were approved on 28.10.2002, and accordingly work of building A and B was started on site. Subsequently received amended approvals dated 16.6.2012 from NMMC with the condition to submit Environmental clearance before applying for the occupation certificate. The total plan is for hospital, medical/paramedical quarters, commercial admeasuring 65417.76 sqm.(6 buildings) PP further stated that,till that time the total construction work of 27731.93 sqm was completed. (Building A and B) and Occupation certificate for building A with total construction area of 16994.90 sqm was also received. PP further informed that,there is no construction activity undertaken thereafter.

PP stated that,the project was appraised in the 45th SEAC-II held on 3-6 March,2016 wherein it was referred to SEIAA for necessary actions on violation. As per violation notification, the proposal was submitted to EAC and subsequently to SEIAA. The case was listed in 61<sup>st</sup> SEAC II meeting held on 1/6/2018 for ToR. However it was again referred to SEIAA for necessary actions on violation. SEIAA in its 164<sup>th</sup> meeting held on 28/3/2019 referred the case to SEAC II to process the violation case for environmental damage assessment as per MoEF&CC notification dated 14.03.2017.

PP further stated that, the total plot area of the project is 32,789.29sq.m -having total construction area 65417Sq.mt. (FSI - 32,496.03sq.mt +NON FSI- 32,921.72sq.mt)

Building Name & number	Number of floors	Height (Mtrs)
Hospital Building A	Ground + 12 Upper Floors	49.65 m
Hospital Building B	Basement + Gr + 6 Upper Floors	23.75 m
Hospital Building C	2 Basement + Lower ground + Upper ground + 1st Floor	7.20 m
Paramedical Building	Stilt + 4 Upper Floors	18.55 m
Commercial Building	Ground + 4 Upper Floors	20.60 m
Residential Building	Stilt + 4 Upper Floors	15.15 m
Residential Building	Stilt + 4 Upper Floors	15.15 m

It is noted that the proposal under consideration is of violation of EIA Notification 2006 as amended and application submitted within stipulated period vide MoEF & CC Notification dated 14th March 2017 & 8th March 2018.

Department of Environment has constituted a Committee for formulating Guidelines to Consideration of proposal involving violation of EIA notification, 2006 amended till date in order to asses for the Environmental Damage and for Estimation of Remediation Costs for Building Construction Projects on similar Parameters to avoid any discrepancies. SEAC-2 has been discussed the said guidelines & accordingly committee instructed PP to carry out EIA as per below ToR & additional ToR of remediation plan and natural & community resource augmentation plan and to follow the format which was uploaded & available on website in public domain under 'Public Document of ec website (ec.mpcb.in)

## DECISION OF SEAC

After detailed deliberations on the proposal committee confirmed the case to be of violation of the EIA Notification, 2006 and as per Notification No 1030(E)/1031(E) dated 8th March, 2018 issued by the Ministry of Environment, Forest & Climate Change, **decided to issue following Term of Reference for undertaking EIA and preparation of Environment Management Plan (EMP).**

### Specific Conditions by SEAC:

- 1) PP to submit Project description, its importance and the benefits,
- 2) PP to submit Project site details (location, top sheet of the study area, coordinates, google map, layout map, land use, geological features and geo-hydrological status of the study area, drainage).
- 3) PP to submit Land use as per the approved Master Plan of the area, Permission/approvals required from the land owning agencies, Development Authorities, Local Body, Water Supply & Sewerage Board, etc.
- 4) PP to submit Baseline environmental study for ambient air (PM10, PM2.5, SO2, NOx & CO), water (both surface and ground), noise and soil as per MoEF&CC/CPCB guidelines at minimum 5 to 10 locations in the study area. PP to submit Details on flora and fauna and socio-economic aspects in the study area.
- 5) PP to submit Likely impact of the project on the environmental parameters (ambient air, surface and ground water, land, flora and fauna and socio-economic, etc),
- 6) PP to submit Waste water management (treatment, reuse and disposal) for the project and also the study area.
- 7) PP to submit Management of solid waste and the construction & demolition waste for the project vis-à-vis the Solid Waste Management Rules, and the Construction & Demolition Rules.
- 8) PP to submit real time traffic analysis report.
- 9) PP to submit chronology & chronologically building wise plan approval along with plinth completion CC date, OC date
- 10) PP to submit architect certificate regarding construction done on site along with FSI, Non FSI area.
- 11) PP to submit the timeframe & plan regarding connecting the sewer line & storm water line of the project to the Municipal network.
- 12) PP to submit the comparative statement regarding existing facilities available & proposed with respect to all environmental parameters. like sewage generation & disposal, hazardous , biomedical, radioactive waste generation & disposal. Fire fighting facilities, DMP etc.
- 13) PP to submit the details regarding department wise super speciality proposed.
- 14) PP to submit the detail plan regarding disposal of hazardous waste, biomedical waste, radioactive waste.
- 15) PP to submit Atomic Energy Regulatory Board (AERB) NoC.
- 16) PP to submit the detail design & calculation for the ETP.
- 17) PP to carry out ECBC energy calculation studies.
- 18) PP to submit the detail plan for vehicular movement.
- 19) PP to submit detail fire tender movement plan.

## FINAL RECOMMENDATION

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

## Agenda of 97th SEAC-2 Day-2 meeting held on 25th April, 2019

**SEAC Meeting number: 97th Day-2 Meeting Date April 25, 2019**

**Subject:** Environment Clearance for Proposed Expansion of Residential cum commercial project at village Ghodbunder, Dist Thane, Maharashtra by M/s Skylark Realtors Pvt. Ltd.

