

## Agenda of 96th Meeting of State Expert Appraisal Committee (SEAC-2)


**SEAC Meeting number: 96 Meeting Date April 15, 2019**

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

**Is a Violation Case:** No

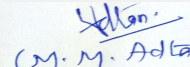
1.Name of Project	AARADHYA HIGH PARK
2.Type of institution	Private
3.Name of Project Proponent	M/s. Man Vastucon LLP
4.Name of Consultant	Enviro Analysts & Engineers Pvt. Ltd.
5.Type of project	Residential cum Commercial project
6.New project/expansion in existing project/modernization/diversification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

## 22.Number of buildings & its configuration

  
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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)	
1	Phase I: Tower A, B, C, D, E, F	2 Basements + Ground + 1 Podium + Top Podium + 30 Upper Floors	101.70 m	
2	Phase I: Building G	Stilt + 3 Upper Floor	12.0 m	
3	Phase I: Building H	Ground Floor + 1 Upper Floor	7.65 m	
4	Phase I: Building I	Ground Floor + 4pt	15.0 m	
5	Phase I: Building J	1 Basement + Ground Floor + 3pt	14.95 m	
<b>23.Number of tenants and shops</b>	Tenants: 1240 no's Shops: 40 no's			
<b>24.Number of expected residents / users</b>	6383 no's			
<b>25.Tenant density per hectare</b>	178 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>	30 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>	9 m min.			
<b>29.Existing structure (s) if any</b>	Electrical Substation to be retained			
<b>30.Details of the demolition with disposal (If applicable)</b>	NA			
<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>				

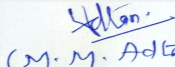
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Dry season:	Source of water	MBMC, Recycled water from STP and RWH							
	Fresh water (CMD):	559							
	Recycled water - Flushing (CMD):	281							
	Recycled water - Gardening (CMD):	39							
	Swimming pool make up (Cum):	-							
	Total Water Requirement (CMD) :	879							
	Fire fighting - Underground water tank(CMD):	900							
	Fire fighting - Overhead water tank(CMD):	180							
	Excess treated water	385 KLD							
Wet season:	Source of water	MBMC, Recycled water from STP							
	Fresh water (CMD):	559							
	Recycled water - Flushing (CMD):	281							
	Recycled water - Gardening (CMD):	0							
	Swimming pool make up (Cum):	-							
	Total Water Requirement (CMD) :	840							
	Fire fighting - Underground water tank(CMD):	900							
	Fire fighting - Overhead water tank(CMD):	180							
	Excess treated water	424 KLD							
Details of Swimming pool (If any)	-								
<b>33.Details of Total water consumed</b>									
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

  
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<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	12 m
	<b>Size and no of RWH tank(s) and Quantity:</b>	Total Storage Capacity: 315 KLD and Total No. of tanks: 6 no's.
	<b>Location of the RWH tank(s):</b>	1st basement Level
	<b>Quantity of recharge pits:</b>	0
	<b>Size of recharge pits :</b>	0
	<b>Budgetary allocation (Capital cost) :</b>	Rs. 25 Lakh
	<b>Budgetary allocation (O &amp; M cost) :</b>	Rs. 3 lakh/ annum
<b>Details of UGT tanks if any :</b>	12 no's of Domestic Water Tanks. Total tank Capacity: 590 cum 2 no's of Firefighting Water Tanks. Total tank Capacity: 900 cum 6 no's of Flushing Water Tanks. Total tank Capacity: 295 cum 6 no's of Rain Water Harvesting Tanks. Total tank Capacity: 315 cum	

<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	East to West
	<b>Quantity of storm water:</b>	3.6 m3/sec
	<b>Size of SWD:</b>	0.6m × 0.9m

<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	785
	<b>STP technology:</b>	MBBR
	<b>Capacity of STP (CMD):</b>	No. of STP: 1 no. Total Capacity for Phase1: 800 KLD
	<b>Location &amp; area of the STP:</b>	Location: Ground Level. Area for Phase 1: 668.10 sqm
	<b>Budgetary allocation (Capital cost):</b>	Rs. 75 lakh
	<b>Budgetary allocation (O &amp; M cost):</b>	Rs. 10 lakh/annum

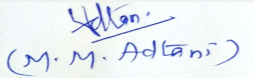
### 36.Solid waste Management

<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	Excavated Material, Top Soil Material, Road Filling Material
	<b>Disposal of the construction waste debris:</b>	It will be reused
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	1272 Kg per day
	<b>Wet waste:</b>	1874 kg per day
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	39 kg per day
	<b>Others if any:</b>	NA

  
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<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Recycling process
	<b>Wet waste:</b>	OWC
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	shall be used as landscaping
	<b>Others if any:</b>	NA
<b>Area requirement:</b>	<b>Location(s):</b>	Ground level
	<b>Area for the storage of waste &amp; other material:</b>	112 sqm
	<b>Area for machinery:</b>	10 sqm
<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. 4 Lakh

### 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

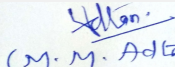
### 40. Details of Fuel to be used

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

  
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<b>43.Green Belt Development</b>	<b>Total RG area :</b>	Proposed RG area on ground: 8418.82 Sq.m
	<b>No of trees to be cut :</b>	50 no's
	<b>Number of trees to be planted :</b>	313 no's
	<b>List of proposed native trees :</b>	As listed below
	<b>Timeline for completion of plantation :</b>	Approximately 7 years


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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadirachta indica	Neem	17 no's	Helps to prevent Soil erosion, Effective shade tree.
2	Bauhinia purpurea	Purple Orchid, Kanchan	25 no's	Medium sized, Ornamental Tree, Scented flowers
3	Bauhinia blakeana	Hong Kong Orchid	7 no's	Medium sized, Ornamental Tree, Scented flowers
4	Butea Monosperma	Palash	20 no's	Medium sized deciduous tree ,Butterfly host plant
5	Delonix regia	Gulmohar	25 no's	Medium sized deciduous Tree, Medicinal uses
6	Lagerstromia Indica	Pride of India	3 no's	Medium sized deciduous tree & ornamental
7	Mimusops elengi	Bakul tree	42 no's	Large sized deciduous Tree, Ornamental uses
8	-	-	-	-
9	-	-	-	-
10	-	-	-	-
11	-	-	-	-
12	-	-	-	-
13	-	-	-	-
14	-	-	-	-
15	-	-	-	-
16	-	-	-	-
17	-	-	-	-
18	-	-	-	-
19	-	-	-	-

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

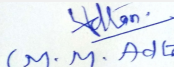
#### 46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	Bauhinia purpurea	3m	-
2	Cassia fistula	2.5m	-
3	Millettia hortensis	2m	-
4	Murraya koenigii	2.5m	-

  
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5	Nyctanthus Arborla	2.5m	-
6	Saraca indica	2.5m	-
7	Schefflera actinophylla	2m	-
8	Tamrindus indica	4.2m	-
9	Tabebuia impetiginosa	2m	-
10	Terminalia mantaly	3m	-
11	Areca catechu	3m	-
12	-	-	-

### 47. Energy

<b>Power requirement:</b>	<b>Source of power supply :</b>	Maharashtra State Electricity Distribution Company Limited
	<b>During Construction Phase: (Demand Load)</b>	500 kVA
	<b>DG set as Power back-up during construction phase</b>	125 kVA
	<b>During Operation phase (Connected load):</b>	15309 kW
	<b>During Operation phase (Demand load):</b>	4986 kW
	<b>Transformer:</b>	4 no's
	<b>DG set as Power back-up during operation phase:</b>	2 no's . 750 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:


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

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

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


### 50. Details of pollution control Systems

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

  
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<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs. 64 lakh
	<b>O &amp; M cost:</b>	Rs. 2.5 lakh/ annum

## 51.Environmental Management plan Budgetary Allocation

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

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

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

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Rain Water Harvesting	RHW tanks	Rs. 25 lakh	Rs. 3.0 lakh / year
2	Solid waste management	OWC	Rs. 16 lakh	Rs. 4.0 lakh/ year
3	Waste water management	STP	Rs. 75 lakh	Rs. 10.0 lakh / year
4	Renewable Energy and saving measures	Solar	Rs. 64 lakh	Rs. 2.5 lakh / year
5	Landscaping	Greenbelt	Rs. 150 lakh	Rs. 3.0 lakh/ year

## 51.Storage of chemicals (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

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	<b>Nos. of the junction to the main road &amp; design of confluence:</b>	1 no of entry/exit
<b>Parking details:</b>	<b>Number and area of basement:</b>	Basement Nos: 2 no's and Total Area: 15270.56 sqm
	<b>Number and area of podia:</b>	Podium Nos: Stilt + 1 Podium and Total Area: 10848.27 sqm
	<b>Total Parking area:</b>	26118.83 sqm
	<b>Area per car:</b>	26 sqm
	<b>Area per car:</b>	26 sqm
	<b>Number of 2-Wheelers as approved by competent authority:</b>	63 no's
	<b>Number of 4-Wheelers as approved by competent authority:</b>	1020 no's
	<b>Public Transport:</b>	Nil
	<b>Width of all Internal roads (m):</b>	30 m 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>	Sanjay Gandhi National Park boundary: 100 meters as per ESZ notification dated: 05/12/2016
	<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>	The project received its Terms of Reference (ToR) for all Phases development i.e. Phase I, Phase II and Phase III during the 71st SEAC-2 meeting held on, 1st October 2018 at Mumbai, Maharashtra. Now, EIA is proposed for Phase I only.
	<b>Have you previously submitted Application online on MOEF Website.</b>	No
	<b>Date of online submission</b>	-

## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorisred in brief information of Project as below.

### Brief information of the project by SEAC

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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 Residential cum Commercial project*. PP further stated that, the total plot area of the project is 71651.00 Sq.mt. having total construction area area 162750.60Sq.mt. (FSI - 73249.84 sq.mt + NON FSI- 89500.76 sq.mt) and the building configuration is as follow-

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

It is noted that the project earlier considered in 92nd Meeting held on 14-03-2019 and deferred with observation like 1) as proposed road for phase 3 passing through the other plot which is not in possession of PP, right of way through the said plot has to be submitted. Also road proposed to the south side should be aligned to proposed DP road 2) to abide by conditions laid down by National highway Authority. PP to maintain the 25 mtr strip as green area as per National highway Authority NoC 3) to submit topo sheet with legends specifying boundaries of local planning Authorities 4) to provide bio-methenation plant with expandable capacity instead of OWC 5) to revise the designs of STP with 100% opening to sky for ventilation and also to show the network of sludge collection of STP to bio-methenation plant 6) to superimpose layout plan of project on ESZ map of Sanjay Gandhi National park to verify the distance of project site from ESZ. 7) to submit & upload the same and to submit the NOC from Competent Authority regarding ESZ. Accordingly PP submitted the Compliance which was taken on record.

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

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## DECISION OF SEAC

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

### Specific Conditions by SEAC:

- 3) It is noted that, the compliance submitted for the point No.6 i.e. PP to superimpose layout plan of project on ESZ map of Sanjay Gandhi National park to verify the distance of project site from ESZ. PP submitted the google map distance. PP to superimpose layout plan of project on ESZ map of Sanjay Gandhi National park & submit the same.
- 4) Committee noted that, PP in compliance to point no 7 i.e. PP to submit the NOC from Competent Authority regarding ESZ submitted the letter dated 10th July, 2015 which was submitted by M/S Conwood Construction & Developers Pvt.Ltd. PP to clarify-
- 5) 2a- Why he has submitted the letter related to different PP i.e. M/S Conwood Construction & Developers Pvt.Ltd.
- 6) 2b) Survey No 92, 85/5 are common in both project proposal. so who is the owner of the said survey numbers.
- 7) 2c) The proposal under name "Aaradhya Arham" is the same project which was under consideration or otherwise.
- 8) 2d) Details regarding status of survey no. 92 from competent forest Authority.
- 9) PP to submit ESZ NoC.

## FINAL RECOMMENDATION

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

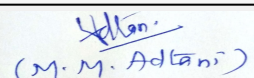
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## Agenda of 96th Meeting of State Expert Appraisal Committee (SEAC-2)

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

**Is a Violation Case:** No

<b>1.Name of Project</b>	Proposed building on plot 310, H No. 2, of village Goddev, Taluka & District Thane, by Virtuoso Realty LLP
<b>2.Type of institution</b>	Private
<b>3.Name of Project Proponent</b>	Mr. Bharat Patel by Virtuoso Realty LLP
<b>4.Name of Consultant</b>	Mr. H K Desai, Enviro Analysts and Engineers Pvt. Ltd.
<b>5.Type of project</b>	residential
<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 310, H No. 2, of village Goddev, Taluka & District Thane.
<b>9.Taluka</b>	thane
<b>10.Village</b>	Goddev
<b>Correspondence Name:</b>	Mr Bharat Patel
<b>Room Number:</b>	601
<b>Floor:</b>	NA
<b>Building Name:</b>	Senate, Aura Biplax
<b>Road/Street Name:</b>	S V Road
<b>Locality:</b>	Borivali West
<b>City:</b>	Mumbai
<b>11.Area of the project</b>	Mira Bhayandar Municipal Corporation
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	yes <b>IOD/IOA/Concession/Plan Approval Number:</b> MBMC - 4356/2017-2018 <b>Approved Built-up Area:</b> 1399
<b>13.Note on the initiated work (If applicable)</b>	Building B; Building C1, C2; Building D1, D2, building E1, E2 and Row House 1, 2, 3, 4 already constructed and occupied as per OC received dated:
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	yes
<b>15.Total Plot Area (sq. m.)</b>	12,000 sq m
<b>16.Deductions</b>	For D P: 936.26 sq m
<b>17.Net Plot area</b>	11063. 74 sq m
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> Existing FSI: 9145.29, Proposed FSI: 9092.83, Total: 18238.12 <b>b) Non FSI area (sq. m.):</b> Existing Non FSI: 3279.53 Proposed Non FSI: 4890.25, Total: 8169.78 <b>c) Total BUA area (sq. m.):</b> 26407.90
<b>18 (b).Approved Built up area as per DCR</b>	<b>Approved FSI area (sq. m.):</b> 10706.87 <b>Approved Non FSI area (sq. m.):</b> 5689.24 <b>Date of Approval:</b> 14-02-2018
<b>19.Total ground coverage (m2)</b>	7680
<b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>	64
<b>21.Estimated cost of the project</b>	500000000

## 22.Number of buildings & its configuration

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

<b>23.Number of tenants and shops</b>	Existing residential: 236 nos. Proposed Residential: 152 nos. Total residential: 388  Proposed Commercial: 46 = shops: 23 & offices 23
<b>24.Number of expected residents / users</b>	Existing Residential: 995, Proposed residential: 706, Total Residential: 1701; Proposed Commercial: 299
<b>25.Tenant density per hectare</b>	323
<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 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>	7.5 m
<b>29.Existing structure (s) if any</b>	Building B, C1, C2, D1, D2, E1, E2 and row houses 1, 2, 3, 4 are constructed and occupied
<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

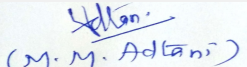
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Dry season:	Source of water	MBMC AND RECYCLED WATER							
	Fresh water (CMD):	159 KLD							
	Recycled water - Flushing (CMD):	84 KLD							
	Recycled water - Gardening (CMD):	14 KLD							
	Swimming pool make up (Cum):	NA							
	Total Water Requirement (CMD) :	257 KLD							
	Fire fighting - Underground water tank(CMD):	200 KLD							
	Fire fighting - Overhead water tank(CMD):	185 KLD							
	Excess treated water	131 KLD							
Wet season:	Source of water	MBMC AND RECYCLED WATER							
	Fresh water (CMD):	159 KLD							
	Recycled water - Flushing (CMD):	84 KLD							
	Recycled water - Gardening (CMD):	NA							
	Swimming pool make up (Cum):	NA							
	Total Water Requirement (CMD) :	243 KLD							
	Fire fighting - Underground water tank(CMD):	200 KLD							
	Fire fighting - Overhead water tank(CMD):	185 KLD							
	Excess treated water	145 KLD							
Details of Swimming pool (If any)	NA								
<b>33.Details of Total water consumed</b>									
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


