

## Agenda of 100th Meeting of State Expert Appraisal Committee-2 (SEAC-2)


**SEAC Meeting number: 100 Meeting Date May 20, 2019**

**Subject:** Environment Clearance for Environmental Clearance (EC) for Proposed Development with Sale and PTC Component at Village- Hariyali, Kanjur (W), Mumbai.

**Is a Violation Case:** No

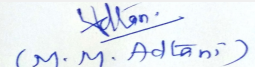
1.Name of Project	Proposed Development with Sale and PTC Component
2.Type of institution	Private
3.Name of Project Proponent	M/s. Kanakia Spaces Realty Pvt. Ltd.
4.Name of Consultant	M/s. Ultra-Tech
5.Type of project	Proposed Development with Sale and PTC Component
6.New project/expansion in existing project/modernization/diversification in existing project	New
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not Applicable
8.Location of the project	C.T.S. No(s) 110/A, 110/11 To 110/37 Village- Hariyali, LBS Road, Kanjur (W) situated in S Ward, Tal.: Kurla, Mumbai.
9.Taluka	Kurla
10.Village	Hariyali
Correspondence Name:	M/s. Kanakia Spaces Realty Pvt. Ltd.
Room Number:	--
Floor:	10th Floor
Building Name:	215 Atrium
Road/Street Name:	Andheri Kurla Road
Locality:	Next to Courtyard Marriott Hotel, Opp. Divine Child High School, Andheri (East)
City:	Mumbai - 400093
11.Area of the project	Municipal Corporation of Greater Mumbai (M.C.G.M.)
12.IOD/IOA/Concession/Plan Approval Number	0
	<b>IOD/IOA/Concession/Plan Approval Number:</b>
	<b>Approved Built-up Area:</b>
13.Note on the initiated work (If applicable)	Not applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	--
15.Total Plot Area (sq. m.)	25,516.30 Sq. mt.
16.Deductions	3,751.26 Sq. mt.
17.Net Plot area	21,765.04 Sq. mt.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 106439.99 b) Non FSI area (sq. m.): 91025.43 c) Total BUA area (sq. m.): 197466
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): Approved Non FSI area (sq. m.): Date of Approval: 10-01-2019
19.Total ground coverage (m2)	12951.32
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	59.51
21.Estimated cost of the project	10736800000

## 22.Number of buildings & its configuration

  
**Mr. Surykant Nikam**  
(Secretary SEAC-II)

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

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Sale: 1 No. of building with 5 wings	--	--
2	Building 1: Wing A & B	Basement + Ground + 1st to 6th (PT. Residential & PT. Podium) + 7th to 33rd Upper Floors	104.90
3	Building 1: Wing C ,D & E:	Basement + Ground (Commercial) + 1st (Commercial) + 2nd to 6th (Pt. Residential & Pt. Podium) + 7th to 33rd Upper Floors	104.90
4	PTC: 3 Nos. of buildings with 7 wings	--	--
5	Building 2	Wing A & B: Ground + 22 Floors	69.20
6	Building 3	Wing C & D: Ground + 22 Floors	69.20
7	Building 4	Wing E, F & G: Ground + 22 Floors	69.20

<b>23.Number of tenants and shops</b>	Sale: Flats: 1078 Nos. ,Shops & Retail: 35 nos.,Fitness Centre: 5 nos., PTC: Flats: 760 nos., Balwadi,,Aanganwadi,Welfare center & library : 3 nos.,Soc. Offices: 8 nos.,Community Hall: 1 no.,
<b>24.Number of expected residents / users</b>	8651 nos.
<b>25.Tenant density per hectare</b>	872/ hectors
<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>	It is well connected by 30.50 mt. wide D. P. Road & 45.75 mt. wide Jogeshwari Vikhroli Link 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 mt.
<b>29.Existing structure (s) if any</b>	There is a closed down Indian Tube & Metal Industry on the project site which shall be demolished
<b>30.Details of the demolition with disposal (If applicable)</b>	Demolition debris and excavated material generated shall be partly reused on site for backfilling and leveling and remaining shall be sold out to scrap dealer/ disposal to authorized sites with permission from M.C.G.M.

### 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: 100 Meeting Date: May 20, 2019</b>	<b>Page 2 of 137</b>	 <b>Shri M.M.Adtani (Chairman SEAC-II)</b>
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Dry season:	Source of water	M.C.G.M./ Tanker water for Swimming pool make up								
	Fresh water (CMD):	760 KLD								
	Recycled water - Flushing (CMD):	382 KLD								
	Recycled water - Gardening (CMD):	37 KLD								
	Swimming pool make up (Cum):	3 KLD								
	Total Water Requirement (CMD) :	1182 KLD								
	Fire fighting - Underground water tank(CMD):	1000 KL								
	Fire fighting - Overhead water tank(CMD):	360 KL								
	Excess treated water	471 KLD								
Wet season:	Source of water	M.C.G.M / Tanker water for Swimming pool make up								
	Fresh water (CMD):	760 KLD								
	Recycled water - Flushing (CMD):	382 KLD								
	Recycled water - Gardening (CMD):	NA								
	Swimming pool make up (Cum):	3 KLD								
	Total Water Requirement (CMD) :	1145 KLD								
	Fire fighting - Underground water tank(CMD):	1000 KL								
	Fire fighting - Overhead water tank(CMD):	360 KL								
	Excess treated water	508 KLD								
Details of Swimming pool (If any)	Swimming pool of Total Volume: 240 cum									
<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	