**Is a Violation Case:** No

<b>1.Name of Project</b>	Proposed Expansion of Residential cum commercial project at village Ghodbunder, Dist Thane, Maharashtra by M/s Skylark Realtors Pvt. Ltd.
<b>2.Type of institution</b>	TOR
<b>3.Name of Project Proponent</b>	Abhishek Khetan
<b>4.Name of Consultant</b>	M/S Building Environment (India) Pvt. Ltd Dakshina Building, Office No-401,4th Floor, Beside Raigard Bhavan, Sakal Bhavan Rd, Sector 11, CBD Belapur, Navi Mumbai, Maharashtra 400614.
<b>5.Type of project</b>	Housing project- expansion of residential and commercial development
<b>6.New project/expansion in existing project/modernization/diversification in existing project</b>	Expansion
<b>7.If expansion/diversification, whether environmental clearance has been obtained for existing project</b>	Not applicable
<b>8.Location of the project</b>	Survey No. 21/2A+2B, 22/2, 22/5, 24/3, 25/1, 26/5, 26/8(pt.), 26/9, 110/1(pt.), 110/2(pt.), 110/3, 112/2(pt.), 113/1, 113/2, 114/1, 114/3, 114/4, 114/6, 116/1, 116/2A(pt.), 116/3, 116/4, 116/5, 116/6, 116/7, 116/8, 116/9, 117/1, 117/3, 117/4, 117/5, 117/6, 118/2, 118/3, 118/4, 118/5, 118/7, 118/8, 124/3, 125/1, 125/2, 125/3, 125/4, 125/5, 125/6, 125/7, 126/1, 126/2, 126/3, 126/4, 126/5, 126/6, 127/1, 127/2, 127/3, 127/4, 127/5, 128/5A, 128/5B(pt.), 132/3, 133/1, 133/2, 133/3, 133/4, 133/5, 133/6, 133/7, 133/8, 134/1, 134/2, 134/3, 134/4, 134/5A, 134/8, 135/3(pt.), 148/1, 148/2,20/8(pt),22/1B,22/1C,22/3. Of Village Ghodbunder, Mira Road.
<b>9.Taluka</b>	Thane
<b>10.Village</b>	Ghodbandhar
<b>Correspondence Name:</b>	JP Infra Mumbai Pvt. Ltd
<b>Room Number:</b>	NIL
<b>Floor:</b>	4th Floor
<b>Building Name:</b>	Viraj Towers
<b>Road/Street Name:</b>	Western Express Highway, Near WEH Metro Station
<b>Locality:</b>	Andheri (E)
<b>City:</b>	Mumbai
<b>11.Area of the project</b>	Mira Bhyander Municipal Corporation
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	Alexa: IOD Dated 26.04.2018 No. UD/563/2018-19, Estella and Atria: IOD Dated 09.08.2017 No.UD/1834/2017-18, ELARA: IOD dated 14.07.2017 No. UD/1532/2017-18, Euphoria: IOD dated 17.04.2018 No. UD/401/2018-19 <b>IOD/IOA/Concession/Plan Approval Number:</b> Alexa: IOD Dated 26.04.2018 No. UD/563/2018-19, Estella and Atria: IOD Dated 09.08.2017 No.UD/1834/2017-18, ELARA: IOD dated 14.07.2017 No. UD/1532/2017-18, Euphoria: IOD dated 17.04.2018 No. UD/401/2018-19 <b>Approved Built-up Area:</b> 100645.24
<b>13.Note on the initiated work (If applicable)</b>	ESTELLA WING A,Wing B,Wing C,Wing D Upto 24 th Slab-Constructed Area 7415.56 Sq.mt ;ATRIA WING A ,Wing B upto 19th Slab Constructed Area 23528.34 sq.m;ELARA WING A- 1st slab tower area completed Constructed Area-1287.63 sq.m ; ELARA WING B-1st slab tower area casting will be completed on 10.08.2018 - Constructed area 1287.63
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	Total IOD Approved for : FSI Area - 100645.24 sq.m. NON-FSI Area - 114008.05 sq.m. Total Construction Area - 214653.29 sq.m.
<b>15.Total Plot Area (sq. m.)</b>	113624.00 sq.m
<b>16.Deductions</b>	23623.59 sq.m
<b>17.Net Plot area</b>	90000.41 sq.m
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> 241272.48 sq.m <b>b) Non FSI area (sq. m.):</b> 290678.99 sq.m <b>c) Total BUA area (sq. m.):</b> 531951.47

<b>18 (b).Approved Built up area as per DCR</b>	<b>Approved FSI area (sq. m.):</b> 100645.24		
	<b>Approved Non FSI area (sq. m.):</b> 114008.05		
	<b>Date of Approval:</b> 14-07-2017		
<b>19.Total ground coverage (m2)</b>	43045.07		
<b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>	47.82%		
<b>21.Estimated cost of the project</b>	9981000000		
<b>22.Number of buildings &amp; its configuration</b>			
<b>Serial number</b>	<b>Building Name &amp; number</b>	<b>Number of floors</b>	<b>Height of the building (Mtrs)</b>
1	Alexa	Stilt + 33	98.90
2	Estella And Atria	Stilt + 2 Podium + 3 to 23 Floors	69.90
3	Elara	Stilt + 2 Podium + 3 to 23 Floors	69.95
4	Euphoria	2 basement + Stilt + 33 Floors	98.90
5	Building C	Basement + Stilt + 2 podium + 21 floors	69.90
6	Building E	Basement + Stilt + 1 podium + 21 floors	68.20
7	Building D	Basement + Stilt + 1 podium + 20 floors	65.30
8	Building 9	Stilt + 33	98.90
9	School	Ground + 7	30
10	Clubhouse Big	Ground + 1 floor	9.3
11	Clubhouse	Ground + 1 floor	9.3
12	MCLP ( next to Alexa )	stilt + 12 podium	33.15
<b>23.Number of tenants and shops</b>	Flats-5955, Shops-337		
<b>24.Number of expected residents / users</b>	Residential 29775 no.s +Commercial 1396 no.s with floating 68 no.s .		
<b>25.Tenant density per hectare</b>	661		
<b>26.Height of the building(s)</b>			
<b>27.Right of way (Width of the road from the nearest fire station to the proposed building(s))</b>	18 mt & 60.00 Mtr. D.P. Road		
<b>28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation</b>	6 Mtr.		
<b>29.Existing structure (s) if any</b>	ESTELLA WING A,Wing B,Wing C,Wing D Upto 24 th Slab-Constructed Area 7415.56 Sq.mt ;ATRIA WING A ,Wing B upto 19th Slab Constructed Area 23528.34 sq.m;ELARA WING A- 1st slab tower area completed Constructed Area-1287.63 sq.m ; ELARA WING B-1st slab tower area casting will be completed on 10.08.2018 - Constructed area 1287.63		

<b>30.Details of the demolition with disposal (If applicable)</b>	Not applicable
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### 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

<b>Dry season:</b>	<b>Source of water</b>	MBMC
	<b>Fresh water (CMD):</b>	2694
	<b>Recycled water - Flushing (CMD):</b>	Flushing 1369 Car washing 28
	<b>Recycled water - Gardening (CMD):</b>	110
	<b>Swimming pool make up (Cum):</b>	5
	<b>Total Water Requirement (CMD) :</b>	4206
	<b>Fire fighting - Underground water tank(CMD):</b>	3 Lakh litres for each building
	<b>Fire fighting - Overhead water tank(CMD):</b>	25000 LITRES for Each wing
	<b>Excess treated water</b>	1907