  
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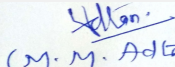
  
 (M. M. Adtani)  
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<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	3 m
	<b>Size and no of RWH tank(s) and Quantity:</b>	45 cum 1 no.
	<b>Location of the RWH tank(s):</b>	underground
	<b>Quantity of recharge pits:</b>	2 nos.
	<b>Size of recharge pits :</b>	-
	<b>Budgetary allocation (Capital cost) :</b>	5 lakhs
	<b>Budgetary allocation (O &amp; M cost) :</b>	25000
	<b>Details of UGT tanks if any :</b>	Domestic: 2 nos Flushing: 2 nos. Fire fighting: 2 nos.
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	As per the natural slope of the plot
	<b>Quantity of storm water:</b>	0.24 m <sup>3</sup> /sec
	<b>Size of SWD:</b>	0.60 m x 0.65 m
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	211 KLD
	<b>STP technology:</b>	MBBR
	<b>Capacity of STP (CMD):</b>	1 no. & 220 KLD
	<b>Location &amp; area of the STP:</b>	below ground
	<b>Budgetary allocation (Capital cost):</b>	35 lakhs
	<b>Budgetary allocation (O &amp; M cost):</b>	6 lakhs / yr
<b>36.Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	1. Empty bags: 11380 nos. 2. Steel: 1.7 MT 3. Aggregates: 3.4 MT 4. Broken tiles: 540 sq m 5. Empty Paint Cans (20 litre/ can): 427 nos
	<b>Disposal of the construction waste debris:</b>	Empty bags to be handed over to local recyclers, Steel to e handed over to local recyclers, Aggregates to be used for layering internal roads, Broken tiles to be used for terraces and empty paint cans to be sold.
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	385 kg /day
	<b>Wet waste:</b>	533 kg / day
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	10
	<b>Others if any:</b>	NA

  
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<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Will be handed over to recyclers.
	<b>Wet waste:</b>	Biodegradable waste will be processed in OWC and manure so obtained will be used for landscaping
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	WILL BE USED AS MANURE
	<b>Others if any:</b>	NA
<b>Area requirement:</b>	<b>Location(s):</b>	Ground
	<b>Area for the storage of waste &amp; other material:</b>	52 sq m
	<b>Area for machinery:</b>	5 sq m
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	8 lakhs
	<b>O &amp; M cost:</b>	2 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

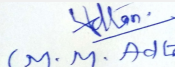
### 40. Details of Fuel to be used

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

  
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<b>43.Green Belt Development</b>	<b>Total RG area :</b>	2828.40 sq m
	<b>No of trees to be cut :</b>	NA
	<b>Number of trees to be planted :</b>	150 nos.
	<b>List of proposed native trees :</b>	as given below
	<b>Timeline for completion of plantation :</b>	before completion of the project

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Plumeria alba	champa	10	flowering
2	Tabebuia rosa	Pink triumphet	5	flowering
3	Mangifera indica	Mango	5	tropical and flowering
4	Mimusops elengi	Bakul	10	flowering
5	Cassia fistula	Bahava	15	flowering
6	Delonix regia	Gulmohar	8	evergreen
7	Melia azedarach	Indian lilac	7	Deciduous
8	Pisonia alba	Pisonia	10	ornamental
9	Polyalthia longifolia	Ashoka	5	Evergreen
10	Casuarina	Casuarina	15	Evergreen tropical
11	Bauhinia blackiana	Hong Kong Orchid Tree	10	tropical
12	Bauhinia purpurea	Kanchan	10	flowering
13	Tecoma gaudichaudi	Tecoma yellow	5	semi shady
14	MAHUA LONGIFOLIA	Mahua	10	flowering
15	Roystonea regia	Royal Palm	10	Ornamental
16	Spathodea campanulata	Spathodea	15	tropical flowering

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

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

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

#### 47.Energy

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<b>Power requirement:</b>	<b>Source of power supply :</b>	Reliance Energy
	<b>During Construction Phase: (Demand Load)</b>	80 kW
	<b>DG set as Power back-up during construction phase</b>	100 KVA
	<b>During Operation phase (Connected load):</b>	4329 kW
	<b>During Operation phase (Demand load):</b>	1316 kW
	<b>Transformer:</b>	NA
	<b>DG set as Power back-up during operation phase:</b>	1 X 320 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:

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

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

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

#### 50. Details of pollution control Systems


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

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	14 lakhs
	<b>O &amp; M cost:</b>	2 lakhs / yr

### 51. Environmental Management plan Budgetary Allocation

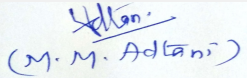
#### a) Construction phase (with Break-up):

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

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

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

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

**51.Storage of chemicals (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

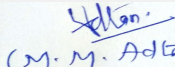
**53.Traffic Management**

Nos. of the junction to the main road & design of confluence:	2 nos.
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Parking details:	Number and area of basement:	2 level basement, 1218.9 sq m
	Number and area of podia:	NA
	Total Parking area:	2135 sq m
	Area per car:	35 sq m
	Area per car:	35 sq m
	Number of 2-Wheelers as approved by competent authority:	-
	Number of 4-Wheelers as approved by competent authority:	61 nos.
	Public Transport:	Mira Road Railway Station
	Width of all Internal roads (m):	6 m
CRZ/ RRZ clearance obtain, if any:	NA	
Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	8 km from SGNP	
Category as per schedule of EIA Notification sheet	8 a	
Court cases pending if any	NA	
Other Relevant Informations	NA	
Have you previously submitted Application online on MOEF Website.	Yes	
Date of online submission	01-01-1900	

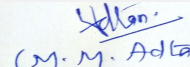
## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

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

SEAC-AGENDA-0000000250

Representative of PP was present during the meeting along with Environmental Consultant M/s. Enviro Analysts and Engineers Pvt. Ltd.

PP informed that, the project under consideration is *residential project*. PP further informed that, the development was initiated in the year 2003 - 2004 as per the plans approved earlier in 2004 and subsequently amended in 2005 & 2007. PP stated that, there were for 9 Buildings viz. A B, C1, C2, D1, D2, E1, E2, F and 4 Row Houses for the FSI area of 10,706.87 sq m Non FSI area of 5,304.21 sq mts and Total Built up area 16,011.08 sq.mts .Out of 8 of buildings 7 no's namely B, C1, C2, D1, D2, E1, E2 and 4 Row houses have been constructed and OC granted by local planning Authority i.e. MBMC. PP further stated that, the work of Building A and F is not yet started and the total constructed area till date is 12,424.82 sq mts.

PP further stated that, due to TDR, it is proposed to construct the Building A with Configuration of 2 level basement (Pit parking & service) +Gr + 22 floors and one additional Building F of configuration Gr +2 floor.

PP stated that, the total plot area of the project is 12,000 Sq.mt. having total construction area 26407.90 Sq.mt. (FSI - 18238.12 sq.mt + NON FSI- 8169.78 sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Building A	2 level basement (Pit parking & service) + Gr + 22 floors	69.95
Building B	St + 7 floors	23.27
Building C1, C2	St + 7 floors	23.27
Building D1, D2	Gr + 4 floors	14.80
Building E1, E2	Gr + 6 floors	23.50
Building F	Gr + 2 floors	10
Row House 1, 2, 3, 4	Gr + 2 floors	9

It is noted that the project earlier considered in 92<sup>nd</sup> SEAC-2 meeting held on 14-03-2019 and deferred with observations as 1) to provide paved RG around the buildings B,C1,C2,E1 & E2 for fire tender movement 2) to submit dated Architect certificate clearly mentioning work done on site specifying building wise profile, FSI, Non-FSI & total build up area along with current status. Accordingly PP Submitted the Compliance which was taken on record.

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

## DECISION OF SEAC

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

**Specific Conditions by SEAC:**

1) PP to upload the plans with FSI of 18238.12 Sq.mt area dully stamped by local planning Authority.

### **FINAL RECOMMENDATION**

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

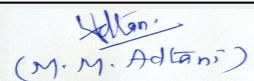
SEAC-AGENDA-0000000250



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SEAC-II)**


## Agenda of 96th Meeting of State Expert Appraisal Committee (SEAC-2)

**SEAC Meeting number: 96 Meeting Date April 15, 2019**

**Subject:** Environment Clearance for for amendment in EC for the residential complex along with the proposed composite residential building with a Municipal Public Parking Lot at Sub Plot 'B' bearing C.S. No. 1903, 1904, 1905, 1/1905, 2/1905 of Byculla Division abutting Dr. A.L. nair Road and Maula Azad Road, Jacob Circle, Mahalaxmi by Genext Hardware & Parks Pvt. Ltd.

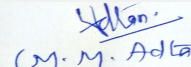
**Is a Violation Case:** No

<b>1.Name of Project</b>	Hindustan Mill
<b>2.Type of institution</b>	Private
<b>3.Name of Project Proponent</b>	Genext Hardware & Parks Pvt. Ltd. C.A to Capricon Realty Ltd.
<b>4.Name of Consultant</b>	Dr. D. A. Patil, Mahabal Enviro Engineers Pvt. Ltd.
<b>5.Type of project</b>	Residential Project along with Municipal Public Parking Lot
<b>6.New project/expansion in existing project/modernization/diversification in existing project</b>	Amendment in existing project. (Vertical expansion to residential wing of Building No.3 has been proposed)
<b>7.If expansion/diversification, whether environmental clearance has been obtained for existing project</b>	We have obtained EC u/n. SEAC-2014/CR-35/TC-1 dt. 29/09/2014 for the plot area 61,520.46 m2 and FSI area of 1,29,988.78 m2, Non FSI area of 2,58,043.03 m2 with total construction area of 3,88,031.81 m2 (Entire project).
<b>8.Location of the project</b>	Sub plot "B" bearing C.S. No. 1903, 1904, 1905, 1/1905, 2/1905 of Byculla Division abutting Dr. A. L. Nair road and Maulana Azad Road, Jacob Circle, Mahalaxmi, Maharashtra
<b>9.Taluka</b>	Mumbai
<b>10.Village</b>	Byculla Division abutting Dr. A. L. Nair road and Maulana Azad Road, Jacob Circle, Mahalaxmi
<b>Correspondence Name:</b>	-
<b>Room Number:</b>	-
<b>Floor:</b>	-
<b>Building Name:</b>	Raheja Tower
<b>Road/Street Name:</b>	Plot No. C-30, Block G, Opp SIDBI,
<b>Locality:</b>	Bandra Kurla Complex
<b>City:</b>	Bandra (East), Mumbai.
<b>11.Area of the project</b>	Municipal Corporation of Greater Mumbai (MCGM)
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	OCC for buidling no.1 issued u/no.EEBP/9527/E-A dt.18/07/2013 and OCC for building no.2 issued u./no.EB-907-E-A dt.11/02/2018 <b>IOD/IOA/Concession/Plan Approval Number:</b> OCC for buidling no.1 issued u/no.EEBP/9527/E-A dt.18/07/2013 and OCC for building no.2 issued u./no.EB-907-E-A dt.11/02/2018 <b>Approved Built-up Area:</b> 210603.62
<b>13.Note on the initiated work (If applicable)</b>	On site the work of Building No.1 having construction area of 182485.39 m2 (FSI: 65,846.16 m2) and the work of building no.2 having construction area of 65,805.90 m2 (FSI: 31,935.02 m2) has been completed. The construction area of building no.3 is upto 78,246.10 m2. Hence over all construction completed on site is 326537.40 m2.
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	OCC for buidling no.1 issued u/no.EEBP/9527/E-A dt.18/07/2013 and OCC for building no.2 issued u./no.EB-907-E-A dt.11/02/2018
<b>15.Total Plot Area (sq. m.)</b>	61,520.46 m2
<b>16.Deductions</b>	4,470.19 m2
<b>17.Net Plot area</b>	57,050.27 m2
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> 1,32,331.76 m2 (Entire Project) <b>b) Non FSI area (sq. m.):</b> 2,60,802.75 m2 (Entire Project) <b>c) Total BUA area (sq. m.):</b> 393134.51
<b>18 (b).Approved Built up area as per DCR</b>	<b>Approved FSI area (sq. m.):</b> 1,28,688.95 m2 (Entire Project) <b>Approved Non FSI area (sq. m.):</b> 2,56,764.51 m2 (Entire Project) <b>Date of Approval:</b> 11-02-2018
<b>19.Total ground coverage (m2)</b>	24,531.61 m2

  
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20. Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	43%
21. Estimated cost of the project	8356193347


## 22. Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Bldg No.1 (Tower B1, B2 & A1)	Stilt + 41 upper floors on 2 levels of podium	172.275 m
2	Bldg No. 2	2B + 2 Parking Floors + Stilts + 44 Upper Floors. (41 habitable floors + 2 fire check floors + 1 service floor)	177.65 m
3	Bldg No. 3:- Composite Bldg a) Residential Wing	2B (pt) + Gr (pt) + intermediate Parking Floor + 4 Parking Floors (pt) + 2 Parking Floors (full) + stilts + 44 Upper floors (habitable floors) + 2 fire check + 1 service floor	206.50 m
4	Bldg No. 3:- Composite Bldg b) Municipal Public Parking Lot	3B + G (pt) + 4 Upper Floors (pt). To be handed over to MCGM and 5th & 6th Floor above MPPL will be retained for Residential parking.	25.10/ 26.30 m

23. Number of tenants and shops	Bldg. 2: 110 Nos. Bldg. 3: 125 Nos.
24. Number of expected residents / users	1,540
25. Tenant density per hectare	90/Ha
26. Height of the building(s)	
27. Right of way (Width of the road from the nearest fire station to the proposed building(s))	36.60 m wide Dr. A.L. Nair Marg on West side & 27.43 m wide Maulana Azad Marg on East side
28. Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.00 m
29. Existing structure (s) if any	NA
30. Details of the demolition with disposal (If applicable)	NA

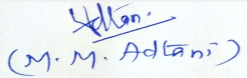
## 31. Production Details

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

  
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## 32.Total Water Requirement

<b>Dry season:</b>	<b>Source of water</b>	MCGM
	<b>Fresh water (CMD):</b>	117 KLD
	<b>Recycled water - Flushing (CMD):</b>	61 KLD
	<b>Recycled water - Gardening (CMD):</b>	33 KLD
	<b>Swimming pool make up (Cum):</b>	-
	<b>Total Water Requirement (CMD) :</b>	178 KLD
	<b>Fire fighting - Underground water tank(CMD):</b>	As per CFO NOC
	<b>Fire fighting - Overhead water tank(CMD):</b>	As per CFO NOC
	<b>Excess treated water</b>	70 KLD
<b>Wet season:</b>	<b>Source of water</b>	MCGM + RWH
	<b>Fresh water (CMD):</b>	99 KLD
	<b>Recycled water - Flushing (CMD):</b>	61 KLD
	<b>Recycled water - Gardening (CMD):</b>	-
	<b>Swimming pool make up (Cum):</b>	-
	<b>Total Water Requirement (CMD) :</b>	178 KLD
	<b>Fire fighting - Underground water tank(CMD):</b>	As per CFO NOC
	<b>Fire fighting - Overhead water tank(CMD):</b>	As per CFO NOC
	<b>Excess treated water</b>	103 KLD
<b>Details of Swimming pool (If any)</b>		

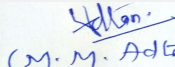
## 33.Details of Total water consumed

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


  
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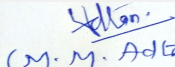
  