<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	Between 7.0 mt. to 9.0 mt. below ground level
	<b>Size and no of RWH tank(s) and Quantity:</b>	NA
	<b>Location of the RWH tank(s):</b>	NA
	<b>Quantity of recharge pits:</b>	14 nos. of recharge pits
	<b>Size of recharge pits :</b>	3.0 mt. x 3.0 mt. x 4.0 mt.
	<b>Budgetary allocation (Capital cost) :</b>	49.00 Lacs
	<b>Budgetary allocation (O &amp; M cost) :</b>	0.84 Lacs
	<b>Details of UGT tanks if any :</b>	Location of UG tanks: Basement /Underground
<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 SWD
	<b>Quantity of storm water:</b>	0.63 m3/sec
	<b>Size of SWD:</b>	PTC: 450 mm dia. with slope of 1:400 Sale: 600 mm dia. with slope of 1:450
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	990 KLD
	<b>STP technology:</b>	MBBR (Moving Bed Bio Reactor)
	<b>Capacity of STP (CMD):</b>	2 Nos. of STPs of Total Capacity 1090 KL
	<b>Location &amp; area of the STP:</b>	Sale: Location - Basement Level & Area - 580 Sq. mt. PTC: Location - Underground & Area - 265.00 Sq. mt.
	<b>Budgetary allocation (Capital cost):</b>	Rs. 330.49 Lacs
	<b>Budgetary allocation (O &amp; M cost):</b>	Rs. 49.18 Lacs/annum
<b>36.Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	Excavation material shall be partly reused on site and remaining shall be disposed to authorized landfill site as per permission from M.C.G.M.
	<b>Disposal of the construction waste debris:</b>	Construction waste shall be partly reused/ recycled and remaining shall be disposed to the authorized site with the permission of M.C.G.M.
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	2275 Kg/day
	<b>Wet waste:</b>	1516 Kg/day
	<b>Hazardous waste:</b>	Not Applicable
	<b>Biomedical waste (If applicable):</b>	Not Applicable
	<b>STP Sludge (Dry sludge):</b>	148 kg/day
	<b>Others if any:</b>	Not Applicable

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<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	To Authorized Recycler
	<b>Wet waste:</b>	Organic Waste Converter
	<b>Hazardous waste:</b>	Not Applicable
	<b>Biomedical waste (If applicable):</b>	Not Applicable
	<b>STP Sludge (Dry sludge):</b>	Use as manure
	<b>Others if any:</b>	Not Applicable
<b>Area requirement:</b>	<b>Location(s):</b>	Basement and Ground
	<b>Area for the storage of waste &amp; other material:</b>	80.00 Sq.mt.
	<b>Area for machinery:</b>	24.00 Sq. mt.
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs. 18.00 Lacs
	<b>O &amp; M cost:</b>	Rs. 6.74 Lacs/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	DG Set	--	--	--	--	--

### 40. Details of Fuel to be used

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

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

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<b>43.Green Belt Development</b>	<b>Total RG area :</b>	5985.39 Sq. mt.
	<b>No of trees to be cut :</b>	154 Nos.
	<b>Number of trees to be planted :</b>	462 Nos.
	<b>List of proposed native trees :</b>	As mentioned below
	<b>Timeline for completion of plantation :</b>	At the time of completion of project

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Areca catechu	Supari palm	30	Used as an interior landscaping species.
2	Bahunia blakeana	Orchid tree	27	Shady flowering tree.
3	Caryota urence	Fishtail palm	28	Fishtail palm
4	Cassia fistula	Bahava	06	Flowering plant attracts birds and insects. Also planted as an avenue tree.
5	Casuarina	Suru	50	50
6	Lagerstroemia flos-reginae	Pride of india	05	Flowering tree attracts insects and helps to control soil erosion.
7	Michelia champaca	Champa	10	Flowering tree attracts birds and insects.
8	Murraya paniculata	Kamini	60	Flowering tree attracts insects and has medicinal properties
9	Neolamarkia cadamba	Cadamba	14	Fast growing shady tree. Flowering tree attracts insects
10	Plumeria alba	Temple tree	58	Flowering tree.
11	Saraca indica	Sita ashok	12	Shady evergreen tree.
12	Tabebuia rosea	Pink trumpet	02	Flowering tree having medicinal properties.
13	Wodyetia bifurcate	Foz-tail palm	68	Flowering and fruit bearing 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	Areca catechu: 32 Nos.	3.74 mt.	98.80 Sq.mt.
2	Murraya paniculata: 28 nos.	2.75 mt.	52.40 Sq.mt.
3	Plumeria alba: 32 Nos.	Avg. 2.15 mt. - 6.50 mt.	185.00 Sq.mt.

#### 47.Energy

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<b>Power requirement:</b>	<b>Source of power supply :</b>	TATA / Adani
	<b>During Construction Phase: (Demand Load)</b>	150 KW
	<b>DG set as Power back-up during construction phase</b>	As per requirement
	<b>During Operation phase (Connected load):</b>	10620 KW
	<b>During Operation phase (Demand load):</b>	5906 KW
	<b>Transformer:</b>	--
	<b>DG set as Power back-up during operation phase:</b>	Sale Building: 1 DG set of 1500 kVA capacity PTC Building: 1 DG set of 625 kVA capacity
	<b>Fuel used:</b>	HSD
	<b>Details of high tension line passing through the plot if any:</b>	--

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

- Use of LED Tubes & Lamps
- Use of advanced BEE 3 Star Rated AC Equipment's.
- Use of BEE 5 Star Rated Geysers/ Boilers.
- Provision of 30% of total hot water requirement on Solar.
- Provision of Solar PV panels
- Use of pumps and motors with premium efficiency of 80%.
- Use of energy efficient lifts with VVVF lift Drive.