<b>Wet season:</b>	<b>Source of water</b>	MBMC
	<b>Fresh water (CMD):</b>	2694
	<b>Recycled water - Flushing (CMD):</b>	Flushing 1369 Car washing 28
	<b>Recycled water - Gardening (CMD):</b>	0
	<b>Swimming pool make up (Cum):</b>	5
	<b>Total Water Requirement (CMD) :</b>	4096
	<b>Fire fighting - Underground water tank(CMD):</b>	3 Lakh litres for each building
	<b>Fire fighting - Overhead water tank(CMD):</b>	25000 LITRES for Each wing
	<b>Excess treated water</b>	2017

<b>Details of Swimming pool (If any)</b>	Big pool : 27 M x 8 M , Area : 210 sq.m. and depth : 1.2 M Kids Pool : 18 M x 2.5 M , Area : 52 sq.m. and depth : 0.6 M
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### 33.Details of Total water consumed

Particulars	Consumption (CMD)	Loss (CMD)	Effluent (CMD)
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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

<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	4-5m
	<b>Size and no of RWH tank(s) and Quantity:</b>	515 m <sup>3</sup>
	<b>Location of the RWH tank(s):</b>	Under ground
	<b>Quantity of recharge pits:</b>	Will be provided after ToR approval
	<b>Size of recharge pits :</b>	8 m depth 2 m width
	<b>Budgetary allocation (Capital cost) :</b>	45 lakhs
	<b>Budgetary allocation (O &amp; M cost) :</b>	2.5 lakhs
	<b>Details of UGT tanks if any :</b>	Domestic: Flushing CFO RWH

<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	West to East
	<b>Quantity of storm water:</b>	8452.97 M <sup>3</sup> /hr
	<b>Size of SWD:</b>	600 mm X 600 mm

<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	3794
	<b>STP technology:</b>	MBBR
	<b>Capacity of STP (CMD):</b>	3800 Capacity
	<b>Location &amp; area of the STP:</b>	Will be provided after ToR Approval
	<b>Budgetary allocation (Capital cost):</b>	680 Lakhs
	<b>Budgetary allocation (O &amp; M cost):</b>	75 lakhs

### 36.Solid waste Management

<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	6383.42 Tonnes .
	<b>Disposal of the construction waste debris:</b>	used for land levelling purpose; 30% will be recycled on site & remaining will be handed over to Authorised Recycles as per C&D waste Management Rule,2016will be handed as per C&D waste Management Rule,2016

<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	8.06TPD
	<b>Wet waste:</b>	6.39 TPD
	<b>Hazardous waste:</b>	nil .If generated will be handed over as per Hazardous Waste Management & Handling Rule,2016
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	0.9 TPD
	<b>Others if any:</b>	NA

<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Will be sold through local recyclers
	<b>Wet waste:</b>	will be treated in OWC
	<b>Hazardous waste:</b>	Will be sold through authorised agency
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	Will be used for green area development
	<b>Others if any:</b>	nil
<b>Area requirement:</b>	<b>Location(s):</b>	Ground floor
	<b>Area for the storage of waste &amp; other material:</b>	85 sq.m
	<b>Area for machinery:</b>	as above
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	110 Lakhs
	<b>O &amp; M cost:</b>	18 lakhs

### 37.Effluent Charecterestics

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

### 38.Hazardous Waste Details

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

### 39.Stacks emission Details

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

### 40.Details of Fuel to be used

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

<b>43.Green Belt Development</b>	<b>Total RG area :</b>	Green area : 19558.94 sq.m + Hardscape :2524 sq.m
	<b>No of trees to be cut :</b>	Nil
	<b>Number of trees to be planted :</b>	AS per local MBMC norms
	<b>List of proposed native trees :</b>	Attached
	<b>Timeline for completion of plantation :</b>	after 4 years of construction period

#### 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	Attached	Attached	Attached	Attached

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	NIL	NIL	NIL

#### 47.Energy

<b>Power requirement:</b>	<b>Source of power supply :</b>	Tata Power Limited
	<b>During Construction Phase: (Demand Load)</b>	250kva
	<b>DG set as Power back-up during construction phase</b>	NIL
	<b>During Operation phase (Connected load):</b>	21.17 MW
	<b>During Operation phase (Demand load):</b>	14.90 MW
	<b>Transformer:</b>	yes
	<b>DG set as Power back-up during operation phase:</b>	NA;Total Alternate power supply load for emergency Services of Complex / Plot in MVA ( Fire fighting System , Fire lifts , common area lighting) = 3.5 MVA
	<b>Fuel used:</b>	NIL
	<b>Details of high tension line passing through the plot if any:</b>	Nil

#### 48.Energy saving by non-conventional method:

Solar hot water  
VFD and high efficient pump for pumps, Lift and STP  
LED Light in Lift Lobbies  
Basement Ventilation by using efficient equipment & BEE Certified Motors

#### 49.Detail calculations & % of saving:



**52.Any Other Information**

No Information Available

**53.Traffic Management**

	<b>Nos. of the junction to the main road &amp; design of confluence:</b>	2
<b>Parking details:</b>	<b>Number and area of basement:</b>	2 Lvl. 20396.80
	<b>Number and area of podia:</b>	4 Lvl. 43836.15
	<b>Total Parking area:</b>	60619.46
	<b>Area per car:</b>	21.82
	<b>Area per car:</b>	21.82
	<b>Number of 2-Wheelers as approved by competent authority:</b>	1003
	<b>Number of 4-Wheelers as approved by competent authority:</b>	2778
	<b>Public Transport:</b>	5 for school
	<b>Width of all Internal roads (m):</b>	6.00 Mtr. To 9.00 Mtr
	<b>CRZ/ RRZ clearance obtain, if any:</b>	NA
	<b>Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries</b>	NA
	<b>Category as per schedule of EIA Notification sheet</b>	NA
	<b>Court cases pending if any</b>	NA
	<b>Other Relevant Informations</b>	Nil
	<b>Have you previously submitted Application online on MOEF Website.</b>	No
	<b>Date of online submission</b>	-
<b>SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS</b>		
<b>Environmental Impacts of the project</b>	-	
<b>Water Budget</b>	-	

<b>Waste Water Treatment</b>	-
<b>Drainage pattern of the project</b>	-
<b>Ground water parameters</b>	-
<b>Solid Waste Management</b>	-
<b>Air Quality &amp; Noise Level issues</b>	-
<b>Energy Management</b>	-
<b>Traffic circulation system and risk assessment</b>	-
<b>Landscape Plan</b>	-
<b>Disaster management system and risk assessment</b>	-
<b>Socioeconomic impact assessment</b>	-
<b>Environmental Management Plan</b>	-
<b>Any other issues related to environmental sustainability</b>	-
<b>Brief information of the project by SEAC</b>	