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<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	3 m
	<b>Size and no of RWH tank(s) and Quantity:</b>	2 Nos.of RWH tanks with 74 m3 capacity each.
	<b>Location of the RWH tank(s):</b>	Lower basement for bldg. no 2, 2nd Basement for Residential tower bldg. no 3 & 3rd basement for PPL
	<b>Quantity of recharge pits:</b>	NA
	<b>Size of recharge pits :</b>	NA
	<b>Budgetary allocation (Capital cost) :</b>	25 Lakh
	<b>Budgetary allocation (O &amp; M cost) :</b>	2 Lakh/year
	<b>Details of UGT tanks if any :</b>	Residential: 2nd Basement PPL: 3rd Basement
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	Toward East and West Side
	<b>Quantity of storm water:</b>	2980.71 m3/hr
	<b>Size of SWD:</b>	0.35 x 0.35 m, 0.45 x 0.6 m, 0.6 x 0.8 m
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	166 KLD
	<b>STP technology:</b>	MBBR Technology
	<b>Capacity of STP (CMD):</b>	3 STPs will be provided with total 220 m3 capacity i.e. 100 m3 (for bldg. No. 2), 100 m3 (for bldg No. 3) and 20 m3 for PPL
	<b>Location &amp; area of the STP:</b>	Bldg No. 2: Ground Floor, Bldg No. 3: a. Resi. Bldg: 2nd Floor Parking Lvl. & b. PPL: Ground Floor.
	<b>Budgetary allocation (Capital cost):</b>	45 Lakh
	<b>Budgetary allocation (O &amp; M cost):</b>	9 Lakh/year
<b>36.Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	Construction debris: 4,200 m3
	<b>Disposal of the construction waste debris:</b>	The construction debris will be disposed as per the "Construction and Demolition and Desilting Waste (Management and Disposal) Rules 2016.
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	268 Kg/day
	<b>Wet waste:</b>	402 Kg/day
	<b>Hazardous waste:</b>	Used oil from DG
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	2 KLD
	<b>Others if any:</b>	Household E-waste generation

  
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<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Dry garbage will be disposed off to recyclers
	<b>Wet waste:</b>	Wet garbage will be composted using Mechanical Composting unit and used as organic manure for landscaping.
	<b>Hazardous waste:</b>	Authorized recyclers
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	Sludge use as manure for gardening
	<b>Others if any:</b>	Authorized recyclers
<b>Area requirement:</b>	<b>Location(s):</b>	Ground
	<b>Area for the storage of waste &amp; other material:</b>	100 m <sup>2</sup>
	<b>Area for machinery:</b>	25 m <sup>2</sup>
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs. 12 lakh
	<b>O &amp; M cost:</b>	Rs. 6 Lakh/year

### 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

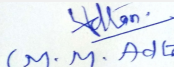
### 40. Details of Fuel to be used

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


  
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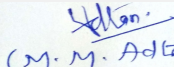
  
 (M. M. Adtani)  
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<b>43.Green Belt Development</b>	<b>Total RG area :</b>	Existing landscape: 14,426.20 m2, RG proposed on ground is 425 m2 .		
	<b>No of trees to be cut :</b>	-		
	<b>Number of trees to be planted :</b>	146 Nos.		
	<b>List of proposed native trees :</b>	As Below		
	<b>Timeline for completion of plantation :</b>	2 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	Satwin	Alstonia scholaris	25	Shady Tree, white fragrant flowers
2	Bahava	Cassia fistula	42	Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plant
3	Palas	Butea monosperma	10	Medium sized deciduous tree. Beautiful orange flowers, Butterfly host plant
4	Kadamb	Anthocephallus cadamba	13	Shady, large deciduous tree, fast-growing graceful tree, ball shaped flowers.
5	Ashoka	Polyanthia longifolia	56	Shady tree with red-yellow flowers.
<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>				

  
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<b>Power requirement:</b>	<b>Source of power supply :</b>	TATA
	<b>During Construction Phase: (Demand Load)</b>	500 kVA
	<b>DG set as Power back-up during construction phase</b>	500 kVA
	<b>During Operation phase (Connected load):</b>	10.8 MW
	<b>During Operation phase (Demand load):</b>	5.2 MW
	<b>Transformer:</b>	-
	<b>DG set as Power back-up during operation phase:</b>	• Building No. 2: 1 x 1250 kVA • Building No. 3: Resi. Bldg:1 x 1500 kVA • MPPL: 1 x 750 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:

Solar Hot water system to Residential Buildings  
Provision of Solar PV Panels

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

Serial Number	Energy Conservation Measures	Saving %
1	Total Energy Saving	22%

#### 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. 15 Lakh
	<b>O &amp; M cost:</b>	Rs,

### 51. Environmental Management plan Budgetary Allocation

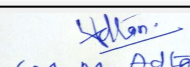
#### a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water spray for dust suppression	-	4.5
2	Site sanitation and Potable Water Supply to Labour	-	5

  
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3	Environmental Monitoring	As per the CPCB guidelines through MoEF Approved laboratories - Ambient Air-RSPM, PM2.5, SO2, NOx, CO), Noise: Leq day time and Night Time	8
4	Health check-up & first aid	-	6
5	Safety Personal Protective Equipment	Helmets, Safety Shoes, Safety Belt, Goggles, Hand Gloves etc.	10
6	Traffic Management	Sign Boards, Persons at entry exit and Parking area	4.5
7	Tyre cleaning and Vehicle maintenance	-	3
8	Storm water Management	-	4
9	Safety Training to Workers (Twice in Year), Safety Officer	-	5
10	Safety nets	-	14

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

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP (Tertiary)	Continuous O & M Environment Monitoring: Monthly, STP outlet water quality for pH, BOD, COD, SS and O & G	45	9
2	Solar System	Weekly	15	2
3	Rainwater harvesting	During rainy season (cleaning of UG tanks and filtration units before rainy season)	25	2
4	Solid Waste Composting plant	Continuous O & M Environment Monitoring: Monthly to assess the compost quality	12	6
5	Landscape	Daily	116	12

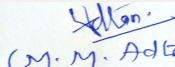
**51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)**

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

  
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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>	36.60 m wide Dr. A.L. Nair Marg on West side & 27.43 m wide Maulana Azad Marg on East side					
<b>Parking details:</b>	<b>Number and area of basement:</b>	• Building No. 2: 2 Nos. 11,738.02 m <sup>2</sup> . • Building No. 3: 3 Nos. No. of Basements: Total Area of Basements: 36342.09 m <sup>2</sup> .					
	<b>Number and area of podia:</b>	• Building No. 2: 3 Podiums with total area 10,915.1 m <sup>2</sup> . • Building No. 3:- 7 Podiums with total area 59,726.56 m <sup>2</sup> .					
	<b>Total Parking area:</b>	• Building 2 : 22653.12 m <sup>2</sup> • Building 3: Residential Parking: 29167.12 m <sup>2</sup> • Municipal Public Parking Lot: 65,631.60 m <sup>2</sup>					
	<b>Area per car:</b>	• Building 2 : 37.23 m <sup>2</sup> • Building 3 • Residential: 38.06 m <sup>2</sup> • MPPL: 48.88 m <sup>2</sup>					
	<b>Area per car:</b>	• Building 2 : 37.23 m <sup>2</sup> • Building 3 • Residential: 38.06 m <sup>2</sup> • MPPL: 48.88 m <sup>2</sup>					
	<b>Number of 2-Wheelers as approved by competent authority:</b>	2W parking provided: PPL: 258 Nos. Residential: 144 Nos.					
	<b>Number of 4-Wheelers as approved by competent authority:</b>	• Building No. 2: 327 Nos • Building No. 3 (Residential) : 352 Nos • Public Parking Lot: 1316 Cars					
	<b>Public Transport:</b>	23 Nos. of Transport vehicles					
	<b>Width of all Internal roads (m):</b>	9 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>	NA					
	<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>	<p>Environmental Infrastructure provided for Bldg. No. 1 ( B1, B2 &amp; A1 Bldgs.)</p> <ul style="list-style-type: none"> <li>• No. of Tenements: 318 Nos.</li> <li>• Water Requirement: 232 KLD (Domestic: 145 KLD + Flushing: 75 KLD + Gardening: 12 KLD)</li> <li>• Sewage generation: 176 KLD</li> <li>• STP provided: 200 KLD (SBR technology)</li> <li>• Solid waste generation: 783 kg/day (Biodegradable component is composted using mechanical composting machine &amp; Non-biodegradable component is handed over to authorized recyclers)</li> <li>• RWH Tanks: 1 tank with 63 m3 and 2 tanks with 60.5 m3 capacity</li> <li>• Connected Load: 5.7 MW</li> <li>• Demand Load: 4.8 MW</li> <li>• DG sets: 10 x 1250 kVA &amp; 3 x 500 kVA</li> <li>• Parking (4W): 718 Nos.</li> </ul> <p>The estimated project cost mentioned in item No. 21 is for Bldg. 2 &amp; 3 only.</p>
	<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>		
Summorised in brief information of Project as below.		
<b>Brief information of the project by SEAC</b>		

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

PP informed that, the project under consideration is *Residential Project along with Municipal Public Parking Lot Project - Redevelopment Type*. PP further stated that, the total plot area of the project is 61,520.46 Sq.mt. having total construction area area 393134.51 Sq.mt. (FSI - 1,32,331.76 sq.mt + NON FSI 2,60,802.75sq.mt) and the building configuration is as follow-


Building Name & number	Number of floors	Height (Mtrs)
Bldg No.1 (Tower B1, B2 & A1)	Stilt + 41 upper floors on 2 levels of podium	172.275 m
Bldg No. 2	2B + 2 Parking Floors + Stilts + 44 Upper Floors. (41 habitable floors + 2 fire check floors + 1 service floor)	177.65 m
Bldg No. 3:- Composite Bldg a) Residential Wing	2B (pt) + Gr (pt) + intermediate Parking Floor + 4 Parking Floors (pt) + 2 Parking Floors (full) + stilts + 44 Upper floors (habitable floors) + 2 fire check + 1 service floor	206.50 m
Bldg No. 3:- Composite Bldg b) Municipal Public Parking Lot	3B + G (pt) + 4 Upper Floors (pt). To be handed over to MCGM and 5th & 6th Floor above MPPL will be retained for Residential parking.	26.30 m

It is noted that the project earlier considered in 85th SEAC-2 meeting held on 19-01-2019 and deferred as PP was absent.

It is noted that, the project has received Environmental clearance in 2006 & amendment in 2014.

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.

  
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## DECISION OF SEAC

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

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

- 1) It is noted that, representative of PP not submitted the authority letter. PP to submit the same along with copy of company resolution.
- 2) PP to submit the company merger document.
- 3) PP to submit dated Architect certificate addressing to committee regarding building wise construction done on site as per EC accorded in 2006 & 2014.

## FINAL RECOMMENDATION

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

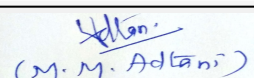
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## Agenda of 96th Meeting of State Expert Appraisal Committee (SEAC-2)

**SEAC Meeting number: 96 Meeting Date April 15, 2019**


**Subject:** Environment Clearance for Expansion of Dr. Balabhai Nanavati Hospital at Vile Parle, Mumbai

**Is a Violation Case:** No

<b>1.Name of Project</b>	Expansion of Dr. Balabhai Nanavati Hospital at Vile Parle, Mumbai
<b>2.Type of institution</b>	Private
<b>3.Name of Project Proponent</b>	Dr. Balabhai Nanavati Hospital
<b>4.Name of Consultant</b>	Aditya Environmental Services Pvt. Ltd.
<b>5.Type of project</b>	Hospital
<b>6.New project/expansion in existing project/modernization/diversification in existing project</b>	Expansion 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>	CTS number: 1403, 1403/1 to 21 and 1403/35
<b>9.Taluka</b>	Andheri
<b>10.Village</b>	Vile Parle
<b>Correspondence Name:</b>	Dr. Rajendra Patankar
<b>Room Number:</b>	-
<b>Floor:</b>	4th Floor
<b>Building Name:</b>	Dr. Balabhai Nanavati Hospital
<b>Road/Street Name:</b>	S. V. Road
<b>Locality:</b>	Vile Parle (West)
<b>City:</b>	Mumbai
<b>11.Area of the project</b>	Municipal Corporation of Greater Mumbai (MCGM)
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	CE/6538/BS-II/AK dtd 20th April 2016
	<b>IOD/IOA/Concession/Plan Approval Number:</b> CE/6538/BS-II/AK dtd 20th April 2016
	<b>Approved Built-up Area:</b> 26294.08
<b>13.Note on the initiated work (If applicable)</b>	Not Applicable
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	Not Applicable
<b>15.Total Plot Area (sq. m.)</b>	15,960.30 sq. m.
<b>16.Deductions</b>	493.19 sq. m.
<b>17.Net Plot area</b>	15,467.11 sq. m.
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> 43,925.63 sq. m.
	<b>b) Non FSI area (sq. m.):</b> 24725.59 sq. m.
	<b>c) Total BUA area (sq. m.):</b> 80609
<b>18 (b).Approved Built up area as per DCR</b>	<b>Approved FSI area (sq. m.):</b> 43,925.63 sq. m.
	<b>Approved Non FSI area (sq. m.):</b> 24725.59 sq. m.
	<b>Date of Approval:</b> 20-08-2016
<b>19.Total ground coverage (m2)</b>	6636.10 sq. m.
<b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>	41.57%
<b>21.Estimated cost of the project</b>	3842000000

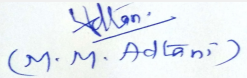
### 22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
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1	Hospital building	3 basements and Ground + 11 floors	44.85 m (up to terrace level)
<b>23.Number of tenants and shops</b>	800 bedded hospital		
<b>24.Number of expected residents / users</b>	Census beds: 800, Floating Population: 2000, Staff: 2800, Total: 5600		
<b>25.Tenant density per hectare</b>	3688/ Ha		
<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>	36.6 m wide S. V. Road		
<b>28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation</b>	9.0 m		
<b>29.Existing structure (s) if any</b>	350 bedded hospital building, 2 nos. nurses quarters etc.		
<b>30.Details of the demolition with disposal (If applicable)</b>	Exiting Priyam Pavilion, 2 Nos nurse's quarters, Annex-1 & Annex-2 will be demolished.		