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

Serial Number	Energy Conservation Measures	Saving %
1	Overall energy saving	20 %
2	Energy saving due to renewable energy	5 %

#### 50. Details of pollution control Systems


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

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs. 65.00 Lacs
	<b>O &amp; M cost:</b>	Rs. 3.25 Lacs/annum

### 51. Environmental Management plan Budgetary Allocation

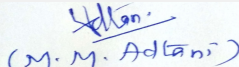
#### a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water for Dust Suppression	10.08

  
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2	Air Environment	Air and Noise Monitoring: On site Sensors	13.50
3	Air Environment	Air and Noise Monitoring: By outside MoEF & CC Approved Laboratory	1.54
4	Air Environment	EMP for Batching plant	1.61
5	Water Environment	Drinking water analysis	0.21
6	Land Environment	Site Sanitation	10.00
7	Health & Hygiene	Disinfection- Pest Control	8.40
8	Health & Hygiene	Health Check-up of workers	31.50
9	Cost towards Disaster Management	--	315.00


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

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air Environment & Biological Environment	Cost for Gardening	32.92	1.20
2	Air Environment & Biological Environment	Cost for Ambient air & Noise Monitoring	No set up cost is involved	0.22
3	Air Environment & Biological Environment	Maintenance of sensors - Air & Noise	Set up already considered in construction phase	0.50
4	Air Environment & Biological Environment	Cost for DG Stack Exhaust Monitoring	No set up cost is involved	0.02
5	WATER ENVIRONMENT - Waste water treatment	Cost for sewage Treatment Plant	294.49	47.13
6	WATER ENVIRONMENT - Cost for water & waste water Monitoring	On site sensors	36.00	2.00
7	WATER ENVIRONMENT - Cost for water & waste water Monitoring	By outside MoEF & CC Approved Laboratory	No set up cost is involved	0.05
8	WATER ENVIRONMENT - Water Conservation (Rain Water Harvesting System)	Cost for Recharge Pits	49.00	0.84
9	LAND ENVIRONMENT - Solid Waste Management	Cost for Treatment of biodegradable garbage in OWC	18.00	6.58

  
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10	LAND ENVIRONMENT - Solid Waste Management	Cost for Manure Monitoring	No set up cost is involved	0.16
11	ENERGY CONSERVATION	SOLAR ENERGY- Water heating	65.00	3.25
12	Solar Reflectors	Mitigation of Shadow Impact	25.64	0.26
13	DISASTER MANAGEMENT: Cost towards disaster management	--	1303.11	45.82

### 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

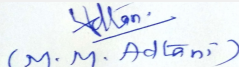
### 53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	2 Entry and 2 exit
Parking details:	Number and area of basement:	1 Basement (Area: 8566.47 Sq. mt.)
	Number and area of podia:	6 Podiums (Area: 29099.39 Sq. mt.)
	Total Parking area:	31885.77 Sq. mt.
	Area per car:	--
	Area per car:	--
	Number of 2-Wheelers as approved by competent authority:	276 Nos.
	Number of 4-Wheelers as approved by competent authority:	1592 Nos.
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	Min 6.00 mt.
	CRZ/ RRZ clearance obtain, if any:	Not Applicable

  
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	<b>Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries</b>	Sanjay Gandhi National Park: Approx 2.00 Km
	<b>Category as per schedule of EIA Notification sheet</b>	8 (b) B1
	<b>Court cases pending if any</b>	Not Applicable
	<b>Other Relevant Informations</b>	--
	<b>Have you previously submitted Application online on MOEF Website.</b>	Yes
	<b>Date of online submission</b>	11-01-2019

## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorisred in brief information of Project as below.

### Brief information of the project by SEAC

SEAC-AGENDA-0000000267


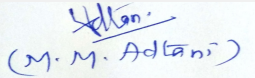
PP was present during the meeting along with environmental consultant M/s. Ultra-Tech.

PP informed that, the project under consideration is proposed development with Sale and PTC Component Project. PP further stated that, the total plot area of the project is 25,516.30 Sq.mt having total construction area 197466 Sq. mt. (FSI - 106439.99Sq.mt + NON FSI- 91025.43 Sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Sale: 1 No. of building with 5 wings	--	--
Building 1: Wing A & B	Basement + Ground + 1st to 6th (Pt. Residential & Pt. Podium) + 7th to 33rd Upper Floors	104.90
Building 1: Wing C ,D & E:	Basement + Ground (Commercial) + 1st (Commercial) + 2nd to 6th (Pt. Residential & Pt. Podium) + 7th to 33rd Upper Floors	104.90
PTC: 3 Nos. of buildings with 7 wings	--	--
Building 2 Wing	A & B: Ground + 22 Floors	69.20
Building 3 Wing	C & D: Ground + 22 Floors	69.20
Building 4 Wing	E, F & G: Ground + 22 Floors	69.20

It is noted that the ToR for the project accorded in 88th meeting held on 11.02.2019, and amendment in ToR was approved in 97<sup>th</sup> meeting held on 24.04.2019

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

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

### Specific Conditions by SEAC:

- 1) It is noted that FSI area of the project mentioned in the CS & PPT is 106439.99 Sq.mt while in approved plan it is mentioned as 1,06,500 Sq.mt. PP to clarify the actual FSI of the project.
- 2) PP to follow the all conditions laid in Nalla remark dated 29/12/2018.
- 3) PP to explore the possibility to provide more RG on mother earth
- 4) PP to submit the undertaking regarding STP will be having 40% ventilation & no fumes will be release in the basement.
- 5) As agreed by PP, PP to provide the natural tube in corridor where lux daylight is very low.
- 6) The PP to get NOC from competent authority with reference to Thane creek flamingo sanctuary if the project site falls within 10 Km radius from the said sanctuary boundary. The planning authority to ensure fulfilment of this condition before granting CC.
- 7) PP to submit CER prescribed by MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project. The specific activities to be 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

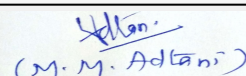
SEAC-AGENDA-0000000267



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

## Agenda of 100th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

**SEAC Meeting number: 100 Meeting Date May 20, 2019**

**Subject:** Environment Clearance for Industrial I. T. Building Project Viz. CTS No. 105, 105/1 to 38, 105/39 (pt), 105/39 (pt), 105/40-41, 105/42, 105/44 (pt), 106, 107 of Village Hariyali, L.B.S. Marg, Vikhroli (W), Mumbai, Maharashtra Proposed by Vikhroli Corporate Park Pvt. Ltd.