SEAC-AGENDA/0000000255

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

PP informed that, the project under consideration is proposed Expansion Housing expansion of residential and commercial development Project. PP further stated that, the total plot area of the project is 113624.00 Sq.mt. having total construction area 531951.47Sq.mt.(FSI - 241272.48 sq.mt +NON FSI- Total - 290678.99 sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Alexa	Stilt + 33	98.90
Estella And Atria	Stilt + 2 Podium + 3 to 23 Floors	69.90
Elara	Stilt + 2 Podium + 3 to 23 Floors	69.95
Euphoria	2 basement + Stilt + 33 Floors	98.90
Building C	Basement + Stilt + 2 podium + 21 floors	69.90
Building E	Basement + Stilt + 1 podium + 21 floors	68.20
Building D	Basement + Stilt + 1 podium + 20 floors	65.30
Building 9	Stilt + 33	98.90
School	Ground + 7	30
Clubhouse Big	Ground + 1 floor	9.3
Clubhouse	Ground + 1 floor	9.3
MCLP ( next to Alexa )	stilt + 12 podium	33.15

It is noted that the project earlier considered in 78<sup>th</sup> SEAC-2 Meeting held on 17-11-2018 & ToR was accorded for the same.

PP stated that, the project received Prior Environmental Clearance vide letter dated 19th September, 2017 for plot area of 88,439 Sq. m, FSI area is 1,71,857 Sq. m and total construction BUA 4,12,521.47 Sq. m. PP stated that, as on date 22.04.2019, total constructed area on site is 1,07,082.77sq.m. PP further stated that, the proposed expansion is due to addition of plot 25,185 sq.m. into original plot, totalling plot area now 1,13,624 sq.m. FSI area is 2,41,272.48 sq.m and total construction area is 5,31,951.47 sq.m. with total 12 Buildings :8 Residential Buildings,1 School building,2 Club Houses and 1 MLCP building.

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



## Agenda of 97th SEAC-2 Day-2 meeting held on 25th April, 2019

**SEAC Meeting number: 97th Day-2 Meeting Date April 25, 2019**

**Subject:** Environment Clearance for Application for Environmental Clearance for Integrated Township Project at village Shirse, Tal. Karjat, Dist- Raigad, State -Maharashtra

**Is a Violation Case:** No

<b>1.Name of Project</b>	Integrated Township Project
<b>2.Type of institution</b>	Private
<b>3.Name of Project Proponent</b>	M/s. R R Kalyankar Constructions Pvt. Ltd.
<b>4.Name of Consultant</b>	M/s. Ultra-Tech
<b>5.Type of project</b>	Integrated Township Project
<b>6.New project/expansion in existing project/modernization/diversification in existing project</b>	New project
<b>7.If expansion/diversification, whether environmental clearance has been obtained for existing project</b>	Not applicable
<b>8.Location of the project</b>	Survey No. 41, Hissa No. 2, 3, 5, Survey No.42, Hissa No. 1A, 1B, 1C, 2, 4, 5, 6A, 7B, 8, 9, 10, 11, 12, 13A, 13B, 14, 15, Survey No. 43, Hissa No. 3A, 3B, 4, 5, Survey No.44 , Hissa No. 1A, 1B, 1C, 1D, 3, Survey No.45, Hissa No. 3A, 3B, Survey No.50, Hissa No.1(p), Survey No. 54, Hissa No. 1, 2, 3,4 , 5, 6, 7, 9, 10, 11, Survey No. 55, Hissa No.1, 2, 3(p), 4, 5, 6, 7, 8, 9, 10(p), 11, 12, 13 and Survey No. 60, Hissa No.1, village Shirse, Tal. Karjat, Dist- Raigad, State -Maharashtra.
<b>9.Taluka</b>	Karjat
<b>10.Village</b>	Shirse
<b>Correspondence Name:</b>	M/s. R R Kalyankar Constructions Pvt. Ltd.
<b>Room Number:</b>	803
<b>Floor:</b>	Not Applicable
<b>Building Name:</b>	Cosmos
<b>Road/Street Name:</b>	Sector 11
<b>Locality:</b>	CBD Belapur (E)
<b>City:</b>	Navi Mumbai
<b>11.Area of the project</b>	Joint Director / ADTP Raigad, Town Planning
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	Received Letter of Intent (LOI) from Office of Collector and District Magistrate, Alibaug District Raigad dt. 25.04.2017 <b>IOD/IOA/Concession/Plan Approval Number:</b> Govt. of Maharashtra/LNA1(B)/460218/2017 <b>Approved Built-up Area:</b> 798073.18
<b>13.Note on the initiated work (If applicable)</b>	Not Applicable
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	Received Location Clearance (LC) from Urban Development Department, Mantralaya on 11th September, 2014 in respect of an area which includes lands admeasuring about 46.94 Ha. Renewal of location clearance received dt. 3rd June, 2017. Letter of Intent (LOI) is also received from Office of Collector and District Magistrate, Alibaug District Raigad dt. 25.04.2017
<b>15.Total Plot Area (sq. m.)</b>	4, 69,454.81 Sq.mt.
<b>16.Deductions</b>	1,852.98 Sq.mt.
<b>17.Net Plot area</b>	4,67,601.83 Sq.mt.
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> 7,97,865.60 Sq. mt. <b>b) Non FSI area (sq. m.):</b> 3,81,004.21 Sq. mt. <b>c) Total BUA area (sq. m.):</b> 1178869.81
<b>18 (b).Approved Built up area as per DCR</b>	<b>Approved FSI area (sq. m.):</b> 7,98,073.18 sq.mt. <b>Approved Non FSI area (sq. m.):</b> 3, 81,004.21 sq.mt. <b>Date of Approval:</b> 22-01-2019
<b>19.Total ground coverage (m2)</b>	1, 14,549.44 Sq.mt.