### 31.Production Details

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

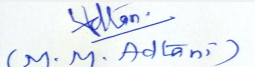
### 32.Total Water Requirement

<b>Dry season:</b>	<b>Source of water</b>	MCGM and recycled water from STP
	<b>Fresh water (CMD):</b>	600
	<b>Recycled water - Flushing (CMD):</b>	129
	<b>Recycled water - Gardening (CMD):</b>	20
	<b>Swimming pool make up (Cum):</b>	0
	<b>Total Water Requirement (CMD) :</b>	797
	<b>Fire fighting - Underground water tank(CMD):</b>	250
	<b>Fire fighting - Overhead water tank(CMD):</b>	30
	<b>Excess treated water</b>	348

  
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Wet season:	Source of water	MCGM and recycled water from STP
	Fresh water (CMD):	600
	Recycled water - Flushing (CMD):	129
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	777
	Fire fighting - Underground water tank(CMD):	250
	Fire fighting - Overhead water tank(CMD):	30
Excess treated water	368	

Details of Swimming pool (If any)	Not Applicable
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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	450	797 (includes existing)	797	15	15 (includes existing)	15	81	605 (includes existing)	605

34.Rain Water Harvesting (RWH)	Level of the Ground water table:	1.5 m
	Size and no of RWH tank(s) and Quantity:	Not Applicable
	Location of the RWH tank(s):	Not Applicable
	Quantity of recharge pits:	3
	Size of recharge pits :	3 m dia. X 5 m deep
	Budgetary allocation (Capital cost) :	Rs. 9 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 0.50 Lakhs/ Annum
Details of UGT tanks if any :	Fire UGT = 250 cum Municipal Tank = 900 cum STP Treated water tank = 50 cum and 300 cum RO Reject storage tank = 50cum	

  
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<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	Natural drainage pattern will be maintained.
	<b>Quantity of storm water:</b>	Will be designed as per maximum rainfall
	<b>Size of SWD:</b>	250 mm dia. pipe
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	605
	<b>STP technology:</b>	MBBR
	<b>Capacity of STP (CMD):</b>	650
	<b>Location &amp; area of the STP:</b>	Location: Basement-2 & Basement-3, Area: 350 sq. m.
	<b>Budgetary allocation (Capital cost):</b>	Rs. 100 Lakhs
	<b>Budgetary allocation (O &amp; M cost):</b>	Rs. 12 Lakhs/Annum
<b>36.Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	Construction waste: about 1- 3 cu.m./ day, Demolition waste: approx. 3,254.5 cu.m., Excavated substratum: approx 62,421 cu.m.
	<b>Disposal of the construction waste debris:</b>	Debris generated during construction phase will be collected at one place and will be disposed off to MCGM approved land filling sites.
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	454.55 kg/day
	<b>Wet waste:</b>	1704.55 kg/day
	<b>Hazardous waste:</b>	Phase-I: 27.31 kg/month, Phase-II: 35.53 kg/month
	<b>Biomedical waste (If applicable):</b>	Estimated waste (kg/month): Red bags: 9,216.18 (Phase-I), 11,988.52 (Phase-II), Yellow bags: 6,801.74 (Phase-I), 8,847.80 (Phase-II), Blue card boards: 2,063.97 (Phase-I), 2,684.83 (Phase-II), Puncture-proof containers: 294.26 (Phase-I), 382.77 (Phase-II)
	<b>STP Sludge (Dry sludge):</b>	2.4 kg/day
	<b>Others if any:</b>	Not Applicable
<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Segregation and sale of recyclables, inerts to approved landfill site.
	<b>Wet waste:</b>	OWC on site
	<b>Hazardous waste:</b>	Disposed off to Mumbai Waste Management Ltd.
	<b>Biomedical waste (If applicable):</b>	Disposed off to CBWFT through M/s. SMS Envoclean BMW Management (P) Ltd.
	<b>STP Sludge (Dry sludge):</b>	To be mixed with wet waste and converted to compost.
	<b>Others if any:</b>	Not Applicable
<b>Area requirement:</b>	<b>Location(s):</b>	As South West corner of new bldg area on Ground
	<b>Area for the storage of waste &amp; other material:</b>	100 sq. m.
	<b>Area for machinery:</b>	14 sq. m.
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs. 22 Lakhs
	<b>O &amp; M cost:</b>	Rs. 2.0 Lakhs
<b>37.Effluent Charecterestics</b>		

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Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)		
1	pH	-	6.0-8.5	6.0-8.5	6.0-8.5		
2	BOD5	mg/L	250-400	10	10		
3	COD	mg/L	600-800	30	30		
4	SS	mg/L	200-450	Less than 10	Less than 10		
5	Oil & Grease	mg/L	Up to 20	Less than 10	Less than 10		
6	TDS	mg/L	400-450	Less than 1000	Less than 1000		
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>							
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Xylem	Not applicable	kg	15.63	Phase I: 27.31 kg/ month Phase II: 35.53 kg/ month	35.53 kg/ month	Disposed off to Mumbai Waste Management Ltd.
<b>39.Stacks emission Details</b>							
Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases	
1	1875 KVA DG Set -1, 1875 KVA DG Set -2, 1875 KVA DG Set -3	High Speed Diesel, 990 L X 2 tank	3	30 m	400 mm	275 deg.C	
<b>40.Details of Fuel to be used</b>							
Serial Number	Type of Fuel	Existing	Proposed	Total			
1	High Speed Diesel	990 L	990 L X 2 tanks	990 L X 2 tanks			
41.Source of Fuel		Local petrol pump					
42.Mode of Transportation of fuel to site		Tanker					

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<b>43.Green Belt Development</b>	<b>Total RG area :</b>	2288.69 sq. m.
	<b>No of trees to be cut :</b>	26 numbers of trees will be cut.
	<b>Number of trees to be planted :</b>	34 number of trees will be transplanted, additional 78 trees will be planted.
	<b>List of proposed native trees :</b>	Please refer to Sr. No. 45 below.
	<b>Timeline for completion of plantation :</b>	Before construction phase

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Lignum vitae	Neelam tree	2	Beautiful purple flowering plant, Heavy wood having great demand in market
2	Polyanthia longifolia	Ashoka	15	Ornamental tree, tolerant to air pollution & is effective in alleviating noise pollution.
3	Albizia lebbeck	Shirish	3	Provides shading, flowers used for decoration purpose
4	Areca catechu	Supari tree	9	Tall tree, flowering plant, seeds edible
5	Cassia fistula	Bahava	8	Ornamental tree, attracts birds & insects
6	Pongamia pinnata	Karanj tree	2	Ornamental tree & host tree for lac insect, insects feeds on the tree
7	Plumeria alba	Chafa tree	5	Flowering plant
8	Bismarkia nobilist	Palm trees	12	Ornamental tree
9	Mangifera indica	Mango tree	8	Seasonal & edible fruits, provides shade
10	Terminalia catappa	Badam tree	6	Edible fruits, bird feeds on fruits
11	Magnolia champaca	Champa	8	Flowering plant

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

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

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

#### 47.Energy

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<b>Power requirement:</b>	<b>Source of power supply :</b>	Reliance Energy
	<b>During Construction Phase: (Demand Load)</b>	100 kVA
	<b>DG set as Power back-up during construction phase</b>	125 kVA
	<b>During Operation phase (Connected load):</b>	4788 kW
	<b>During Operation phase (Demand load):</b>	3830 kW
	<b>Transformer:</b>	2 transformers of 2500 kVA
	<b>DG set as Power back-up during operation phase:</b>	3 X 1875 kVA (100% backup)
	<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:

Energy savings measures:

- LED light fixtures, transformer efficiency as per ECBC norms


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

Serial Number	Energy Conservation Measures	Saving %
1	Power saving for chiller in one year = 10,17,900 kWh	10%
2	Power saving due to VFD in Pumps in one year = 81,000 kWh	20%
3	Power saving due to VFD in AHU in one year = 1,665 kWh	20%

#### 50. Details of pollution control Systems

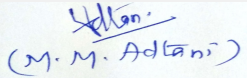
Source	Existing pollution control system	Proposed to be installed
Air and Noise pollution from DG Sets	Stack height as per CPCB requirements, Acoustic enclosures as per EP Act	Stack height as per CPCB regulations. As per the CPCB regulations, DG sets will be installed in acoustic enclosures.
Sewage	Existing STP on site	Existing STP to be demolished and proposed STP to be installed in new proposed building
Solid waste	Existing OWC on site	New OWC to be installed
Bio-medical waste	Disposed off to CBWFTFS through M/s. SMS Envoclean BMW Management (P) Ltd	Disposed off to CBWFTFS through M/s. SMS Envoclean BMW Management (P) Ltd
Hazardous Waste	Disposed off to Mumbai Waste Management Ltd.	Disposed off to Mumbai Waste Management Ltd.

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	STP = Rs. 50 lakhs, OWC = Rs. 20 lakhs
	<b>O &amp; M cost:</b>	STP = Rs. 5 lakhs/month, OWC = Rs. 1.6 lakhs/month

  
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## 51.Environmental Management plan Budgetary Allocation

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

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Demolition waste/ Debris disposal	NA	4.00
2	Toilets for labour + drinking water + first aid arrangement	NA	2.00
3	Health and Safety of Labourers	NA	15.00
4	Monitoring of Environmental Parameters	NA	1.00
5	Environment monitoring cell	NA	3.00

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

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	NA	Sewage Treatment Plant	100.0	12.0
2	NA	Solid Waste Management	30.0	2.40
3	NA	Rain Water Harvesting	3.0	0.2
4	NA	Green Belt	7.00	4.00
5	NA	Energy saving features + Solar Water Heater/ Solar Power	10.0	0.25
6	NA	Fire Fighting measures	961.0	6.20
7	NA	Monitoring of Environmental Parameters	-	2.00
8	NA	Environment monitoring cell	-	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
Xylem	Liquid	Bottles	16.95 kg	16.95 kg	15.63	Fisher Scientific	By hand

## 52.Any Other Information

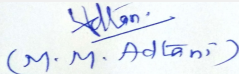
No Information Available

## 53.Traffic Management

  
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	<b>Nos. of the junction to the main road &amp; design of confluence:</b>	Direct access to S. V. Road and Sarojini Road extension
<b>Parking details:</b>	<b>Number and area of basement:</b>	17809.70 sq. m.
	<b>Number and area of podia:</b>	Not Applicable
	<b>Total Parking area:</b>	7250.65 sq. m.
	<b>Area per car:</b>	150 sq. m.
	<b>Area per car:</b>	150 sq. m.
	<b>Number of 2-Wheelers as approved by competent authority:</b>	Not Applicable
	<b>Number of 4-Wheelers as approved by competent authority:</b>	366, 8 ambulances
	<b>Public Transport:</b>	Not Applicable
	<b>Width of all Internal roads (m):</b>	Minimum 4.5 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>	8(a)
	<b>Court cases pending if any</b>	Not applicable
	<b>Other Relevant Informations</b>	Not applicable
	<b>Have you previously submitted Application online on MOEF Website.</b>	No
	<b>Date of online submission</b>	-

## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

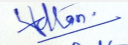
Summorisred in brief information of Project as below.

### Brief information of the project by SEAC

  
**Mr. Surykant Nikam**  
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Representative of PP Dr. Rajendra Patanlar was present during the meeting along with environmental consultant M/s. Aditya Environmental Services Pvt. Ltd.

PP informed that, the project under consideration is *proposed Hospital Expansion Project*. PP further stated that, the total plot area of the project is 15,960.30 Sq.mt. having total construction area 80609 Sq.mt. (FSI - 43,925.63 sq.mt + NON FSI 24725.59 sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Hospital building	3 basements and Ground + 11 floors	44.85 m (up to terrace level)

It is noted that the project earlier considered in 91st SEAC-2 meeting held on 07-03-2019 and deferred with observation like 1) 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 2) Fire fighting facilities, DMP etc3) to submit the detail plan regarding disposal of hazardous, biomedical waste, radioactive waste 4) to submit Atomic Energy Regulatory Board (AERB) NoC 5) to submit the detail design & calculation for the ETP 6) to submit detail fire tender movement plan 7) site specific disaster management plan etc. Accordingly PP Submitted the Compliance which was taken on record.

As discussed during the meeting, sub-committee comprising of Shri Hiten Sethi & Shri Bharat Bhushan visited the project on site on 24/4/2019 and observed the ECBC compliance, Daylight, ventilation & thermal Analysis.

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

## DECISION OF SEAC

record.

 Mr. Surykant Nikam (Secretary SEAC-II)	SEAC Meeting No: 96 Meeting Date: April 15, 2019	Page 45 of 92	 Shri M.M.Adtani (Chairman SEAC-II)
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**After deliberation, Committee decided to recommend the proposal for Environmental Clearance to SEIAA, subject to compliance of above points.**

**Specific Conditions by SEAC:**

- 1) PP to follow the all conditions laid down by Atomic Energy Regulatory Board (AERB) for procurement of radiation sources & nuclear medicine facility.
- 2) PP to submit the PESO NoC for diesel storage required for DG set.
- 3) PP to ensure that Biomedical waste should be disposed off as per Bio-medical Waste Management Rules, 2018
- 4) PP to upload the day light analysis report.
- 5) PP to ensure that, during construction necessary noise level standees to be maintained in the existing premises.
- 6) PP to submit CER of 0.75 % 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.

**FINAL RECOMMENDATION**

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

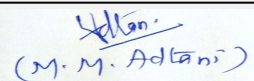
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SEAC-II)**


## Agenda of 96th Meeting of State Expert Appraisal Committee (SEAC-2)

**SEAC Meeting number: 96 Meeting Date April 15, 2019**

**Subject:** Environment Clearance for Amendment and Expansion in Environmental Clearance of Residential Cum Commercial Project under SRA Scheme At C. S. No. 121 to 123 comprising CTS No. 1124 of village Mulund (E), Tal. Kurla, Mumbai, Maharashtra Proposed By SHREE SAMARTH SPARK DEVELOPERS

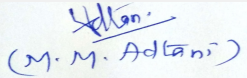
**Is a Violation Case:** No

<b>1.Name of Project</b>	Shree Samarth Spark Developers
<b>2.Type of institution</b>	Private
<b>3.Name of Project Proponent</b>	Shri. Ajay Dattajirao Desai; Shree Samarth Spark Developers
<b>4.Name of Consultant</b>	Dr. D. A. Patil; Mahabal Enviro Engg. Pvt. Ltd.
<b>5.Type of project</b>	Amendment and Expansion in Residential cum Commercial Project with SRA Scheme
<b>6.New project/expansion in existing project/modernization/diversification in existing project</b>	Amendment and Expansion
<b>7.If expansion/diversification, whether environmental clearance has been obtained for existing project</b>	Yes. Obtained Prior EC Obtained Vide No. SEAC 2010/CR. 870/TC.2 dated 09.05.2011
<b>8.Location of the project</b>	Survey No. 121 to 123 comprising C.T.S. No. 1124 of Village Mulund (E), Tal. Kurla, Mumbai, Maharashtra
<b>9.Taluka</b>	kurla
<b>10.Village</b>	Mulund
<b>Correspondence Name:</b>	Shri. Ajay Dattajirao Desai; Shree Samarth Spark Developers
<b>Room Number:</b>	102
<b>Floor:</b>	1st Floor
<b>Building Name:</b>	Saroj Apartment
<b>Road/Street Name:</b>	Nathalal Parekh Marg
<b>Locality:</b>	opp. Matunga Gujarathi Club, King's Circle, Matunga
<b>City:</b>	Mumbai - 400019
<b>11.Area of the project</b>	Municipal Corporation of Greater Mumbai
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	Sale Building 1; Not approved , Sale Building 2: SRA/ENG/2951/T/STGL/AP dated:10th June,2015, Rehab Building 3 : SRA/ENG/2820/T/STGL/AP dated:7th November,2017 , Rehab Building 4: SRA/ENG/2952/T/STGL/AP dated:27th January,2016, Rehab Building 5: SRA/ENG/2914/T/STGL/AP dated:23rd January,2018, Rehab Building 6: SRA/ENG/2915/T/STGL/AP dated:26th February,2018 Rehab Building 7; SRA/ENG/3338/T/STGL/AP dated:10th January,2018
	<b>IOD/IOA/Concession/Plan Approval Number:</b> SRA/ENG/632/T/STGL/LAY
	<b>Approved Built-up Area:</b> 46616.30
<b>13.Note on the initiated work (If applicable)</b>	As of today we have constructed 47,743 m2 area
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	LOI received from SRA vide letter No. SRA/ENG/654/T/GL/LOI dated 4/1/2012
<b>15.Total Plot Area (sq. m.)</b>	28167.85 m2 as per PR card, Area of plot considered for the scheme- 27236.35 m2
<b>16.Deductions</b>	D. P road -7318.65 m2
<b>17.Net Plot area</b>	16233.95 sq.mt
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> 55,262.14 m2
	<b>b) Non FSI area (sq. m.):</b> 41,895.22 m2
	<b>c) Total BUA area (sq. m.):</b> 97157.36
<b>18 (b).Approved Built up area as per DCR</b>	<b>Approved FSI area (sq. m.):</b> 46,616.30 m2
	<b>Approved Non FSI area (sq. m.):</b> 31387.61 m2
	<b>Date of Approval:</b> 10-01-2018
<b>19.Total ground coverage (m2)</b>	7504.42 m2

  
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20. Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	27%
21. Estimated cost of the project	3600000000


## 22. Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Sale Building 1	Ground + Upper 3 floors	19.56
2	Sale Building 2 (Wing A, B, D, E)	Ground + 1 to 5 Podium + 6 to 22 upper floors	67.05
3	Sale Building 2 (Wing C)	Ground + 1 to 5 Podium + 6 to 23 upper floors	69.90
4	Rehab Building 3 (Wing A, B, C)	Ground / Stilt + 1 to 18 upper floors	56.40
5	Rehab Building 4	Ground / Stilt + 1 to 20 (pt) upper floors	62.35
6	Rehab Building 5 (Wing A)	St + 12 floors	45.30
7	Rehab Building 5 (Wing B)	St + 14 (pt) floors	51.25
8	Rehab Building 6 (Wing A)	St + 16 (pt) floors	57.45
9	Rehab Building 6 (Wing B)	St (pt) + Gr (pt) + 7 floors	25.70
10	Rehab Building 7	Ground / Stilt + 1st to 5th floors	24.46

23. Number of tenants and shops	Flats: 1196 Nos. Commercial: 2,419.86 m <sup>2</sup>
24. Number of expected residents / users	6222 Nos.
25. Tenant density per hectare	500 Ha
26. Height of the building(s)	
27. Right of way (Width of the road from the nearest fire station to the proposed building(s))	27.45 m wide Road, 12.20 m wide D.P. Road, 13.40 m wide Existing Road
28. Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	6 m (internal road) - 27 m (main road)
29. Existing structure (s) if any	Existing slums are present
30. Details of the demolition with disposal (If applicable)	Slums demolished on site.