**Is a Violation Case:** Yes

<b>1.Name of Project</b>	Vikhroli Corporate Park Pvt. Ltd.
<b>2.Type of institution</b>	Private
<b>3.Name of Project Proponent</b>	Mr. Sandeep Tapadia; Vikhroli Corporate Park Pvt. Ltd.
<b>4.Name of Consultant</b>	Dr. D. A. Patil; Mahabal Enviro Engg. Pvt. Ltd.
<b>5.Type of project</b>	Industrial IT Park
<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>	CTS No. 105, 105/1 to 38, 105/39 (pt), 105/39 (pt), 105/40-41, 105/42, 105/44 (pt) , 106, 107 of Village Hariyali, L.B.S. Marg, Vikhroli (W), Mumbai, Maharashtra
<b>9.Taluka</b>	Kurla
<b>10.Village</b>	Hariyali
<b>Correspondence Name:</b>	Mr. Sandeep Tapadia; Vikhroli Corporate Park Pvt. Ltd.
<b>Room Number:</b>	-
<b>Floor:</b>	-
<b>Building Name:</b>	247 Park, Tower B
<b>Road/Street Name:</b>	LBS Marg
<b>Locality:</b>	Vikhroli (w)
<b>City:</b>	Mumbai- 400083
<b>11.Area of the project</b>	Municipal Corporation of Greater Mumbai (MCGM)
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	IOD dt 23.06.2006; CC dt 15.10.2006.
	<b>IOD/IOA/Concession/Plan Approval Number:</b> IOD dt 23.06.2006; CC dt 15.10.2006.
	<b>Approved Built-up Area:</b> 173384.36
<b>13.Note on the initiated work (If applicable)</b>	Total Constructed Work (FSI+ Non FSI) - Tower A: FSI: 79735 m <sup>2</sup> ; Total Constructed area: 169712 m <sup>2</sup>
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	IOD dt 23.06.2006 CC dt 15.10.2006.
<b>15.Total Plot Area (sq. m.)</b>	50636 m <sup>2</sup>
<b>16.Deductions</b>	6029.96 m <sup>2</sup>
<b>17.Net Plot area</b>	44600 m <sup>2</sup>
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> 83,408.18 m <sup>2</sup>
	<b>b) Non FSI area (sq. m.):</b> 89,976.18 m <sup>2</sup>
	<b>c) Total BUA area (sq. m.):</b> 173384.36
<b>18 (b).Approved Built up area as per DCR</b>	<b>Approved FSI area (sq. m.):</b> 83,408.18 m <sup>2</sup>
	<b>Approved Non FSI area (sq. m.):</b> 89,976.18 m <sup>2</sup>
	<b>Date of Approval:</b> 23-06-2006
<b>19.Total ground coverage (m2)</b>	13826
<b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>	31%
<b>21.Estimated cost of the project</b>	3800000000

## 22.Number of buildings & its configuration

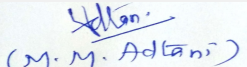
 <b>Mr. Surykant Nikam</b> (Secretary SEAC-II)	<b>SEAC Meeting No: 100 Meeting Date: May 20, 2019</b>	<b>Page 13</b> <b>of 137</b>	 <b>Shri M.M.Adtani (Chairman SEAC-II)</b>
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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)	
1	Building No. 1 (Tower A)	2 Basements+ Ground Floor + 2 Podiums+ 11 Floor	52.8 m	
2	Building No. 1 (Tower B)	2 Basements + Ground Floor+2 Podiums + 14 Floor	60.5 m	
3	Building No. 1 (Tower C)	2 Basements+ Ground Floor + 2 Podiums+ 11 Floor	52.8 m	
4	Building No. 2	Gr+2	12.6 m	
<b>23.Number of tenants and shops</b>	building is the Industrial IT Park			
<b>24.Number of expected residents / users</b>	7200 nos.			
<b>25.Tenant density per hectare</b>	-			
<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 proposed project site is accessible by 36.60 m wide LBS Road			
<b>28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation</b>	Min 9 m			
<b>29.Existing structure (s) if any</b>	3 Existing buildings will be demolished Gr+4, Gr+3 & Gr+1			
<b>30.Details of the demolition with disposal (If applicable)</b>	Debris Generation: 300 m <sup>3</sup>			
<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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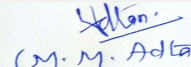
  
 (M. M. Adtani)  
**Shri M.M.Adtani (Chairman SEAC-II)**

Dry season:	Source of water	MCGM							
	Fresh water (CMD):	108 KLD							
	Recycled water - Flushing (CMD):	313 KLD							
	Recycled water - Gardening (CMD):	13 KLD							
	Swimming pool make up (Cum):	-							
	Total Water Requirement (CMD) :	324 KLD							
	Fire fighting - Underground water tank(CMD):	260 KLD							
	Fire fighting - Overhead water tank(CMD):	260 KLD							
	Excess treated water	0 KLD							
Wet season:	Source of water	MCGM							
	Fresh water (CMD):	108 KLD							
	Recycled water - Flushing (CMD):	313 KLD							
	Recycled water - Gardening (CMD):	0							
	Swimming pool make up (Cum):	-							
	Total Water Requirement (CMD) :	324 KLD							
	Fire fighting - Underground water tank(CMD):	260 KLD							
	Fire fighting - Overhead water tank(CMD):	260 KLD							
	Excess treated water	13 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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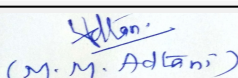
  