<b>20.Ground-coverage Percentage (%)</b> (Note: Percentage of plot not open to sky)	24 %
<b>21.Estimated cost of the project</b>	18880000000

## 22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Phase 1- Residential Building No. 1	Ground + 5 Podia + 30 Upper Floors	102.60
2	Phase 1- Residential Building No. 2	Ground + 5 Podia + 27 Upper Floors	94.05
3	Phase 1- Residential Building No. 3	Ground + 4 Podia + 22 Upper Floors	77.70
4	Phase 1- Residential Building No. 4	Ground + 2 Podia + 22 Upper Floors	66.00
5	Phase 1- Residential Building No. 5	Ground + 2 Podia + 22 Upper Floors	65.55
6	Phase 1- Residential Building No. 6	Ground + 3 Podia + 22 Upper Floors	74.10
7	Phase 1- Residential Building No. 18	Ground + 2 Podia + 25 Upper Floors	76.95
8	Phase 1- Residential Building No. 19	Ground + 4 Podia + 24 Upper Floors	83.40
9	Phase 1- Social Housing LIG Building	Ground + 3 Podia + 25 Upper floors	83.40
10	Phase 1- Economical Weaker Section (EWS) scheme	Ground + 4 Podia + 24 Upper Floors	83.40
11	Phase 1 - Social Housing Community Centre	--	--
12	Phase 1- Commercial Centre 2	Lower Ground + Ground + 16 Upper Floor	56.85
13	Phase 1- School 1	Ground+ 6 Upper Floors	25.65
14	Phase 1- Police Station	Ground Floors	3.30
15	Phase 1- Fire Station 1	Ground + 1 Floor	6.60
16	Phase 1 - Auto & Bus Depot. 1	Ground Floor	--
17	Phase 1 - Open Market 1, 2 & 5	Ground Floor	--
18	Phase 1 - Multi-level Parking Lot	Ground + 5 Upper Floors	17.40
19	Phase 1 - Security Cabin	Ground Floor	--
20	Phase 1 - City Management Office	Ground + 1 Floor	6.60
21	Phase 2 - Residential Building No. 7	Ground + 3 Podia + 30 Upper Floors	96.90
22	Phase 2 - Residential Building No. 8	Ground + 3 Podia + 28 Upper Floors	91.20
23	Phase 2 - Residential Building No. 9	Ground + 2 Podia + 22 Upper Floors	65.55
24	Phase 2 - Residential Building No. 10	Ground + 4 Podia + 22 Upper Floors	71.25
25	Phase 2 - Club House	Ground + 4 Floors	18.60
26	Phase 2 - Villa Type A	Ground + 1 Floor	7.20
27	Phase 2 - Villa Type B1	Lower Ground + Ground	7.20

28	Phase 2 - Villa Type C	Ground + 1 Floor	7.20
29	Phase 2 - Hospital	Ground + 7 Upper Floors	26.55
30	Phase 2 - School 2	Ground + 3 Floors	15.15
31	Phase 2 - Open Market 4	Ground Floor	--
32	Phase 2 - Temple	Ground Floor	--
33	Phase 3 - Residential Building No.11	Ground + 4 Podia + 30 Upper Floors	91.20
34	Phase 3 - Residential Building No.12	Ground + 4 Podia + 22 Upper Floors	76.95
35	Phase 3 - Residential Building No.13	Ground + 4 Podia + 30 Upper Floors	88.25
36	Phase 3 - Residential Building No.14	Ground + 5 Podia + 22 Upper Floors	79.80
37	Phase 3 - Villa Type B1	Lower Ground + Ground	7.20
38	Phase 3 - Villa Type C	Ground + 1 Floor	7.20
39	Phase 3 - Community Centre	Lower Ground + Ground + 14 Upper Floors	56.35
40	Phase 3 - Open Market 3	Ground Floor	--
41	Phase 4 - Residential Building No.15	Ground + 6 Podia + 28 Upper Floors	99.75
42	Phase 4 - Residential Building No.16	Ground + 4 Podia + 22 Upper Floors	65.55
43	Phase 4 - Residential Building No.17	Ground + 3 Podia + 28 Upper Floors	82.65
44	Phase 4 - Villa Type B2	Lower Ground 2+ Lower Ground 1 + Ground	10.80
45	Phase 4 - Villa Type B1	Lower Ground + Ground	7.20
46	Phase 4 - Villa Type D	Ground + 1 Floor	7.20
47	Phase 4 - Villa Type B	Ground + 1 Floor	7.20
48	Phase 3 - Commercial Centre 3	Ground + 6 Upper Floors	23.00
49	Phase 3 - Commercial Centre 4	Ground Floor	3.6
50	Phase 4 - Auto & Bus Depot. 2	Ground Floor	--
51	Phase 5- Commercial Centre 1	Ground + 27 Upper Floors	87.60
52	Phase 5- Commercial Centre 5	Ground Floor	--
53	Phase 5-Villa Type A & B	Ground + 1Floor	7.20
54	Phase 5-Villa Type B2	Lower Ground 2+ Lower Ground 1+ Ground	10.80
55	Phase 5-Villa Type D	Ground + 1 Floor	7.20
56	Phase 5-Indoor Studio	Ground + 3 Floors	18.60
57	Phase 5-Resort	Lower Ground + Ground + 5 Upper Floors	22.20
58	Phase 5-Villa Cottage	Ground Floor	10.8
59	Phase 5-Deluxe Cottage	Ground Floor	6.3
60	Phase 5-SPA & Gym	Ground + 1 Floor	6.00
61	Phase 5-Fire Station 2	Ground Floor	--
62	Phase 5-Open Market 6	Ground Floor	--

<b>23.Number of tenants and shops</b>	Residential Flats - 10880Nos. (Including EWS & LIG), Shops - 160 Nos., Villa - 155 Nos., Social Housing Community Center, Community Center, Commercial Center - 5 Nos. (Departmental Store & Offices), School - 2 Nos., Hospital, Police Station, Auto & Bus Depot - 2 Nos., Open Market - 6 Nos., Multilevel Parking lot, Fire Station - 2 Nos., City management office, Club House, Indoor Studio, Resort, Cottage, Spa & Gym.
<b>24.Number of expected residents / users</b>	93277 Nos.
<b>25.Tenant density per hectare</b>	268 / hectare
<b>26.Height of the building(s)</b>	
<b>27.Right of way (Width of the road from the nearest fire station to the proposed building(s))</b>	Existing 18.00 mt. wide Karjat-Kondiwade road
<b>28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation</b>	9.00 mt.
<b>29.Existing structure (s) if any</b>	The site is an open land except few existing structures like dilapidated farm house (Ground floor structure along with outhouse shed and security cabin)
<b>30.Details of the demolition with disposal (If applicable)</b>	Demolition debris shall be partly recycled for backfilling and partly handed over to recyclers.