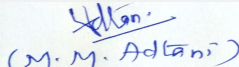
## 31. Production Details

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

  
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## 32.Total Water Requirement

<b>Dry season:</b>	Source of water	MCGM
	Fresh water (CMD):	544
	Recycled water - Flushing (CMD):	274
	Recycled water - Gardening (CMD):	9
	Swimming pool make up (Cum):	-
	<b>Total Water Requirement (CMD) :</b>	818
	Fire fighting - Underground water tank(CMD):	13,00,000 lakh ltrs
	Fire fighting - Overhead water tank(CMD):	4,20,000 ltrs
	Excess treated water	474
<b>Wet season:</b>	Source of water	MCGM
	Fresh water (CMD):	544
	Recycled water - Flushing (CMD):	274
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	-
	<b>Total Water Requirement (CMD) :</b>	818
	Fire fighting - Underground water tank(CMD):	13,00,000 lakh ltrs
	Fire fighting - Overhead water tank(CMD):	4,20,000 ltrs
	Excess treated water	483
<b>Details of Swimming pool (If any)</b>		

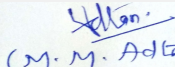
## 33.Details of Total water consumed

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


  
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<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	3-4 m
	<b>Size and no of RWH tank(s) and Quantity:</b>	5 RWH tanks with total 150 KL Capacity
	<b>Location of the RWH tank(s):</b>	Below ground
	<b>Quantity of recharge pits:</b>	187.48 m <sup>3</sup>
	<b>Size of recharge pits :</b>	22.95 m <sup>3</sup>
	<b>Budgetary allocation (Capital cost) :</b>	Rs. 40 Lakhs
	<b>Budgetary allocation (O &amp; M cost) :</b>	Rs. 4 Lakhs/yr
	<b>Details of UGT tanks if any :</b>	UG tanks will be provided below ground floor
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	The slope of the site and area is towards South side
	<b>Quantity of storm water:</b>	1355 m <sup>3</sup> /hr
	<b>Size of SWD:</b>	0.6 x 0.8 m and 0.8 x 1.2 m wide drain channel
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	764 KLD
	<b>STP technology:</b>	MBBR
	<b>Capacity of STP (CMD):</b>	3 STP's with total capacity of 800 KLD
	<b>Location &amp; area of the STP:</b>	Ground
	<b>Budgetary allocation (Capital cost):</b>	Rs. 200 Lakhs
	<b>Budgetary allocation (O &amp; M cost):</b>	Rs. 20 Lakhs/yr
<b>36.Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	Construction Debris: : 2821 m <sup>3</sup>
	<b>Disposal of the construction waste debris:</b>	The construction debris will be used at site for site formation
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	1215 kg/day
	<b>Wet waste:</b>	1823 kg/day
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	1 CMD
	<b>Others if any:</b>	Household E waste generation

  
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<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>	Lower ground
	<b>Area for the storage of waste &amp; other material:</b>	2.31 m3
	<b>Area for machinery:</b>	1.617 m3
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs. 8 Lakhs
	<b>O &amp; M cost:</b>	Rs. 6 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

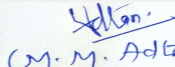
Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable

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>	1703 m2		
	<b>No of trees to be cut :</b>	1 Nos.		
	<b>Number of trees to be planted :</b>	300 Nos.		
	<b>List of proposed native trees :</b>	As mentioned below		
	<b>Timeline for completion of plantation :</b>	Will be planted after completion of construction		
<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 lebbeck	Shirish	18	Shady tree, yellowish green fragrant flowers
2	Pongamia pinnata	Karanj	21	Shady tree.
3	Bombax ceiba	Katesavar	27	Large tree, red flowers.
4	Anthocephallus cadamba	Kadamb	24	Shady, large tree, ball shaped flowers.
5	Cassia fistula	Bahava	38	Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plant
6	Mimusops elengi	Bakul	31	Shady tree, small white fragrant flowers
7	Nyctanthes arbor-tristis	Parijatak	35	Small deciduous fast growing tree, beautiful flowerers.
8	Erythrina indica	Pangara	21	Medium sized deciduous tree. Bright scarlet flowers.
9	Michelia champaca	Son chafa	28	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
10	Bauhinia racemosa	Apta	25	Small tree with small white flowers, Butterfly host plant
11	Lagerstroemia flos-regineae	Tamhan	32	State flower tree of Maharashtra Medium sized tree, beautiful purple flowers
<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>				

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<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	125 kVA
	<b>DG set as Power back-up during construction phase</b>	NA
	<b>During Operation phase (Connected load):</b>	4.9 MW
	<b>During Operation phase (Demand load):</b>	3.5 MW
	<b>Transformer:</b>	4 nos (3nos 1MVA & 1 nos 360 KVA)
	<b>DG set as Power back-up during operation phase:</b>	250 kVA
	<b>Fuel used:</b>	HSD
	<b>Details of high tension line passing through the plot if any:</b>	Nil

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

Solar Hot Water system for Residential Building (Proposed)  
Solar lighting in landscape , common area passages (Proposed)

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

Serial Number	Energy Conservation Measures	Saving %
1	<ul style="list-style-type: none"> <li>• Natural shading through elevation features to minimize heat gain and reduce air-conditioning requirement</li> <li>• Use of low-e glass to reduce power requirement</li> <li>• Solar lighting in common areas, garden and road</li> <li>• Solar hot water for residential buildings</li> <li>• Energy efficient lighting fixtures (LED lights) to all buildings</li> </ul>	20.46%

#### 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. 2.5 Cr
	<b>O &amp; M cost:</b>	Rs. 65 Lakhs

### 51. Environmental Management plan Budgetary Allocation

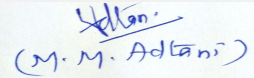
#### a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water spray for dust suppression	-	3
2	Site sanitation and Potable Water Supply to Labour	-	7

  
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3	Environmental Monitoring	-	4
4	Health check-up & first aid	-	5
5	Safety Personal Protective Equipment	-	10
6	Traffic Management (Sign Boards, Persons at entry exit and Parking area)	-	4
7	Safety nets	-	22
8	Storm water Management (SWD along plot boundary and Sedimentation Pits)	-	3
9	Tyre cleaning and Vehicle maintenance	-	2
10	Safety Training to Workers (Twice in Year), Safety Officer	-	5
11	Disinfection	-	2

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

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP (Tertiary)	-	200	20
2	Solar System	-	96	5
3	Rainwater harvesting	-	40	4
4	Solid Waste Composting plant	-	8	6
5	Landscape	-	70	8

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


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

**52.Any Other Information**

No Information Available

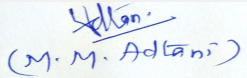
**53.Traffic Management**

	<b>Nos. of the junction to the main road &amp; design of confluence:</b>	27.45 m wide Road, 12.20 m wide D.P. Road, 13.40 m wide Existing Road
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Parking details:	Number and area of basement:	NA
	Number and area of podia:	5 Nos.
	Total Parking area:	8960.29
	Area per car:	24.1 m <sup>2</sup>
	Area per car:	24.1 m <sup>2</sup>
	Number of 2-Wheelers as approved by competent authority:	-
	Number of 4-Wheelers as approved by competent authority:	520 Nos.
	Public Transport:	-
	Width of all Internal roads (m):	Min 6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8 (a)
	Court cases pending if any	No
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

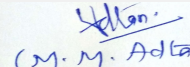
## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

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

SEAC-AGENDA-0000000250



Representative of PP Mr.Ajay Desai was present during the meeting along with Environmental Consultant Environmental Consultant- M/s. Mahabal Enviro Engg. Pvt. Ltd.

PP informed that, the project under consideration is *proposed Amendment and Expansion Project*. PP further stated that, the total plot area of the project is 27236.35 Sq. mt. having total construction area 97157.36 Sq. mt. (FSI 55,262.14 Sq.mt + NON FSI- 41,895.22 Sq.mt)and the building configuration is as follow-


Building Name & number	Number of floors	Height (Mtrs)
Sale Building 1	Ground + Upper 3 floors	19.56
Sale Building 2 (Wing A, B, D, E)	Ground + 1 to 5 Podium + 6 to 22 upper floors	67.05
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Rehab Building 6 (Wing A)	St + 16 (pt) floors	57.45
Rehab Building 6 (Wing B)	St (pt) + Gr (pt) + 7 floors	25.70
Rehab Building 7	Ground / Stilt + 1st to 5th floors	24.46

It is noted that the project earlier considered in 74th SEAC-2 meeting held on 15-10-2018 and deferred with observation like 1) to correct and resubmit the comparative statement and figures especially in Non-FSI Area, RG Area, and Power requirement 2) to submit in detail about energy consumption and requirement with appropriate calculations 3) RG figures to be recalculated and give it in appropriate figures. Accordingly PP submitted the compliance which was taken on record.

It is noted that, project has obtained Prior Environmental Clearance vide letter dated 09.05.2011 for the project with FSI Area of 45,395.00 Sq.mt and total construction area of 97,212.45 Sq.mt

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

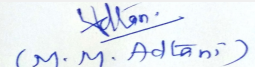
## DECISION OF SEAC



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PP has complied with the points raised in the 74<sup>th</sup> meeting of SEAC-2 ***hence, Committee decided to recommend the proposal for Environmental Clearance to SEIAA subject to follow the CER activities as per approval of local body.***

**Specific Conditions by SEAC:**

### **FINAL RECOMMENDATION**

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

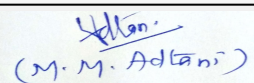
SEAC-AGENDA-0000000250



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## Agenda of 96th Meeting of State Expert Appraisal Committee (SEAC-2)

**SEAC Meeting number: 96 Meeting Date April 15, 2019**

**Subject:** Environment Clearance for Expansion of Proposed Residential tower building, Multi Storied Public Parking Lot building, Commercial Building & Residential Building on Plot bearing CS No 2/1629 & 1A/1629 Of Lower Parel division, Plot No 249 & 249 A, 248B of Worli estate scheme no 52, Worli Mumbai by M/s K Raheja Pvt. Ltd

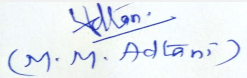
**Is a Violation Case:** No

<b>1.Name of Project</b>	Expansion of Proposed Residential tower building, Multi Storied Public Parking Lot building, Commercial Building & Residential Building
<b>2.Type of institution</b>	Private
<b>3.Name of Project Proponent</b>	M/s K Raheja Pvt. Ltd
<b>4.Name of Consultant</b>	M/s. Enviro Analysts & Engineers Pvt. Ltd
<b>5.Type of project</b>	Expansion of Proposed Residential tower building, Multi Storied Public Parking Lot building, Commercial Building & Residential Building
<b>6.New project/expansion in existing project/modernization/diversification in existing project</b>	Expansion in Existing Project
<b>7.If expansion/diversification, whether environmental clearance has been obtained for existing project</b>	EC has been Received dated 12th May 2017 (SEIAA-EC-0000000102) for construction area 159739.22 sqm
<b>8.Location of the project</b>	Plot bearing CS No 2/1629 & 1A/1629 of Lower Parel division, Plot No 249 & 249A, 248B Of Worli estate scheme no 52, Worli Mumbai
<b>9.Taluka</b>	Mumbai
<b>10.Village</b>	Worli
<b>Correspondence Name:</b>	Mr. Nikhil Mehta
<b>Room Number:</b>	Architect Department
<b>Floor:</b>	6th Floor
<b>Building Name:</b>	Raheja Tower
<b>Road/Street Name:</b>	Plot-C-30, Block -G
<b>Locality:</b>	Bandra Kurla Complex , Bandra (East)
<b>City:</b>	Mumbai 400051
<b>11.Area of the project</b>	Municipal Corporation of Greater Mumbai (M.C.G.M.)
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	Concession Received from MCGM <b>IOD/IOA/Concession/Plan Approval Number:</b> EB/1105/GS/A <b>Approved Built-up Area:</b> 65714.20
<b>13.Note on the initiated work (If applicable)</b>	As per architect certificate dated 04.10.2018 Total 1,39,961.84 sqm is constructed on site as per EC received dated 12th May 2017 (SEIAA- EC-0000000102) for construction area 159739.22 sqm
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	HRC NOC received , CFO NOC received ,I to R received ,HE NOC received ,SWD NOC received
<b>15.Total Plot Area (sq. m.)</b>	20117.24 sqm
<b>16.Deductions</b>	1449.85 sqm (Road set back - 647.93 sqm + Amenity open spaces - 801.92 sqm)
<b>17.Net Plot area</b>	18667.39 sqm.
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> 65,714.20
	<b>b) Non FSI area (sq. m.):</b> 1,13,052.83
	<b>c) Total BUA area (sq. m.):</b> 178767.03
<b>18 (b).Approved Built up area as per DCR</b>	<b>Approved FSI area (sq. m.):</b> 65,714.20
	<b>Approved Non FSI area (sq. m.):</b> 1,13,052.83
	<b>Date of Approval:</b> 27-08-2018
<b>19.Total ground coverage (m2)</b>	14,671 sqm
<b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>	78.59%
<b>21.Estimated cost of the project</b>	10190000000

  
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**SEAC-II)**

## 22. Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Residential tower	2B+G+5 parking floors + stilt +6 structural/service floors+3 fire check floors+45 habitable floors. the 5th parking floor above the public parking lot will be for residential parking	223.40 m
2	PPL	2B+G+4 parking floors (total 7 parking floors)	18.80m
3	Commercial building wing A	3B+3 office floors	12.30 m
4	Residential building Wing B	Stilt + 6 habitable floors	24.00 m
5	-	-	-

<b>23. Number of tenants and shops</b>	Residential tower - 174 nos Commercial building wing A- 2004.69 sqm Residential building Wing B - 36 nos
<b>24. Number of expected residents / users</b>	Residential tower - 870 nos, Commercial building wing A- 400 nos, Residential building Wing B - 180 nos Total - 1450 nos
<b>25. Tenant density per hectare</b>	104 Tenant 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>	The site is accessible from 18.30 mt. wide Natvarya Baburao Pendarkar Marg on north side and 18.30 mt wide Sudam Kalu Ahire Marg on west side, both off Anne Besant 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>	Existing Building is under construction on site as per EC received dated 12th May 2017 (SEIAA-EC-0000000102) for construction area 159739.22 sqm
<b>30. Details of the demolition with disposal (If applicable)</b>	Demolition done and Handled as per C & D rule 2016