 (M. M. Adtani)  
**Shri M.M.Adtani (Chairman SEAC-II)**

<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	4 to 5 m
	<b>Size and no of RWH tank(s) and Quantity:</b>	four Recharge pits are provided
	<b>Location of the RWH tank(s):</b>	-
	<b>Quantity of recharge pits:</b>	Recharge pits are provided
	<b>Size of recharge pits :</b>	2000 MM Dia
	<b>Budgetary allocation (Capital cost) :</b>	Rs. 30 Lakh
	<b>Budgetary allocation (O &amp; M cost) :</b>	Rs. 3 Lakh/y
	<b>Details of UGT tanks if any :</b>	Basement
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	The natural Slope of Plot is towards east side
	<b>Quantity of storm water:</b>	5876 m3/hr
	<b>Size of SWD:</b>	600 mm wide channels
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	313 KLD
	<b>STP technology:</b>	MBBR Technology
	<b>Capacity of STP (CMD):</b>	Total Capacity: 400 m3
	<b>Location &amp; area of the STP:</b>	Basement
	<b>Budgetary allocation (Capital cost):</b>	Rs. 150 Lakh
	<b>Budgetary allocation (O &amp; M cost):</b>	Rs. 24 Lakh/y
<b>36.Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	Construction debris
	<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 2006.
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	576 kg/day
	<b>Wet waste:</b>	864 kg/day
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	3 m3/d
	<b>Others if any:</b>	E waste: 4.5 Ton/yr

  
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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 system 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 is used as manure for gardening
	<b>Others if any:</b>	E waste will be given to authorized recyclers
<b>Area requirement:</b>	<b>Location(s):</b>	Ground
	<b>Area for the storage of waste &amp; other material:</b>	40 m <sup>2</sup>
	<b>Area for machinery:</b>	30 m <sup>2</sup>
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs. 20 Lakh
	<b>O &amp; M cost:</b>	Rs. 10 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

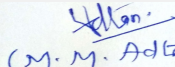
### 40. Details of Fuel to be used

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

<b>43.Green Belt Development</b>	<b>Total RG area :</b>	2500 m2
	<b>No of trees to be cut :</b>	Nil
	<b>Number of trees to be planted :</b>	Existing trees: 383 Nos. Trees to be Planted: 78 Nos.
	<b>List of proposed native trees :</b>	As Mention Below
	<b>Timeline for completion of plantation :</b>	2 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	Pongamia Pinnata	Karanj	12	Shady tree.
2	Acacia Auriculiformis	Acacia	17	An evergreen tree
3	Erythrina Indica	Pangara	14	Medium sized deciduous tree. Bright scarlet flowers.
4	Albiza Lebbeck	Shirish	16	Shady tree, yellowish green fragrant flowers
5	Alstonia Scholaris	Satwin	19	Shady Tree, white fragrant flowers

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

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

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

#### 47.Energy

SEAC-AGENDA-00000002

<b>Power requirement:</b>	<b>Source of power supply :</b>	Reliance
	<b>During Construction Phase: (Demand Load)</b>	250 kVA
	<b>DG set as Power back-up during construction phase</b>	150 kVA
	<b>During Operation phase (Connected load):</b>	8076 kW
	<b>During Operation phase (Demand load):</b>	4375.98 kW
	<b>Transformer:</b>	1. Utility Building - 2000 KVA, Make : Voltamp - 3 nos. (Property of VCPPL) 2. Tower B - 2000 KVA - 1 nos. (Property of Reliance Energy - Tenant Supply ) 3. Tower B - 1500 KVA - 1 nos. (Property of Reliance Energy - Tenant Supply ) 4. Tower C - 1500 KVA - 1 nos. (Property of Reliance Energy - Tenant Supply )
	<b>DG set as Power back-up during operation phase:</b>	7 x 1500 kVA
	<b>Fuel used:</b>	HSD
	<b>Details of high tension line passing through the plot if any:</b>	-

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

Energy conservation measures taken by using low energy consuming fixtures like, T5 lamps, LEDs in Lift, Lobby, and Passages  
 Solar lighting on street and RG area, lights proposed  
 Controlling of lights through motion sensors and day light sensors  
 Use of high energy efficient pumps for fire fighting, UG tanks and STP

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

Serial Number	Energy Conservation Measures	Saving %
1	Energy conservation measures taken by using low energy consuming fixtures like, LED in Habitable area, T5 lamps, LEDs in Lift, Lobby, and Passages Solar lighting on street and RG area, lights proposed Controlling of lights through motion sensors and day light sensors Use of high energy efficient pumps for fire fighting, UG tanks and STP Total Energy Saving	20.1%

#### 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>	Rs. 40 Lakh
	<b>O &amp; M cost:</b>	Rs. 4 Lakh/y

### 51. Environmental Management plan Budgetary Allocation

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

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Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water spray for dust suppression	-	2
2	Site sanitation and Potable Water Supply to Labour	-	6
3	Environmental Monitoring	-	2
4	Health check-up & first aid	-	2
5	Safety Personal Protective Equipment	-	3
6	Traffic Management (Sign Boards, Persons at entry exit and Parking area)	-	3
7	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)	Continuous O & M Environment Monitoring: Monthly, STP outlet water quality for pH, BOD, COD, SS and O & G	150	24
2	Solar System	Weekly	40	4
3	Rainwater harvesting	During rainy season (cleaning of UG tanks and filtration units before rainy season)	30	3
4	Solid Waste Composting plant	Continuous O & M Environment Monitoring: Monthly to assess the compost quality	25	10
5	Landscape	Daily	50	5
6	Environmental Monitoring	-	-	5
7	Total	-	295	51

**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**

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No Information Available


### 53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	-
Parking details:	Number and area of basement:	2 basements with area of 42937.8 m <sup>2</sup>
	Number and area of podia:	2 Podiums with area of 23546.8 m <sup>2</sup>
	Total Parking area:	31,630 m <sup>2</sup>
	Area per car:	32 m <sup>2</sup>
	Area per car:	32 m <sup>2</sup>
	Number of 2-Wheelers as approved by competent authority:	500 Nos.
	Number of 4-Wheelers as approved by competent authority:	965 Nos.
	Public Transport:	-
	Width of all Internal roads (m):	min 6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park: 2.47 km
	Category as per schedule of EIA Notification sheet	8 (b)
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	21-07-2017

### SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

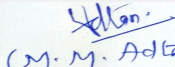
Summarised in brief information of Project as below.