### 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

<b>Dry season:</b>	<b>Source of water</b>	Maharashtra Jeevan Pradhikaran (MJP) / Tanker Water of potable quality
	<b>Fresh water (CMD):</b>	5276 KLD
	<b>Recycled water - Flushing (CMD):</b>	2954 KLD
	<b>Recycled water - Gardening (CMD):</b>	455 KLD
	<b>Swimming pool make up (Cum):</b>	32 KLD
	<b>Total Water Requirement (CMD) :</b>	8717 KLD
	<b>Fire fighting - Underground water tank(CMD):</b>	8000 KL
	<b>Fire fighting - Overhead water tank(CMD):</b>	4545 KL
	<b>Excess treated water</b>	3049 KLD

<b>Wet season:</b>	<b>Source of water</b>	Maharashtra Jeevan Pradhikaran (MJP) / Tanker Water of potable quality
	<b>Fresh water (CMD):</b>	5276 KLD (From MJP : 4939+ From RWH tanks : 337)
	<b>Recycled water - Flushing (CMD):</b>	2954 KLD
	<b>Recycled water - Gardening (CMD):</b>	NA
	<b>Swimming pool make up (Cum):</b>	32 KLD
	<b>Total Water Requirement (CMD) :</b>	8262 KLD
	<b>Fire fighting - Underground water tank(CMD):</b>	8000 KL
	<b>Fire fighting - Overhead water tank(CMD):</b>	4545 KL
	<b>Excess treated water</b>	3504 KLD

<b>Details of Swimming pool (If any)</b>	Swimming pool volume - 2255 m3 Swimming pool make up water requirement: 32 KL
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### 33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	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

<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	10 mt. - 15 mt. below ground level
	<b>Size and no of RWH tank(s) and Quantity:</b>	5 RWH tanks of total capacity 1765 KL and provision of water pond of capacity 10656 KL
	<b>Location of the RWH tank(s):</b>	Underground
	<b>Quantity of recharge pits:</b>	Nil
	<b>Size of recharge pits :</b>	Nil
	<b>Budgetary allocation (Capital cost) :</b>	Rs. 830 .00 Lacs
	<b>Budgetary allocation (O &amp; M cost) :</b>	Rs. 34.27 Lacs/annum
	<b>Details of UGT tanks if any :</b>	Location(s) of the UGT tank(s): Underground

<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	In a present scenario overland runoff from the plot is disposed into an existing natural stream passing parallel to the South side of the plot. It is proposed to collect overland flow and sub plots runoff into road side drains. Runoff from the road side drains is proposed to be disposed into an existing natural stream.
	<b>Quantity of storm water:</b>	Total runoff contributing from plot after development: 12.53 m3/sec
	<b>Size of SWD:</b>	14.73 m3/sec
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	7175 KLD
	<b>STP technology:</b>	MBBR (Moving Bed Bio Reactor) technology followed by Phytoroid Technology
	<b>Capacity of STP (CMD):</b>	11 Nos. of STPs of total capacity 7735 KL and 1 ETP of capacity 100 KL
	<b>Location &amp; area of the STP:</b>	Underground
	<b>Budgetary allocation (Capital cost):</b>	Rs. 1866.35 Lacs
	<b>Budgetary allocation (O &amp; M cost):</b>	Rs. 341.26 Lacs/annum
<b>36.Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	Excavated material will be fully reused on site for backfilling purpose and therefore cut-fill is balanced. Storage will be done in adjacent earmarked playground in each phase.
	<b>Disposal of the construction waste debris:</b>	Construction waste material shall be partly recycled and remaining shall be disposed to the authorized land fill site with permission of local authority
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	16434 kg/day
	<b>Wet waste:</b>	10956 kg/day
	<b>Hazardous waste:</b>	--
	<b>Biomedical waste (If applicable):</b>	56.3 Kg/day
	<b>STP Sludge (Dry sludge):</b>	1073 Kg/day
	<b>Others if any:</b>	E - waste (Kg/annum): 12133
<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Shall be handed over to an Agency named as Thane Waste-Tech & Recyclers Private Limited
	<b>Wet waste:</b>	Treatment in Biomethanation Plant
	<b>Hazardous waste:</b>	--
	<b>Biomedical waste (If applicable):</b>	Disposal as per Bio-Medical Waste Management Rules, 2016
	<b>STP Sludge (Dry sludge):</b>	As manure
	<b>Others if any:</b>	E - waste: To authorized recyclers
<b>Area requirement:</b>	<b>Location(s):</b>	Ground
	<b>Area for the storage of waste &amp; other material:</b>	2563 Sq.mt.
	<b>Area for machinery:</b>	--

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs. 788.00 Lacs (Cost for treatment of biodegradable garbage)					
	<b>O &amp; M cost:</b>	Rs. 15.36 Lacs/annum (Cost for treatment of biodegradable garbage)					
<b>37.Effluent Charecterestics</b>							
<b>Serial Number</b>	<b>Parameters</b>	<b>Unit</b>	<b>Inlet Effluent Charecterestics</b>	<b>Outlet Effluent Charecterestics</b>	<b>Effluent discharge standards (MPCB)</b>		
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable		
Amount of effluent generation (CMD):		94 KLD					
Capacity of the ETP:		100 KL					
Amount of treated effluent recycled :		84 KLD					
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					
<b>38.Hazardous Waste Details</b>							
<b>Serial Number</b>	<b>Description</b>	<b>Cat</b>	<b>UOM</b>	<b>Existing</b>	<b>Proposed</b>	<b>Total</b>	<b>Method of Disposal</b>
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>39.Stacks emission Details</b>							
<b>Serial Number</b>	<b>Section &amp; units</b>	<b>Fuel Used with Quantity</b>	<b>Stack No.</b>	<b>Height from ground level (m)</b>	<b>Internal diameter (m)</b>	<b>Temp. of Exhaust Gases</b>	
1	DG set	--	--	--	--	--	
<b>40.Details of Fuel to be used</b>							
<b>Serial Number</b>	<b>Type of Fuel</b>	<b>Existing</b>		<b>Proposed</b>		<b>Total</b>	
1	--	--		--		--	
41.Source of Fuel		--					
42.Mode of Transportation of fuel to site		--					
<b>43.Green Belt Development</b>							
<b>Total RG area :</b>		59106.21 sq.mt.					
<b>No of trees to be cut :</b>		320 Nos.					
<b>Number of trees to be planted :</b>		6300 Nos.					
<b>List of proposed native trees :</b>		As mentioned below					
<b>Timeline for completion of plantation :</b>		Before completion of project					
<b>44.Number and list of trees species to be planted in the ground</b>							
<b>Serial Number</b>	<b>Name of the plant</b>	<b>Common Name</b>	<b>Quantity</b>		<b>Characteristics &amp; ecological importance</b>		