## 31. Production Details

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

## 32. Total Water Requirement

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<b>Dry season:</b>	<b>Source of water</b>	MCGM/STP recycled water								
	<b>Fresh water (CMD):</b>	Residential -78 KLD , MPPL-2 KLD, Commercial wing A- 8 KLD, Residential wing B- 16 KLD Total - 104 KLD								
	<b>Recycled water - Flushing (CMD):</b>	Residential -39 KLD , MPPL-3 KLD, Commercial wing A- 10 KLD, Residential wing B- 8 KLD Total- 60 KLD								
	<b>Recycled water - Gardening (CMD):</b>	30 KLD								
	<b>Swimming pool make up (Cum):</b>	25 KLD								
	<b>Total Water Requirement (CMD) :</b>	194 KLD								
	<b>Fire fighting - Underground water tank(CMD):</b>	Residential - 300 Cum, MPPL-100 cum, Wing A & B-200 cum								
	<b>Fire fighting - Overhead water tank(CMD):</b>	Residential - 210 cum, MPPL- 30 cum, Commercial wing A- 30 cum, Residential wing B- 30 cum								
	<b>Excess treated water</b>	48 KLD								
<b>Wet season:</b>	<b>Source of water</b>	MCGM/STP recycled water/RWH								
	<b>Fresh water (CMD):</b>	Residential -78 KLD , MPPL-2 KLD, Commercial wing A- 8 KLD, Residential wing B- 16 KLD Total - 104 KLD								
	<b>Recycled water - Flushing (CMD):</b>	Residential -39 KLD , MPPL-3 KLD, Commercial wing A- 10 KLD, Residential wing B- 8 KLD Total- 60 KLD								
	<b>Recycled water - Gardening (CMD):</b>	0								
	<b>Swimming pool make up (Cum):</b>	25 KLD								
	<b>Total Water Requirement (CMD) :</b>	164 KLD								
	<b>Fire fighting - Underground water tank(CMD):</b>	Residential - 300 Cum, MPPL-100 cum, Wing A & B-200 cum								
	<b>Fire fighting - Overhead water tank(CMD):</b>	Residential - 210 cum, MPPL- 30 cum, Commercial wing A- 30 cum, Residential wing B- 30 cum								
	<b>Excess treated water</b>	78 KLD								
<b>Details of Swimming pool (If any)</b>	1 swimming pool of dimensions-24.75 m x 37.12m x 1.5 m									
<b>33.Details of Total water consumed</b>										
<b>Particulars</b>	<b>Consumption (CMD)</b>			<b>Loss (CMD)</b>			<b>Effluent (CMD)</b>			
<b>Water Requirement</b>	<b>Existing</b>	<b>Proposed</b>	<b>Total</b>	<b>Existing</b>	<b>Proposed</b>	<b>Total</b>	<b>Existing</b>	<b>Proposed</b>	<b>Total</b>	
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	

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<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	1.5 m - 12.0 m bgl
	<b>Size and no of RWH tank(s) and Quantity:</b>	Residential - 110 cum, Commercial wing A- 50 ,Residential -15 cum Total - 175 cum
	<b>Location of the RWH tank(s):</b>	Basement
	<b>Quantity of recharge pits:</b>	23 nos. of recharge pits with bore well along with Grease cum distilling chamber
	<b>Size of recharge pits :</b>	1.5 m diameter x 6.00 m depth
	<b>Budgetary allocation (Capital cost) :</b>	Rs 15.00 Lakhs
	<b>Budgetary allocation (O &amp; M cost) :</b>	Rs 0.75 Lakhs /Annum
	<b>Details of UGT tanks if any :</b>	Fire tank ,Domestic tank, Flushing Tank, RWH Tank all located in the Basement
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	The storm water collected through the storm water drains of adequate capacity will be discharged in to the municipal storm line along the DP existing roads which is towards north
	<b>Quantity of storm water:</b>	0.39 m <sup>3</sup> /sec
	<b>Size of SWD:</b>	300 mm RCC pipe
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	Residential - 110 KLD , MPPL-4 KLD, Commercial wing A- 17 KLD, Residential wing B- 23 KLD Total - 154 KLD
	<b>STP technology:</b>	Residential -SBR, MPPL- MBBR, Commercial wing A & Residential wing B- MBBR
	<b>Capacity of STP (CMD):</b>	Residential -150 KLD , MPPL- 10 KLD, Commercial wing A & Residential wing B - 45 KLD
	<b>Location &amp; area of the STP:</b>	Basement
	<b>Budgetary allocation (Capital cost):</b>	Rs 90.00 Lakhs
	<b>Budgetary allocation (O &amp; M cost):</b>	Rs 15.00 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, Broken Tiles etc
	<b>Disposal of the construction waste debris:</b>	Excavated material Shall be used on site for backfilling and for Internal roads. Excess shall be disposed to authorized landfills, Cement Bags Empty bags to be handed over to recycler, Paint container (@20L) To be handed over to recycler. Scrap metal generated Entirely to be Sold for recycling, Broken Tiles Waste tiles to be used for skirting. Broken pieces to be used for china mosaic waterproofing of terraces
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	322 Kg/day
	<b>Wet waste:</b>	408 Kg/day
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	8 Kg/day
	<b>Others if any:</b>	E- waste to be handed over to MPCB authorized vendors
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<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 to be handed over to MPCB authorized vendors
<b>Area requirement:</b>	<b>Location(s):</b>	Ground floor
	<b>Area for the storage of waste &amp; other material:</b>	110 sqm
	<b>Area for machinery:</b>	5 sqm for each machine
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs 15.00 Lakhs
	<b>O &amp; M cost:</b>	Rs 3.00 lakhs /annum

### 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
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<b>43.Green Belt Development</b>	<b>Total RG area :</b>	RG on ground-5807.93 Sqm, RG on Podium -4502.07 sqm Total RG-10310.00 sqm
	<b>No of trees to be cut :</b>	Trees to be cut/transplanted-4 nos, trees to be retained-24 nos
	<b>Number of trees to be planted :</b>	209 nos
	<b>List of proposed native trees :</b>	Same as 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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Barringtonia	Indian Oak	35	Ornamental tree
2	Terminalia mantaly	Madagascar almond	52	Ornamental tree
3	Millettia pinnata	Karaj tree	52	Shadow tree
4	Lagerstroemia	Crape Myrtle	70	Flowering tree

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

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

Serial Number	Name	C/C Distance	Area m2
1	Acalypha wilkesiana	150-200 mm	210
2	Allamanda nerifolia	150-200 mm	218
3	Alternanthera versicolor	150-200 mm	305
4	Alpinia zurumbet	150-200 mm	186
5	Barleria species	150-200 mm	155
6	Bougainvillea	150-200 mm	220
7	Breynia nivosa	150-200 mm	200
8	Caesalpinia pulcherima	150-200 mm	190
9	Calliandra haematocephala	150-200 mm	212
10	Canna generalis	150-200 mm	290
11	Catharanthus rosea	150-200 mm	175
12	Dracaena marginata	150-200 mm	175
13	Codiaeum	150-200 mm	205
14	Excoecaria bicolor	150-200 mm	75
15	Heliconia	150-200 mm	290
16	Hibiscus	150-200 mm	212
17	Ixora duffii red	150-200 mm	307
18	Lantana camara	150-200 mm	175
19	Mussaenda erthrophylla	150-200 mm	200

#### 47.Energy

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<b>Power requirement:</b>	<b>Source of power supply :</b>	BEST/TATA
	<b>During Construction Phase: (Demand Load)</b>	400 kW
	<b>DG set as Power back-up during construction phase</b>	65 kVA
	<b>During Operation phase (Connected load):</b>	9304 kw
	<b>During Operation phase (Demand load):</b>	4392 kw
	<b>Transformer:</b>	4 X 1500 kVA
	<b>DG set as Power back-up during operation phase:</b>	1 x 2250 kVA & 2x 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:

- Design with low lighting power density of 0.8 w/sft or less in common areas by using LEDs for general lighting with occupancy sensors & timer based controls
- Design with low lighting power density of 0.2 watts/sft or less in the parking areas with T5
- using energy efficient 5 star rated equipment's
- External Light Design with low lighting power density of 0.2 watts/sft or less in the building exterior areas with use of LEDs
- Use of efficient VRF or equivalent system with filters.

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

Serial Number	Energy Conservation Measures	Saving %
1	Overall energy savings	26%

#### 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. 120.00 lakhs
	<b>O &amp; M cost:</b>	Rs. 6.00 lakhs

### 51. Environmental Management plan Budgetary Allocation

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

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water Sprinkling, Green Belt Development & Covered storage area	20.00
2	Noise Environment	Noise Baricades and Green Belt	8.00

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3	Water Environment	Modular STP , Drainage with sedimentation tanks	6.00
4	Land Environment	Site Sanitation	1.00
5	Environmental Monitoring	Air,water,noise soil monitoring	1.50
6	EHS	Disinfection & Health Care	3.00

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

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Solid waste management	OWC	15.00	3.00
2	waste water management	STP	90.00	15.00
3	RHW	RHW tanks and pits	15.00	0.75
4	Energy conservation	Solar and LED	120.00	6.00
5	Landscape	Greenbelt	120.00	24.00

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


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

**52.Any Other Information**

No Information Available

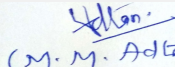
**53.Traffic Management**

<b>Nos. of the junction to the main road &amp; design of confluence:</b>	The site is accessible from 18.30 mt. wide Natvarya Baburao Pendarkar Marg on north side and 18.30 mt wide Sudam Kalu Ahire Marg on west side, both off Anne Besant Road. (7 enrty/exit)
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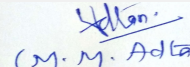
  
(M. M. Adtani)  
**Shri M.M.Adtani (Chairman SEAC-II)**

<b>Parking details:</b>	<b>Number and area of basement:</b>	Residential tower -2 Basements Commercial & Residential bldg. combined - 3 Basements
	<b>Number and area of podia:</b>	Residential tower - 5 nos of podium
	<b>Total Parking area:</b>	39253.38 sqm for Residential +8584.50 sqm for wing A & B
	<b>Area per car:</b>	Basement= 33.79 sqm ,Gr. Flr. = 25 sqm , Podium= 30.9 sqm
	<b>Area per car:</b>	Basement= 33.79 sqm ,Gr. Flr. = 25 sqm , Podium= 30.9 sqm
	<b>Number of 2-Wheelers as approved by competent authority:</b>	Residential- 23 MPPL- 20 Total-43 nos
	<b>Number of 4-Wheelers as approved by competent authority:</b>	Residential -555 nos Wing A & B -41 nos Total - 596 nos (MPPL-803 ( Including 9 Transport vehicle))
	<b>Public Transport:</b>	-
	<b>Width of all Internal roads (m):</b>	6.00 mt. wide Internal driveways.
	<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(b), category B1
	<b>Court cases pending if any</b>	NA
	<b>Other Relevant Informations</b>	The Occupation Permission to Public Parking Lot is granted on 07/09/2016 and same is handed over to MCGM on 06/01/2017. ToR has been received in 79th SEAC II meeting Dated 28.11.2018
	<b>Have you previously submitted Application online on MOEF Website.</b>	Yes
	<b>Date of online submission</b>	11-10-2018
<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>	-	

  
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 (M. M. Adtani)  
**Shri M.M.Adtani (Chairman SEAC-II)**

<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-0000000250

Representative of PP Mr. Nikhil Mehta was present during the meeting along with Environmental Consultant M/s. Enviro Analysts & Engineers Pvt. Ltd

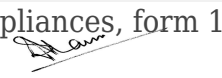
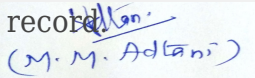
PP informed that, the project under consideration is *proposed Expansion in Existing Project*. PP further stated that, the total plot area of the project is 20117.24Sq.mt. having total construction area area 4,45,371Sq.mt. (FSI - 65,714.20 sq.mt + NON FSI- 1,13,052.83sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Residential tower	2B+G+5 parking floors + stilt +6 structural/service floors+3 fire check floors+45 habitable floors. the 5th parking floor above the public parking lot will be for residential parking	223.40 m
PPL	2B+G+4 parking floors (total 7 parking floors)	18.80m
Commercial building wing A	3B+3 office floors	12.30 m
Residential building Wing B	Stilt + 6 habitable floors	24.00 m

It is noted that the project earlier considered in 79th SEAC-2 meeting held on 28-11-2018 and ToR was accorded for the same. Accordingly PP Submitted the EIA report which was taken on record.

PP stated that, the project has received Environmental clearance vide letter dated 12th May 2017 for total built up area 1,59,739.22 and till now 1,45,795.27 Sq.mt construction hasdone on site.

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

compliance, form 1, 1A, presentation & plans submitted are taken on the record.			
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## DECISION OF SEAC

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

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

- 1) It is noted that representative of PP not submitted the authority letter. PP to submit the same along with copy of company resolution.
- 2) It is noted that the building configuration mentioned in the architect certificate & in PPT not matching. PP to submit the detail revised dated architect certificate addressed to committee.
- 3) Structural Engineer & design engineer to remain present for meeting to explain the proposal in detail.

## FINAL RECOMMENDATION

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

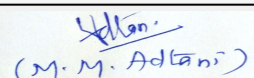
SEAC-AGENDA-0000000250



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**Shri M.M. Adtani (Chairman  
SEAC-II)**


## Agenda of 96th Meeting of State Expert Appraisal Committee (SEAC-2)

**SEAC Meeting number: 96 Meeting Date April 15, 2019**

**Subject:** Environment Clearance for Environmental Clearance for Proposed Expansion in Residential cum Commercial project On plot bearing S. No. 20/1, 20/2/B/1, 20/2/B/2, 21/9, 21/11A, 22/1, 22/5, 23/2/1, 23/3/1, 23/4 Village - Vadavali, Thane (W), Tal. & Dist. - Thane by Sai Pushp Enterprises

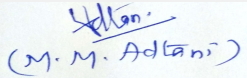
**Is a Violation Case:** No

<b>1.Name of Project</b>	Sai Pushp Enterprises
<b>2.Type of institution</b>	Private
<b>3.Name of Project Proponent</b>	Ameeta Ambekar , Sai Pushp Enterprises Address: Puraniks One, KanchanPushp, Ghodbunder Road, Kavesar, Thane West - 400615
<b>4.Name of Consultant</b>	Dr. D. A. Patil, Mahabal Enviro 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>	Expansion
<b>7.If expansion/diversification, whether environmental clearance has been obtained for existing project</b>	We have Received the EC wide letter No. F. No./21-62/2014.IA.III dated. 18th June, 2015 for the plot area 17,800 m2 having FSI 31,711.09 m2 & the Total Construction area 77,351.70 m2. As per EC received we have started the construction. Now, we have proposed to amalgamate said plot with the adjacent plot of 6,820 m2. After Expansion the total plot area is 24,620.00 m2 & total construction area is 116398.75 m2.
<b>8.Location of the project</b>	On plot bearing S. No.: S. No. 20/1, 20/2/B/1, 20/2/B/2, 21/9, 21/11A, 22/1, 22/5, 23/2/1, 23/3/1, 23/4 at village Vadavali, Thane (W), Tal. & Dist. - Thane
<b>9.Taluka</b>	Thane
<b>10.Village</b>	Vadavali
<b>Correspondence Name:</b>	Ameeta Ambekar, Sai Pushp Enterprises
<b>Room Number:</b>	-
<b>Floor:</b>	-
<b>Building Name:</b>	Puraniks One, KanchanPushp
<b>Road/Street Name:</b>	Ghodbunder Road, Kavesar
<b>Locality:</b>	-
<b>City:</b>	Thane West - 400615
<b>11.Area of the project</b>	Thane Municipal Corporation
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	- <b>IOD/IOA/Concession/Plan Approval Number:</b> For Tokyo Bay I: Obtained Permission/CC from TMC vide letter no. TMC/TDD/2538/18 dated 12-3-2018 (VP SO6/0235/16) For Tokyo Bay II: Obtained Permission from TMC vide letter no. TMC/TD-DP/TPS/1725/16 dated 17-3-2016 (VP SO6/0230/16) <b>Approved Built-up Area:</b> 69390.08
<b>13.Note on the initiated work (If applicable)</b>	Work completed till today is 20370.54 m2
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	NA
<b>15.Total Plot Area (sq. m.)</b>	24,620.00 m2
<b>16.Deductions</b>	3382.65 m2
<b>17.Net Plot area</b>	19949.83 m2
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> 52691.41 m2 <b>b) Non FSI area (sq. m.):</b> 63707.34 m2 <b>c) Total BUA area (sq. m.):</b> 116398.75
<b>18 (b).Approved Built up area as per DCR</b>	<b>Approved FSI area (sq. m.):</b> TB1: 18171.47 m2, TB2: 51218.61 m2 <b>Approved Non FSI area (sq. m.):</b> TB1: 8249.82 m2, TB2: 15732.55 m2 <b>Date of Approval:</b> 12-03-2018
<b>19.Total ground coverage (m2)</b>	14179.49 m2