### Brief information of the project by SEAC

  
**Mr. Surykant Nikam**  
 (Secretary SEAC-II)

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

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

It is noted that proposal under consideration is of Violation of EIA Notification 2006, as amended, defined in MoEF & CC notification dated 14<sup>th</sup> March 2017 & 8<sup>th</sup> March 2018.

PP stated that, the plot area of the project is 50,636 Sq.mt & total construction is 1,73,384.36 Sq.mt consisting 2 commercial buildings. PP further stated that, they have already constructed the 1,69,712 Sq.mt on site & full Occupation was also received on 14/8/2014.

PP informed that, the **Nature of Violation is as follow-**

1. Construction of 2 buildings comprising total built up 1,69,712 Sq.mt. without any prior EC.

It is noted that the proposal was considered in 66<sup>th</sup> & 89<sup>th</sup> meeting held on 18/8/2018 & 20/2/2019 respectively and ToR & additional ToR in order to asses for the Environmental Damage and for Estimation of Remediation Costs for Building Construction Projects were issued.

Accordingly, PP submitted the EIA, 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 (B1) category of EIA Notification, 2006. Consolidated statements, synopsis of compliances, form 1, 1A, presentation & plans submitted are taken on the record.

Damage assessment report specifying activities contributing to the environmental damage and degradation noted from the report and deliberated in detail during the meeting.

## DECISION OF SEAC

**After detailed deliberation, committee decided to visit the proposed site, hence project is *deferred*.**

### Specific Conditions by SEAC:

- 1) PP to submit the copy of final sanctioned layout.
- 2) PP to submit the Signed copy of Damage assessment report & remediation plan and natural & community resource augmentation plan from accredited consultant.
- 3) PP to submit the detail dated Architect certificate addressed to committee regarding buildings wise area approved by local authority, actual constructed on site (configuration, FSI, NON-FSI, total built up area), Date of plinth CC, Date of OC & remarks.

## FINAL RECOMMENDATION

 <b>Mr. Surykant Nikam</b> (Secretary SEAC-II)	<b>SEAC Meeting No: 100 Meeting Date: May 20, 2019</b>	<b>Page 22</b> <b>of 137</b>	 <b>Shri M.M.Adtani (Chairman SEAC-II)</b>
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SEAC-II decided to defer the proposal. Kindly find SEAC decision above.

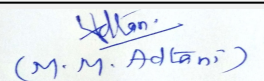
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**Mr. Surykant Nikam**  
(Secretary SEAC-II)

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

## Agenda of 100th Meeting of State Expert Appraisal Committee-2 (SEAC-2)


**SEAC Meeting number: 100 Meeting Date May 20, 2019**

**Subject:** Environment Clearance for Expansion and Amendment in EC for "RUNWAL INFINITY" at Village-Nahur, Mulund west, Mumbai - 400080

**Is a Violation Case:** No

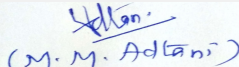
1.Name of Project	"RUNWAL INFINITY"
2.Type of institution	Private
3.Name of Project Proponent	M/s. RUNWAL CONSTRUCTIONS
4.Name of Consultant	M/s. Ultra-Tech
5.Type of project	Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion and Amendment in EC
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	This project has received Environmental Clearance File No. 21-258/2006-IA.III dated 16.11.2006
8.Location of the project	Plot bearing C.T.S. Nos. 544 & 544/1 of Village-Nahur, Mulund west, Mumbai - 400080
9.Taluka	Kurla
10.Village	Nahur
Correspondence Name:	M/s. RUNWAL CONSTRUCTIONS
Room Number:	--
Floor:	5th Floor
Building Name:	Runwal & Omkar Esquare
Road/Street Name:	Off. Eastern Express Highway
Locality:	Opp. Sion Chunabhatti Signal, Sion (E)
City:	Mumbai - 400022
11.Area of the project	Municipal Corporation of Greater Mumbai (M.C.G.M.)
12.IOD/IOA/Concession/Plan Approval Number	Concession application no. CE/4815/BPES/AT approved on 29.06.2018; Approved letter no. CE/4882/BPES/AT & plan dated 26-11-2015
	<b>IOD/IOA/Concession/Plan Approval Number:</b> CE/4882/BPES/AT
	<b>Approved Built-up Area:</b> 26231.43
13.Note on the initiated work (If applicable)	Total constructed work on site till date (FSI + Non FSI): 25,238.78 Sq.mt.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	--
15.Total Plot Area (sq. m.)	24,406.20 Sq.mt.
16.Deductions	1,107.62 Sq.mt.
17.Net Plot area	23,298.58 Sq.mt.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 67,144.65 Sq.mt.
	b) Non FSI area (sq. m.): 79,799.40 Sq.mt.
	c) Total BUA area (sq. m.): 146944.05
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 26,231.43 Sq. mt. as per approved plan dated 26-11-2015
	Approved Non FSI area (sq. m.): 23,385.22 Sq. mt. as per approved plan dated 26-11-2015
	Date of Approval: 26-11-2015
19.Total ground coverage (m2)	14,455.98 Sq. mt.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	52%
21.Estimated cost of the project	4350000000