1	<i>Albizia lebbek</i>	Shirish	415	Shady tree, yellowish green fragrant flowers, fast growing tree, soil moisture remains high under lebbek as it provides dense canopy
2	<i>Neolamarckia cadamba</i>	Kadamba	425	It is a quick growing , large traffic like spreading branches, its fragment orange flowers attracts pollinators, it helps in improving physical and chemical properties of soil, Shady, large tree, ball shaped flowers. It acquires profitable medicinal and commercial properties
3	<i>Pongamia pinnata</i>	Karanj	180	It has large canopy which spreads equally wide, It has potential to grow in salt water soil, drought-tolerant
4	<i>Ficus amplissima</i>	Pipar	195	It is evergreen tree with a widely spreading crown. The tree is sometimes harvested from the wild for its wood.
5	<i>Azadirachta indica</i>	Neem tree	195	Large tree, fast-growing evergreen tree, drought resistance, Medicinal properties, good for roadside plantation
6	<i>Albizia procera</i>	Kawath/Wood Apple	310	It is a large, fast-growing tree with an open canopy that is almost evergreen but becomes leafless for a short time in the dry season. Harvested for timber also it is an ornamental tree
7	<i>Oroxylum indicum</i>	Tetu Tree	420	An ornamental for its strange appearance. The flowers are reddish- purple outside and pale, spinkish -yellow within, numerous, in large erect racemes. The fruits are flat capsules
8	<i>Mimusops elengi</i>	Bakul	425	Shady medium-sized evergreen tree, small white fragrant flowers, Its timber is valuable, the fruit is edible, and it is used in traditional medicine.
9	<i>Madhuca longifolia</i>	Moha	240	It is a fast-growing tree that grows to approximately 20 meters in height, possesses evergreen or semi-evergreen foliage.
10	<i>Delonix regia</i>	Gulmohar	730	Grown as an ornamental tree, Shady trees, orange-red petals attracts birds and petals. It is planted as an ornamental tree.
11	<i>Millingtonia hortensis</i>	The Indian cork tree	250	It grows upto 18 to 25 m high and leaves upto 40 years. It grows well in various soil types. White pleasant fragrant flowers. Birds fed on its fruit.
12	<i>Erythrina variegata</i>	Indian coral tree	301	It is a drought resistant tree. Flowers are pollinated by birds.
13	<i>Schizolobium parahyba</i>	Guapuruvu tree	50	A magnificent, fast growing ornamental normally tall tree.

14	Cassia fistula	Amaltas/Golden Shower Tree	90	Is widely grown as an ornamental plant. Growth for this tree is best in full sun on well-drained soil; it is relatively drought tolerant and slightly salt tolerant. It attracts bees and butterflies for pollination.
15	Jjacaranda mimosifolia	Neeli gulmohar	230	The Jacarandas are impressive trees in May when covered with clusters of blue tubular flowers. The ground below them turns rapidly blue, and some gardeners might object to that quantity of litter.
16	Terminalia elliptica	Ain	100	The wood is used for furniture, cabinetwork, joinery, paneling, specialty items, boat-building, railroad cross-ties (treated), and decorative veneers.
17	Pterocarpus marsupium	Bija	120	Parts of the Indian kino (heartwood, leaves, flowers) have long been believed to have medicinal properties in Ayurveda
18	Catalpa bignonioides	Indian bean tree	100	Indian Bean Tree is a medium-sized deciduous tree growing up to 15-18 m tall. The bright green leaves appear late and as they are full grown before the flower clusters open, add much to the beauty of the blossoming tree
19	Ficus microcarpa	Nandruk	305	Evergreen tree to 15 m (50 ft) or more in height, with a rounded dense crown, smooth gray bark, milky sap, and long, thin, dangling aerial roots. Fast-growing, able to survive in little or no soil when young; seedlings and saplings found in rain gutters, building crevices, sidewalk cracks, and on rocks Planted as ornamental
20	Mimusops elengi	Bakul	175	Shady medium-sized evergreen tree, small white fragrant flowers, Its timber is valuable, the fruit is edible, and it is used in traditional medicine.
21	Eucalyptus globulus	Eucalyptus	165	Evergreen tree grows upto 60 mt. Its flowers attracts insects, birds & bats. All parts of its used to prepare dyes. Its wood is used to prepare musical instruments. Possess medicinal properties
22	Sapindus laurifolius	Ritha/Indian Soapberry	175	Soapnut large tree, it is popular as a traditional washing soap
23	Buchnanina Cochinchinesis	Charoli	175	It is a deciduous tree which produces seeds edible by humans. It is known as charoli. These almond - flavored seeds are used as a cooking spice primarily in India

24	Butea monosperma	Flame of the forest	150	Bright orange-red flowers, it is used for timber, resin, fodder, medicine, and dye, the wood is dirty white and soft and, being durable under water, is used for well-curbs and water scoops. Good charcoal can be made from it.
25	Tabebuia impetiginosa	Pink trumpet tree	185	It is evergreen trees with silvery foliage and deeply furrowed, silvery bark on picturesque, contorted branches and trunk. It is highly drought tolerance.
26	Garcinia indica	Kokam Tree	180	Health benefits of include its ability to reduce allergic reactions, optimize digestion, protect the skin, boost the immune system, and relieve pain. The most important health benefits its ability to speed wound healing, prevent chronic disease, reduce allergic reactions
27	Lagerstroemia speciosa	Pride of India	32	Small to medium sized deciduous tree. Leaves opposite, narrowly elliptic, young leaves pubescent beneath, mature leaves glabrous on both sides. Flowers white, fragrant in terminal panicles
28	Saraca asoca	Sita Ashok	30	It is small evergreen tree
29	Caesalpinia pulcherrima	Son chafa	30	large evergreen tree, fragrant flowers, timber used in woodworking
30	Cochlospermum religiosum	Yellow silk cotton tree	35	A large deciduous tree
31	Syzygium cumini	Jamun	30	associated with many health and medicinal benefits. The black plum is known to relieve stomach pain, carminative, anti-scorbutic and diuretic
32	Dalbergia sissoo	Indian rose wood	32	deciduous or nearly evergreen tree, important commercial timber.
<b>45.Total quantity of plants on ground</b>				

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

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

**47.Energy**

<b>Power requirement:</b>	<b>Source of power supply :</b>	Maharashtra State Electricity Distribution Company Limited (MSEDCL)
	<b>During Construction Phase: (Demand Load)</b>	150 KW
	<b>DG set as Power back-up during construction phase</b>	As per requirement
	<b>During Operation phase (Connected load):</b>	44685 KW
	<b>During Operation phase (Demand load):</b>	26811 KW
	<b>Transformer:</b>	68 Nos of 630 kVA each
	<b>DG set as Power back-up during operation phase:</b>	16 DG sets of 400 kVA each, 28 DG sets of 500 kVA each, 1 DG set of 100 kVA, 4 DG sets 250 kVA each,1 DG set of 50 KVA,12 DG sets of 600 kVA each,1 DG set of 62.5 kVA ,1 DG set of 150 kVA
	<b>Fuel used:</b>	Diesel
	<b>Details of high tension line passing through the plot if any:</b>	Not Applicable

#### 48. Energy saving by non-conventional method:

- Provision of Solar PV Panels (to cater 1 % of demand load)
- Provision of solar water heating system to cater 20 % of hot water demand
- Street area lights based on Biogas generator
- Provision of LED lights and other conventional energy saving measures.