  
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**Shri M.M.Adtani (Chairman SEAC-II)**

20. Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	57.59 %
21. Estimated cost of the project	3750000000

## 22. Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Tokyo Bay 1 (Wing A)	Gr+ Upper Stilt+16th Upper Floors	56.65
2	Tokyo Bay 1 (Wing B)	LG1+LG2+Upper Stilt + 16th Floor	56.65
3	Tokyo Bay 2 (Building No 1)	LG1+LG+Gr+1st TO 35th Floor	116.65
4	Tokyo Bay 2 (Building No 2)	LG1+LG+Gr+1st TO 35th Floor	116.65
5	Tokyo Bay 2 (Building No 3)	LG1+LG+Gr+1st TO 35th Floor	116.65
6	Tokyo Bay 2 (Building No 4)	LG1+LG+Gr+1st TO 43rd Floor	139.85

23. Number of tenants and shops	No of tenants: 1095 Nos. Commercial Area: 372.1
24. Number of expected residents / users	4983 Nos.
25. Tenant density per hectare	445/Ha
26. Height of the building(s)	
27. Right of way (Width of the road from the nearest fire station to the proposed building(s))	Project Site is accessible by 40 m wide & 20 m wide DP Roads.
28. Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29. Existing structure (s) if any	Nil
30. Details of the demolition with disposal (If applicable)	Not required

## 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>Mr. Surykant Nikam</b> (Secretary SEAC-II)	<b>SEAC Meeting No: 96 Meeting Date: April 15, 2019</b>	<b>Page 72</b> <b>of 92</b>	 <b>Shri M.M. Adtani (Chairman SEAC-II)</b>
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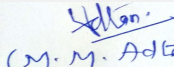


Dry season:	Source of water	TMC							
	Fresh water (CMD):	446							
	Recycled water - Flushing (CMD):	223							
	Recycled water - Gardening (CMD):	28							
	Swimming pool make up (Cum):	-							
	Total Water Requirement (CMD) :	669							
	Fire fighting - Underground water tank(CMD):	As per NBC							
	Fire fighting - Overhead water tank(CMD):	As per NBC							
	Excess treated water	367							
Wet season:	Source of water	TMC+RWH							
	Fresh water (CMD):	403							
	Recycled water - Flushing (CMD):	223							
	Recycled water - Gardening (CMD):	-							
	Swimming pool make up (Cum):	-							
	Total Water Requirement (CMD) :	669							
	Fire fighting - Underground water tank(CMD):	As per NBC							
	Fire fighting - Overhead water tank(CMD):	As per NBC							
	Excess treated water	395							
Details of Swimming pool (If any)	NA								
<b>33.Details of Total water consumed</b>									
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


  
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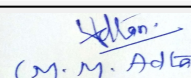
  
 (M. M. Adtani)  
**Shri M.M.Adtani (Chairman SEAC-II)**

<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	Ground water table at depth of 3 to 4m
	<b>Size and no of RWH tank(s) and Quantity:</b>	90 m <sup>3</sup>
	<b>Location of the RWH tank(s):</b>	Underground
	<b>Quantity of recharge pits:</b>	-
	<b>Size of recharge pits :</b>	-
	<b>Budgetary allocation (Capital cost) :</b>	21 lacs
	<b>Budgetary allocation (O &amp; M cost) :</b>	1.0 Lacs/Year
	<b>Details of UGT tanks if any :</b>	Underground
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	The slope of the plot is towards South-West side
	<b>Quantity of storm water:</b>	The storm water generation 0.72 m <sup>3</sup> /s
	<b>Size of SWD:</b>	650 mm x 650 mm wide internal SWD drains
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	Sewage Generation:- 625 KLD
	<b>STP technology:</b>	MBBR
	<b>Capacity of STP (CMD):</b>	STP 1:- 100 KLD, STP 2:- 400 KLD, STP 3:- 180 KLD
	<b>Location &amp; area of the STP:</b>	Underground Total Area of STP: 545 m <sup>2</sup>
	<b>Budgetary allocation (Capital cost):</b>	Rs143 Lakh
	<b>Budgetary allocation (O &amp; M cost):</b>	Rs.27 Lakh/year
<b>36.Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	Construction debris: 3380 m <sup>3</sup>
	<b>Disposal of the construction waste debris:</b>	The construction debris waste will be disposed as per Construction debris and demolition waste management Rule 2016
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	992 kg/day
	<b>Wet waste:</b>	1488 kg/day
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	6 kg/day
	<b>Others if any:</b>	NA

  
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<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Dry garbage will be 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>	NA
<b>Area requirement:</b>	<b>Location(s):</b>	On ground
	<b>Area for the storage of waste &amp; other material:</b>	110 m <sup>2</sup>
	<b>Area for machinery:</b>	55 m <sup>2</sup>
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs. 60 Lakh
	<b>O &amp; M cost:</b>	Rs. 24 Lakh/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		
42. Mode of Transportation of fuel to site		Not applicable		

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<b>43.Green Belt Development</b>	<b>Total RG area :</b>	Total RG Required: 4987.46 m2 Total RG Proposed: 5560.67 m2
	<b>No of trees to be cut :</b>	Existing trees on site: 16 Nos. Trees to be cut/transplanted: 16Nos.
	<b>Number of trees to be planted :</b>	371 Nos.
	<b>List of proposed native trees :</b>	Given below
	<b>Timeline for completion of plantation :</b>	Within 2 years of completion of construction activity

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	ERYTHRINA INDICA	Pangara	22	As medicinal value, Bird and insect attractive.
2	ARECA CATECHU	areca palm	265	Reaching 60 feet (20 meter) tall; trunk diameter is 8 - 12 inch (20 - 30 cm). Trunk: solitary, slender and erect.
3	BAUHINIA PURPUREA	Apta	56	Small tree with small white flowers, Butterfly host plant
4	FILICIUM DECIPIENS	Fern Tree	24	Fern Tree is a medium-sized tree, native to the Western Ghats. Leaves are pinnate, leaflets 6-8 pair, smooth, shining, opposite or some alternate, stalkless, linear oblong, 4-6 inches long, with a prominent midrib
5	PUTRANGIA ROXBURGHII	Lucky Bean Tree	4	It has pendant branches and dark grey bark having horizontal lenticels. Leaves are simple, alternately arranged, dark green, shiny, elliptic-oblong, distantly serrated.

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

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

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

#### 47.Energy

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<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	250 kVA
	<b>DG set as Power back-up during construction phase</b>	250 kVA
	<b>During Operation phase (Connected load):</b>	4687 KW
	<b>During Operation phase (Demand load):</b>	3189 KW
	<b>Transformer:</b>	4 X 1000 kVA, 2 X 630 kVA
	<b>DG set as Power back-up during operation phase:</b>	1 X 125 kVA, 1 X 200 kVA
	<b>Fuel used:</b>	HSD
	<b>Details of high tension line passing through the plot if any:</b>	NIL

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

Solar PV Hot water to Residential Buildings, Solar Street lighting in landscape , common area passages

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

Serial Number	Energy Conservation Measures	Saving %
1	<ul style="list-style-type: none"> <li>• Use of Energy Efficient Pumps &amp; Motors for firefighting, UG Tanks and STP</li> <li>• Energy efficient lighting fixtures (LED lights) to buildings</li> <li>• Use of energy efficient lifts</li> <li>• Efficient wall systems like solid blocks with fly ash content</li> <li>• Natural shading through elevation features of chajjas to minimize heat gain and reduce air-conditioning requirement</li> </ul>	>20 %

#### 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.34 Lakh
	<b>O &amp; M cost:</b>	Rs. 1.7 Lakh/year

### 51. Environmental Management plan Budgetary Allocation

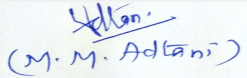
#### a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water spray for dust suppression	-	4
2	Site sanitation Facility and its maintenance	-	3

  
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3	Potable Water Supply to Labour	-	3
4	Solid waste management	-	4
5	Disinfection	-	3
6	Safety Personal Protective Equipment	(Helmets, Safety Shoes, Safety Belt, Goggles, Hand Gloves etc.)	4
7	Traffic Management (Sign Boards, Persons, at entry exit and Parking area)	-	2
8	Safety nets	-	5
9	Safety Training to Workers (Twice in Year), Safety Officer	-	5
10	Environmental Monitoring	(As per the CPCB guidelines through MoEF&CC Approved laboratories - Ambient Air-RSPM, PM2.5, SO2, NOx, CO), Noise: Leq day time and Night Time)	2

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

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP (Tertiary)	-	143	27
2	Solar System	-	34	1.7
3	Rainwater harvesting	-	21	1
4	Solid Waste Composting plant	-	60	24
5	Landscape	-	56	6
6	Environmental Monitoring	-	-	4

**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**

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	<b>Nos. of the junction to the main road &amp; design of confluence:</b>	Project Site is accessible by 40 m wide & 20 m wide DP Roads.
<b>Parking details:</b>	<b>Number and area of basement:</b>	No Basement
	<b>Number and area of podia:</b>	Total 3 No's of Podium in each building with the total area of 33011.16 m2
	<b>Total Parking area:</b>	Total Parking Area: 33011.16 m2
	<b>Area per car:</b>	30 m2
	<b>Area per car:</b>	30 m2
	<b>Number of 2-Wheelers as approved by competent authority:</b>	2 W Required: 1114 Nos 2 W Proposed: 1115 Nos
	<b>Number of 4-Wheelers as approved by competent authority:</b>	4W Required: 810 Nos 4W Proposed: 1099 Nos
	<b>Public Transport:</b>	-
	<b>Width of all Internal roads (m):</b>	6.00 Wide
	<b>CRZ/ RRZ clearance obtain, if any:</b>	NA
	<b>Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries</b>	Sanjay Gandhi National Park - Approx 500 m from the Proposed Project Site
	<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>	-
	<b>Have you previously submitted Application online on MOEF Website.</b>	No
	<b>Date of online submission</b>	-

## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorisred in brief information of Project as below.

### Brief information of the project by SEAC

 <b>Mr. Surykant Nikam</b> (Secretary SEAC-II)	<b>SEAC Meeting No: 96 Meeting Date: April 15, 2019</b>	<b>Page 79</b> <b>of 92</b>	 <b>Shri M.M.Adtani (Chairman SEAC-II)</b>
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Representative of PP MS. Ameeta Ambekar was present during present during the meeting along with environmental consultant: M/s Mahabal Enviro Engineers Pvt. Ltd.

PP informed that, the project under consideration is *proposed Expansion Housing Project*. PP further stated that, the total plot area of the project is 24,620.00 Sq.mt. having total construction area 116398.75 Sq.mt. (FSI - 52691.41 Sq.mt. + NON FSI- 63707.34 Sq.mt.) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Tokyo Bay 1 (Wing A)	Gr+ Upper Stilt+16th Upper Floors	56.65
Tokyo Bay 1 (Wing B)	LG1+LG2+Upper Stilt + 16th Floor	56.65
Tokyo Bay 2 (Building No 1)	LG1+LG+Gr+1st TO 35th Floor	116.65
Tokyo Bay 2 (Building No 2)	LG1+LG+Gr+1st TO 35th Floor	116.65
Tokyo Bay 2 (Building No 3)	LG1+LG+Gr+1st TO 35th Floor	116.65
Tokyo Bay 2 (Building No 4)	LG1+LG+Gr+1st TO 43rd Floor	139.85

PP stated that, the project has Received the EC vide letter dated 18th June, 2015 for the plot area 17,800 Sq.mt having FSI 31,711.09 Sq.mt & the Total Construction area 77,351.70 Sq.mt and as per EC received construction done on site 13,711.09 Sq.mt.

PP further stated that, now, they have amalgamated adjacent plot of 6,820 Sq.mt. and so the total plot area 24,620.00 m2 with total construction area 116398.75 m2.

PP further stated that, the total potential of the adjoining plot of 6820 Sq.mt having survey no 20/1,20/2/B/1,20/2/B/2 was less than 20000Sq.mt total built up area 18787.95 Sq.mt & accordingly construction was started on site as per the approval received from TMC. PP informed that, as of today total construction carried out on this plot was 15,331.86 Sq.mt.

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

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

**Mr. Surykant Nikam**  
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## DECISION OF SEAC

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

### Specific Conditions by SEAC:

- 1) It is noted that, in PPT the construction carried out on plot which have earlier EC was mentioned as 13,871.25 Sq.mt. while in CS it is mentioned as 20370.54 Sq.mt. PP to submit the explanation along with detailed architect certificate.
- 2) PP to submit the letter from local planning authority regarding the actual full potential of plot having survey no 20/1,20/2/B/1,20/2/B/2 at the time when construction initiated.
- 3) PP to submit detail of ownership of amalgamated plot with chronology.

## FINAL RECOMMENDATION

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

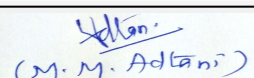
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(Secretary SEAC-II)**

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**Shri M.M. Adtani (Chairman  
SEAC-II)**


## Agenda of 96th Meeting of State Expert Appraisal Committee (SEAC-2)

**SEAC Meeting number: 96 Meeting Date April 15, 2019**

**Subject:** Environment Clearance for Expansion of Slum Rehabilitation Scheme at Plot bearing C.S. No. 426, 427(pt), 431, 1/431, 432(pt.), 1/437, 437(pt.), 440(pt.), 645(pt), 646(pt), 648(pt) 649 (pt), 650 (pt),651(pt), 654, 655(pt), 657(pt) 658(pt), 659(pt), 854,869,870,871 of Parel Sewri division & CS No. 155(pt), 174(pt), 176(pt), 1/177 ,185(pt), 1038, 1039 of Dadar Naigaon division.,F/South ward of MCGM. by M/s Omkar Realtors and Developers Pvt. Ltd.