## 22.Number of buildings & its configuration

  
**Mr. Surykant Nikam**  
(Secretary SEAC-II)

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



Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building 1	Ground + 2 Podium + Stilt + 23 Floors	89.60
2	Building 2	Basement + Ground + 2 Podium + Stilt + 46 Floors	174.65
3	Building 3	Ground + 2 Podium + Stilt + 23 Floors	89.60
4	Building 4	Basement + Ground + 2 Podium + Stilt + 19 Floors	84.45
5	Building 5	Basement + Ground + 2 Podium + Stilt + 46 Floors	174.65
6	Club House	Ground + 1 Floor	8.00
7	Buildable Amenity	Ground + 3 Floor (To be handed over to M.C.G.M.)	15.75

23.Number of tenants and shops	Flats: 818 nos.
24.Number of expected residents / users	~ 4090 nos.
25.Tenant density per hectare	391/ hectars
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	32.00 mt. Wide Lal Bahadur Shastri Marg
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.00 mt.
29.Existing structure (s) if any	Part construction completed as per EC received.
30.Details of the demolition with disposal (If applicable)	Constructed Bldg. No. 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

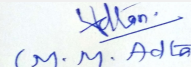
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Dry season:	Source of water	M.C.G.M/ Tanker water for Swimming pool make up							
	Fresh water (CMD):	368 KLD							
	Recycled water - Flushing (CMD):	184 KLD							
	Recycled water - Gardening (CMD):	38 KLD							
	Swimming pool make up (Cum):	3 KLD							
	Total Water Requirement (CMD) :	593 KLD							
	Fire fighting - Underground water tank(CMD):	500 KL							
	Fire fighting - Overhead water tank(CMD):	80 KL							
	Excess treated water	209 KLD							
Wet season:	Source of water	M.C.G.M/ Tanker water for Swimming pool make up/ Partly by RWH							
	Fresh water (CMD):	368 KLD							
	Recycled water - Flushing (CMD):	184 KLD							
	Recycled water - Gardening (CMD):	NA							
	Swimming pool make up (Cum):	3 KLD							
	Total Water Requirement (CMD) :	555 KLD							
	Fire fighting - Underground water tank(CMD):	500 KL							
	Fire fighting - Overhead water tank(CMD):	80 KL							
	Excess treated water	247 KLD							
Details of Swimming pool (If any)	Volume of Swimming pool: 200 Cum.								
<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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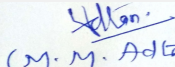
  
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<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	2.1 mt. to 8.8 mt. below ground level
	<b>Size and no of RWH tank(s) and Quantity:</b>	3 nos. of tanks of capacity 20 KL each
	<b>Location of the RWH tank(s):</b>	Underground
	<b>Quantity of recharge pits:</b>	--
	<b>Size of recharge pits :</b>	--
	<b>Budgetary allocation (Capital cost) :</b>	Rs. 15.00 Lacs
	<b>Budgetary allocation (O &amp; M cost) :</b>	Rs. 0.47 Lacs/annum
	<b>Details of UGT tanks if any :</b>	Location of UG tanks: Underground
<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 external drain.
	<b>Quantity of storm water:</b>	0.53 m <sup>3</sup> /sec
	<b>Size of SWD:</b>	450 x 600 mm
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	479 KLD
	<b>STP technology:</b>	Moving Bed Bio Reactor (MBBR)
	<b>Capacity of STP (CMD):</b>	1 STP of capacity 530 KL
	<b>Location &amp; area of the STP:</b>	Ground level (Partly Underground) ; Area: 452 Sq. mt.
	<b>Budgetary allocation (Capital cost):</b>	Rs. 106.20 Lacs
	<b>Budgetary allocation (O &amp; M cost):</b>	Rs. 22.57 Lacs/annum
<b>36.Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	Not Applicable
	<b>Disposal of the construction waste debris:</b>	Construction material will be partly reused on site and remaining shall be disposed to Authorized landfill as per permission from M.C.G.M.
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	1104 kg/day
	<b>Wet waste:</b>	736 kg/day
	<b>Hazardous waste:</b>	Not Applicable
	<b>Biomedical waste (If applicable):</b>	Not Applicable
	<b>STP Sludge (Dry sludge):</b>	72 kg/day
	<b>Others if any:</b>	Not Applicable

  
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<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	To Authorized recyclers
	<b>Wet waste:</b>	Treatment in OWC
	<b>Hazardous waste:</b>	Not Applicable
	<b>Biomedical waste (If applicable):</b>	Not Applicable
	<b>STP Sludge (Dry sludge):</b>	Use as manure
	<b>Others if any:</b>	Not Applicable
<b>Area requirement:</b>	<b>Location(s):</b>	Ground Floor
	<b>Area for the storage of waste &amp; other material:</b>	53.00 Sq. mt.
	<b>Area for machinery:</b>	12.00 Sq. mt.
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs. 9.00 Lacs
	<b>O &amp; M cost:</b>	Rs. 3.36 Lacs/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	DG Set	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

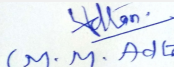
### 40. Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	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>	RG area on ground: 3302.24 Sq. mt. ; RG area on on podium: 4866.32 Sq.mt.
	<b>No of trees to be cut :</b>	Dead trees: 10 nos.
	<b>Number of trees to be planted :</b>	377 nos.
	<b>List of proposed native trees :</b>	As mentioned below
	<b>Timeline for completion of plantation :</b>	Before occupancy