#### 49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Overall energy saving	Phase 1: 23%, Phase 2: 24%, Phase 3 : 23%, Phase 4: 22%, Phase 5: 26%
2	Saving due to renewable energy	Phase 1 : 8%, Phase 2 : 7%, Phase 3 : 7%, Phase 4: 7%, Phase 5: 4%

#### 50. Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Sewage	--	Sewage Treatment Plant (STP)
Solid waste	--	Biomethanation plant

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs. 568.43 Lacs (Solar system)
	<b>O &amp; M cost:</b>	Rs. 16.87 Lacs/annum (Solar system)

### 51. Environmental Management plan Budgetary Allocation

#### a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Dust suppression	56.16
2	Air Environment- Air and Noise quality	Sensors for Air quality & Noise level monitoring	16.50

3	Air Environment- Air and Noise quality	By outside MoEF & CC Approved Laboratory & EMP for batching Plant	8.58
4	Air Environment	EMP for Batching plant	1.61
5	Water Environment	Drinking water analysis	0.39
6	Water Environment	RO Plant	10.00
7	Land Environment	Site Sanitation	10.00
8	Health & Hygiene	Disinfection- Pest Control	15.60
9	Health & Hygiene	First Aid Facility	0.15
10	Health & Hygiene	Health-check-up of workers	117.00
11	Health & Hygiene	Drinking water for workers	140.40
12	Cost towards disaster management	--	565.54

**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 AND NOISE ENVIRONMENT- Cost for plantation	On site sensors	No set up cost is involved as already considered Construction Phase	0.50
2	AIR AND NOISE ENVIRONMENT- Cost for Ambient air & Noise Monitoring	By outside MoEF & CC Approved Laboratory	*No set up cost is involved	0.33
3	AIR AND NOISE ENVIRONMENT- Cost for Ambient air & Noise Monitoring	37 nos. of stacks	No set up cost is involved	0.89
4	Cost for DG Stack Exhaust Monitoring	77701.62 Sq.mt. of RG area on ground & podium	427.36	6.00
5	WATER ENVIRONMENT- Cost for Waste water Monitoring	Cost for Sewage Treatment Plant	1381.85	303.94
6	WATER ENVIRONMENT- Cost for Waste water Monitoring	Cost for Phytoid Technology	36.50	6.00
7	WATER ENVIRONMENT- Cost for Waste water Monitoring	Cost for holding pond for treated sewage	200.00	12.00
8	WATER ENVIRONMENT - Cost for Waste water Monitoring	Cost for pipeline from STP to holding pond	20.00	3.00

9	WATER ENVIRONMENT- Cost for Waste water Monitoring	Cost for pipeline from holding pond to Places identified by KMC	At actual	--
10	WATER ENVIRONMENT- Cost for Waste water Monitoring	Cost for ETP for Hospital	12.00	4.00
11	WATER ENVIRONMENT - Cost for waste water treatment	On site sensors	216.00	12.00
12	WATER ENVIRONMENT- Cost for waste water treatment	By outside MoEF & CC Approved Laboratory	No set up cost is involved	0.32
13	WATER ENVIRONMENT- Water Conservation (Rain Water Harvesting System)	Cost for RWH tanks	200.00	3.00
14	WATER ENVIRONMENT- Water Conservation (Rain Water Harvesting System)	Cost for treatment unit for Rain Water collected in tanks	30.00	6.00
15	WATER ENVIRONMENT- Water Conservation (Rain Water Harvesting System)	Cost for RWH pond	550.00	15.00
16	WATER ENVIRONMENT- Water Conservation (Rain Water Harvesting System)	Cost for treatment unit for Rain Water collected in pond	50.00	10.00
17	WATER ENVIRONMENT- Water Conservation (Rain Water Harvesting System)	Cost for Rainwater Monitoring	No set up cost is involved	0.27
18	WATER ENVIRONMENT- Water Conservation (Rain Water Harvesting System)	Cost for water treatment plant	400.00	8.00
19	LAND ENVIRONMENT - Solid Waste Management	Cost for Treatment of biodegradable garbage in Biogas Plant	788.00	15.36
20	ENERGY CONSERVATION - Use of renewable energy	Solar PV panels and Water heating system	568.43	16.87
21	Cost towards Disaster management	--	7685.00	336.50
22	Cost for pipeline from holding pond to Places identified by KMC	--	At actual	--

## 51.Storage of chemicals (inflammable/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

	<b>Nos. of the junction to the main road &amp; design of confluence:</b>	Three entry & exit
<b>Parking details:</b>	<b>Number and area of basement:</b>	Nil
	<b>Number and area of podia:</b>	Number of podia : As mentioned in the project proposal
	<b>Total Parking area:</b>	--
	<b>Area per car:</b>	--
	<b>Area per car:</b>	--
	<b>Number of 2-Wheelers as approved by competent authority:</b>	2W - 35079 Nos., Cycle - 35598 Nos.
	<b>Number of 4-Wheelers as approved by competent authority:</b>	5646 Nos.
	<b>Public Transport:</b>	Public Bus: 12 Nos, School Bus: 9 Nos., Auto: 15 Nos., Ambulance: 2 Nos.
	<b>Width of all Internal roads (m):</b>	minimum 6.00mt.
	<b>CRZ/ RRZ clearance obtain, if any:</b>	Not Applicable
	<b>Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries</b>	Project site is located at Shirse village which is not listed under ESA of Matheran as per notification dt. 04.02.2003 and amended notification dt. 16.04.2004. But details of nearest boundary of Eco sensitive zone of Matheran at Bhisegaon: Approx. 2.00 Km
	<b>Category as per schedule of EIA Notification sheet</b>	Category 8 (b) B1
	<b>Court cases pending if any</b>	Not Applicable

	<b>Other Relevant Informations</b>	--
	<b>Have you previously submitted Application online on MOEF Website.</b>	Yes
	<b>Date of online submission</b>	24-01-2018

## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

**Brief information of the project by SEAC**

SEAC-AGENDA-0000000255