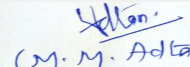
**Is a Violation Case:** No

<b>1.Name of Project</b>	Expansion of Slum Rehabilitation Scheme at Plot bearing C.S. No. 426, 427(pt), 431, 1/431, 432(pt.), 1/437, 437(pt.), 440(pt.), 645(pt), 646(pt), 648(pt) 649 (pt), 650 (pt),651(pt), 654, 655(pt), 657(pt) 658(pt), 659(pt), 854,869,870,871 of Parel Sewri division & CS No. 155(pt), 174(pt), 176(pt), 1/177 ,185(pt), 1038, 1039 of Dadar Naigaon division.,F/South ward of MCGM. by M/s Omkar Realtors and Developers Pvt. Ltd.
<b>2.Type of institution</b>	Private
<b>3.Name of Project Proponent</b>	M/s. Omkar Realtors and Developers Pvt. Ltd
<b>4.Name of Consultant</b>	M/s. Enviro Analysts & Engineers Pvt. Ltd.
<b>5.Type of project</b>	Slum Rehabilitation Scheme
<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>	Environmental clearance on 14th February 2019 vide No. SEIAA-EC-0000000682 for total construction area of 941746.21 sq.m.
<b>8.Location of the project</b>	C.S. No. 426, 427(pt), 1/431, 431, 432(pt.), 1/437, 437(pt.), 440(pt.), 645(pt), 646(pt), 648(pt) 649 (pt), 650 (pt),651(pt), 654, 655(pi), 657(pt),658(pt), 659(pt), 854,869,870,871 of Parel Sewri division & CS No. 155(pt), 174(pt), 176(pt), 1/177 ,185(pt), 1038, 1039 of Dadar Naigaon division.,F/South ward of MCGM.
<b>9.Taluka</b>	Mumbai
<b>10.Village</b>	Parel- Sewri Division & Dadar- Naigoan Division
<b>Correspondence Name:</b>	M/s Omkar Realtors and Developers Pvt. Ltd.
<b>Room Number:</b>	-
<b>Floor:</b>	-
<b>Building Name:</b>	-
<b>Road/Street Name:</b>	Off Eastern Express Highway, Opp. Sion-Chunnabhatti Signal
<b>Locality:</b>	Sion East
<b>City:</b>	Mumbai
<b>11.Area of the project</b>	Municipal Corporation of greater Mumbai (MCGM)
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	Yes <b>IOD/IOA/Concession/Plan Approval Number:</b> SRA/ENG/1678/FS/ML&PL/LOI dtd 01 February 2019 <b>Approved Built-up Area:</b> 394312.95
<b>13.Note on the initiated work (If applicable)</b>	Construction work is in process as per previous EC received dtd 14.02.2019
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	LOI received vide letter no. SRA/ENG/1678/FS/ML&PL/LOI dtd 01 February 2019
<b>15.Total Plot Area (sq. m.)</b>	1,07,988.64 sq.m
<b>16.Deductions</b>	29,300.43 sq.m.
<b>17.Net Plot area</b>	78,688.21 sq.m.
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> 489148.63 (Including Fungible FSI) <b>b) Non FSI area (sq. m.):</b> 722200.41 (Including temporary transit bldgs.) <b>c) Total BUA area (sq. m.):</b> 1211349.04
<b>18 (b).Approved Built up area as per DCR</b>	<b>Approved FSI area (sq. m.):</b> 3,94,312.95 <b>Approved Non FSI area (sq. m.):</b> 722200.41 sq.m <b>Date of Approval:</b> 01-02-2019

  
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19.Total ground coverage (m2)	45204.42 sq.m
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	57.44 %
21.Estimated cost of the project	22230000000

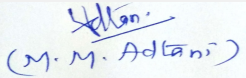
## 22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Rehab Bldg no. 1: Wing A to C	Gr +23 Flrs	69.95
2	Rehab Bldg no. 1: Wing D to E	Gr +22 Flrs	68.45
3	Rehab Bldg no. 1: Wing F	Gr +22 Flrs	69.50
4	Rehab Bldg No.2	Gr +23 Flrs	69.75
5	Rehab Bldg No.3: Wing A to C	Basement (Services)+Gr + 40 floors	119.80
6	Rehab Bldg No.3: Wing D to G	Basement (Services)+Gr + 23 floors	69.70
7	Rehab Bldg No.4	Basement (Services)+Gr + 40 floors	119.05
8	Rehab Bldg No.5: Wing A & B	Basement (Services)+Gr + 40 floors	119.80
9	Sale Bldg no. 1: Wing I	1 Lower Grd Flr + Gr. Flr+ 1st to 5th Podium+ Amenity Flr + 54 Flrs	223.86
10	Sale Bldg no. 1: Wing J	1 Lower Grd Flr + Gr. Flr+ 1st to 5th Podium+ Amenity Flr + 54 Flrs	206.65
11	Sale Bldg no. 1: Wing K	1 Lower Grd Flr + Gr. Flr+ 1st to 5th Podium+ Amenity Flr + 49 Flrs	190.65
12	Sale Bldg no. 1: Wing L	4 Lower Grd Floor + Gr. Flr + 1st to 5th Podium+ Amenity Flr + 43 Flrs	171.45
13	Sale Bldg no. 1: Wing M	4 Lower Grd Floor + Gr. Flr + 1st to 5th Podium+ Amenity Flr + 41 Flrs	165.05
14	Sale Bldg no. 1: Wing N	4 Lower Grd Floor + Gr. Flr + 1st to 5th Podium+ Amenity Flr + 47 Flrs	184.25
15	Sale Bldg. No. 2	Ground + 20th (pt) Flrs	62.20
16	Composite Bldg No.1: Rehab Wings A, B & C	Gr + 23 Floors	69.85
17	Composite Bldg No.1: Sale Wing A & B	Part Basement+ Gr + 4 Podiums + 5th Amenity floors + 27 upper Flrs	111.00
18	Composite Bldg No.2 ( Wing A to C)	B+Gr+2 Flrs	15.00
19	Composite Bldg No.2: School Bldg	G + 3 Flrs	15.00
20	Bhoiwada School Bldg.	G +5 Flrs	22.20
21	Sale Bldg No.4	2 Basements + Lower Ground +Ground floor +9 Podium + Stilt Floor + 1st to 62nd floor	231.20
22	Temporary Transit Bldgs. (1to 4)	Gr+7 upper Floor	20.95

  
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23.Number of tenants and shops	Rehab: - 5993 nos. Sale:-3104 nos.
24.Number of expected residents / users	46316 nos
25.Tenant density per hectare	1157 tenant/hector
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	Access through Jerabai wadia road 12.20 m wide & 13.40 m wide D.P road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m to 12 m
29.Existing structure (s) if any	Since it is an ongoing project there are under construction buildings on site.
30.Details of the demolition with disposal (If applicable)	Nil

### 31.Production Details

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

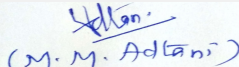
### 32.Total Water Requirement

Dry season:	Source of water	MCGM / treated water from STP
	Fresh water (CMD):	3999
	Recycled water - Flushing (CMD):	2034
	Recycled water - Gardening (CMD):	73
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	6106
	Fire fighting - Underground water tank(CMD):	Will be provided during EIA
	Fire fighting - Overhead water tank(CMD):	Will be provided during EIA
	Excess treated water	2860

  
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Wet season:	Source of water	MCGM / treated water from STP/RWH
	Fresh water (CMD):	3999
	Recycled water - Flushing (CMD):	2034
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	6033
	Fire fighting - Underground water tank(CMD):	Will be provided during EIA
	Fire fighting - Overhead water tank(CMD):	Will be provided during EIA
	Excess treated water	2933
Details of Swimming pool (If any)	NA	

### 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

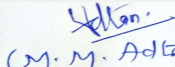
34.Rain Water Harvesting (RWH)	Level of the Ground water table:	8.7 m to 9.5 m
	Size and no of RWH tank(s) and Quantity:	Will be provided during EIA
	Location of the RWH tank(s):	Below ground
	Quantity of recharge pits:	Nil
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Will be provided during EIA
	Budgetary allocation (O & M cost) :	Will be provided during EIA
	Details of UGT tanks if any :	-

35.Storm water drainage	Natural water drainage pattern:	Natural drainage pattern will be maintained
	Quantity of storm water:	Will be provided during EIA
	Size of SWD:	Will be provided during EIA

  
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<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	5464 KLD
	<b>STP technology:</b>	MBBR & SBR
	<b>Capacity of STP (CMD):</b>	5635 KLD
	<b>Location &amp; area of the STP:</b>	Below Ground
	<b>Budgetary allocation (Capital cost):</b>	Will be provided during EIA
	<b>Budgetary allocation (O &amp; M cost):</b>	Will be provided during EIA

### 36. Solid waste Management

<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	Excavated waste material generated will be reused for backfilling and rest shall be disposed by covered trucks to the authorized landfill sites with permission from Municipal authority.
	<b>Disposal of the construction waste debris:</b>	Used for filling the plot and maintaining natural slopes. Construction debris shall be used for temporary leveling of site and internal roads. Remaining debris will be disposed off as per debris management plan.
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	9201 kg/day
	<b>Wet waste:</b>	13346 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>	NA
<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	To be handed 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>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	To be used as manure
	<b>Others if any:</b>	NA
<b>Area requirement:</b>	<b>Location(s):</b>	Ground level
	<b>Area for the storage of waste &amp; other material:</b>	Will be provided during EIA
	<b>Area for machinery:</b>	Will be provided during EIA
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Will be provided during EIA
	<b>O &amp; M cost:</b>	Will be provided during EIA

### 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

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

### 38.Hazardous Waste Details

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

### 39.Stacks emission Details

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

### 40.Details of Fuel to be used

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

41.Source of Fuel

Not applicable

42.Mode of Transportation of fuel to site


Not applicable

### 43.Green Belt Development

<b>Total RG area :</b>	Layout & DP RG: Layout RG - 9659.16& DP RG: 8816.34 sq. m. RG on podium: 2755.92 sq.m
<b>No of trees to be cut :</b>	7 nos.
<b>Number of trees to be planted :</b>	482 nos.
<b>List of proposed native trees :</b>	As listed below
<b>Timeline for completion of plantation :</b>	At the end of construction phase

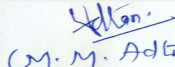
### 44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Saraca asoca	Sita Ashok/ true Ashik	25	Evergreen tree
2	Azadirachta indica	Kadunimb	31	Medicinal Tree
3	Michelia champaca	Son-chafa	32	Flowering Plant
4	Gardenia jasminoides	Anant	20	Flowering plant
5	Mangifera indica	Mango	17	Fruit Tree
6	Ficus glomerata	Umber	24	Fruit Tree

  
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7	Mimusops elengi	Bakul	25	Evergreen tree
8	Polyalthia longifolia	Ashok	20	Evergreen tree
9	Couroupita guianensis	Kailas-chafa	23	Flowering plant
10	Cocos nucifera	Coconut	18	Fruit Tree
11	Cynodon dactylon	Durva	28	grass
12	Wedelia sp.	Wedelia	30	Wedelia
13	Bauhinia purpurea	Bauhonia	25	Flowering plant
14	Plumeria alba	Chafa	35	Flowering plant
15	Psidium guajava	Guava/ Peru	31	Fruit Tree

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

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

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

**47.Energy**

<b>Power requirement:</b>	<b>Source of power supply :</b>	Brihanmumbai Electric Supply and Transport (BEST)
	<b>During Construction Phase: (Demand Load)</b>	150 kW
	<b>DG set as Power back-up during construction phase</b>	200 kVA
	<b>During Operation phase (Connected load):</b>	Will be provided during EIA
	<b>During Operation phase (Demand load):</b>	Will be provided during EIA
	<b>Transformer:</b>	Will be provided during EIA
	<b>DG set as Power back-up during operation phase:</b>	Will be provided during EIA
	<b>Fuel used:</b>	HSD
	<b>Details of high tension line passing through the plot if any:</b>	Yes

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

- External lighting on solar.
- Lifts will be with VFD drives and soft starters, which will result in overall 20 % power saving.
- Common Area Lighting, mainly LED lights with timer control operation
- Solar Hot Water Generation for apartment

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

Serial Number	Energy Conservation Measures	Saving %
1	Overall energy saving for the proposed building	Will be provided during EIA

**50.Details of pollution control Systems**

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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>	Will be provided during EIA
	<b>O &amp; M cost:</b>	Will be provided during EIA

## 51.Environmental Management plan Budgetary Allocation

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

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	EHS	Toilets for labour + drinking water + first aid arrangement	11.00
2	Health and Safety of Laborers	Health, safety & first aid facility	15.00
3	Environmental Monitoring	Environmental Monitoring	1.00
4	Environmental Monitoring Cell	Environmental Monitoring Cell	1.00
5	Environmental Monitoring (Noise, Water & Soil-Project site (4 times a year)	Environmental Monitoring (Noise, Water & Soil-Project site (4 times a year)	20.00

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

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Water Environment	Rain Water Harvesting	Will be provided during EIA	Will be provided during EIA
2	Water Environment	STP	Will be provided during EIA	Will be provided during EIA
3	Energy	Solar System	Will be provided during EIA	Will be provided during EIA
4	Solid Waste Management	OWC	Will be provided during EIA	Will be provided during EIA
5	Land Environment	Landscaping	Will be provided during EIA	Will be provided during EIA

## 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

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	<b>Nos. of the junction to the main road &amp; design of confluence:</b>	The project site is accessible through the existing 24.38 m wide Jerabai wadia road & 12.00 m wide DP road
<b>Parking details:</b>	<b>Number and area of basement:</b>	Total 9 Nos of basement/ Lower Ground in all the buildings of the layout with a total area of 65583.11 sq.mt.
	<b>Number and area of podia:</b>	Total 18 Nos of Podium in all the buildings of the layout with a total area of 157189.56 sq.mt
	<b>Total Parking area:</b>	151512.42 sq.m
	<b>Area per car:</b>	31.23 sq.m
	<b>Area per car:</b>	31.23 sq.m
	<b>Number of 2-Wheelers as approved by competent authority:</b>	-
	<b>Number of 4-Wheelers as approved by competent authority:</b>	4851
	<b>Public Transport:</b>	NA
	<b>Width of all Internal roads (m):</b>	Minimum 6 m wide
	<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>	Schedule 8(b), Category B
	<b>Court cases pending if any</b>	NA
	<b>Other Relevant Informations</b>	The details provided are as per the full potential of the project anticipating future expansion.
	<b>Have you previously submitted Application online on MOEF Website.</b>	No
	<b>Date of online submission</b>	-

## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summarised in brief information of Project as below.

### Brief information of the project by SEAC

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

PP informed that, the project under consideration is proposed Slum Rehabilitation Scheme. PP stated that, the project has received EC, vide letter dated 14<sup>th</sup> February 2019 for total construction area of 9,41,746.21 sq.m. PP further stated that, the proposed project was presented for TOR in 93<sup>rd</sup> SEAC-II meeting and has received the same for construction area of 11,05,824.21 sq.mt. but due to considering potential increase in eligibility of tenements, they are revising the proposal considering full potential of the project anticipating future expansion hence requested for amendment in ToR .

PP further stated that, the total plot area of the project is 107988 Sq.mt. having total construction area 1211349.04 Sq.mt (Including Temporary Transit Bldgs) (FSI- 489148.63Sq.mt (Including Fungible FSI). +NON FSI- 722200.41 Sq.mt.)

PP stated that, the project has earlier received EC vide letter dated 14/2/2019 for total built up area 941746.21 Sq.mt.

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

## DECISION OF SEAC

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**Committee approved the ToR with following observations & additions, which is valid upto 15/4/2022. EIA will be apprised as & when submitted. Meanwhile PP should comply following points.**

**Specific Conditions by SEAC:**

- 1) PP to submit the both judgement orders regarding alleged reduction of RG reservation from 100% to 35%.
- 2) PP to submit the comparative statement regarding baseline data, EIA & proposed expansion.
- 3) PP to submit the HRC NoC.
- 4) PP to submit & upload wind analysis, shadow analysis, traffic analysis, light and ventilation analysis and measures to reduce heat island effect.
- 5) PP to ensure ECBC norms are complied.
- 6) PP to retain the fire checks floor as per earlier EC, if there is any change proposed, PP to obtain CFO NoC first.
- 7) PP to submit the dated Architect certificate addressed to committee regarding building-wise construction done on site as per earlier EC
- 8) PP to ensure that, the fire tender movement should be from all around the building.
- 9) PP to submit & upload the design & cross section of STPs indicating 40% area open to sky for adequate ventilation.
- 10) PP to submit & upload LoI by SRA for proposed project.
- 11) PP to submit the detail biodiversity chapter in EIA considering the eco-sensitivity of the site.
- 12) PP to submit CER as per MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project or Environment Department may direct PP to undertake CER work in identified area, as identified by Environment Department.
- 13) PP to also refer standard ToR published by MoEF vide order dated 10/04/15 in addition to above.

**FINAL RECOMMENDATION**

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

SEAC-AGENDA-000000250