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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Peltophorum pterocarpum	Copperpod	40	It is planted as ornamental plant. Bark of tree has medicinal properties.
2	Lagerstroemia speciosa	Taman	40	It is widely cultivated as an ornamental plant in tropical and subtropical areas. It has medicinal applications.
3	Plumeria alba	White frangipani	14	Tree that can tolerate a wide variety of soils, from acid to alkaline and sandy to clay.
4	Tabebuia rosea	Pink trumpet tree	40	Tree with medicinal properties.
5	Filicium decipiens	Fern leaf	40	Flowering tree
6	Delonix regia	Gulmohar	68	Shady trees with orange-red petals attract birds. It is planted as an ornamental tree
7	Bauhinia blakeana	Hong Kong Orchid Tree	40	Drought resistant tree. This medium size quick growing tree up to 20 feet tall.
8	Acacia auriculiformis	Earleaf acacia	40	Planted as ornamental plant, shady tree, wood is used for making paper, furniture and tools.
9	Samanea Saman	Rain Tree	05	It attracts birds and butterflies
10	Cassia fistula	Golden shower tree	17	Is widely grown as an ornamental plant. Growth for this tree is best in full sun on well-drained soil; it is relatively drought tolerant and slightly salt tolerant. It attracts bees and butterflies for pollination.
11	Michelia champaca	Champak	17	Medium sized evergreen tree, strongly fragrant yellow flowers used in perfume industry, Butterfly host plant
12	Terminalia mentaly	Madagascar Almond	16	It is planted as an ornamental tree.

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

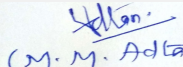
#### 46.Number and list of shrubs and bushes species to be planted in the podium RG:

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

  
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2	Caesalpinia pulcherrima	--	--
3	Bauhinia acuminata	--	--
4	Tecoma gaudichaudi	--	--
5	Tabernaemontana coronaria	--	--
6	Nerium oleander	--	--
7	Hibiscus rosa-sinensis	--	--
8	Murraya exotica	--	--
9	Thevetia peruviana	--	--
10	Mussaenda erythrophylla	--	--

### 47. Energy

<b>Power requirement:</b>	<b>Source of power supply :</b>	Maharashtra State Electricity Distribution Company Limited (MSEDCL)
	<b>During Construction Phase: (Demand Load)</b>	100 KW
	<b>DG set as Power back-up during construction phase</b>	As per requirement
	<b>During Operation phase (Connected load):</b>	7119 KW
	<b>During Operation phase (Demand load):</b>	4068 KW
	<b>Transformer:</b>	--
	<b>DG set as Power back-up during operation phase:</b>	2 DG set of capacity 750 kVA each
	<b>Fuel used:</b>	Diesel
	<b>Details of high tension line passing through the plot if any:</b>	No

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


Provision of LED lights  
VFD & regenerative type  
Provision of solar systems

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

Serial Number	Energy Conservation Measures	Saving %
1	Overall energy saving	23 %
2	Energy saving due to renewable energy	16 %

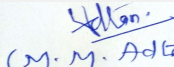
### 50. Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Sewage	Not applicable	STP
Solid waste	Not applicable	Organic Waste Convertor

  
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<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs. 114.68 Lacs
	<b>O &amp; M cost:</b>	Rs. 55.00 Lacs/annum


## 51.Environmental Management plan Budgetary Allocation

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

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water for Dust Suppression	5.76
2	Air Environment	Air and Noise Monitoring: On site Sensors	14.00
3	Air Environment	Air and Noise Monitoring: By outside MoEF & CC Approved Laboratory	1.76
4	Water Environment	Water monitoring/wastewater monitoring	0.24
5	Land Environment	Site Sanitation	5.00
6	Health & Hygiene	Disinfection- Pest Control	9.60
7	Health & Hygiene	Health Check-up of workers	21.60

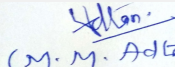
### b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air Environment & Biological Environment	Cost for Gardening	44.93	1.20
2	Air Environment & Biological Environment	Cost for Ambient air & Noise Monitoring	No set up cost is involved	0.22
3	Air Environment & Biological Environment	Maintenance of sensors - Air & Noise	Set up already considered in construction phase	0.50
4	Air Environment & Biological Environment	Cost for DG Stack Exhaust Monitoring	No set up cost is involved	0.10
5	WATER ENVIRONMENT - Waste water treatment	Cost for sewage Treatment Plant	88.20	21.54
6	WATER ENVIRONMENT - Cost for water & waste water Monitoring	On site sensors	18.00	1.00
7	WATER ENVIRONMENT - Cost for water & waste water Monitoring	By outside MoEF & CC Approved Laboratory	No set up cost is involved	0.03

  
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8	WATER ENVIRONMENT - Water Conservation (Rain Water Harvesting System)	Cost for RWH tanks	6.00	0.30
9	WATER ENVIRONMENT - Water Conservation (Rain Water Harvesting System)	Cost for treatment unit for Rain Water collected in tanks	9.00	0.03
10	WATER ENVIRONMENT - Water Conservation (Rain Water Harvesting System)	Cost for Rainwater Monitoring	No set up cost is involved	0.14
11	LAND ENVIRONMENT - Solid Waste Management	Cost for Treatment of biodegradable garbage in OWC	9.00	3.28
12	LAND ENVIRONMENT - Solid Waste Management	Cost for Manure Monitoring	No set up cost is involved	0.08
13	ENERGY CONSERVATION	SOLAR ENERGY- Water heating	114.68	55.00

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


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

### 52.Any Other Information

No Information Available

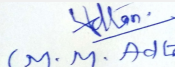
### 53.Traffic Management

Nos. of the junction to the main road & design of confluence:	One entry and exit
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Parking details:	Number and area of basement:	Not Applicable
	Number and area of podia:	2 Podia (Area: 28,312.00 Sq. mt.)
	Total Parking area:	56,705.62 Sq.mt.
	Area per car:	--
	Area per car:	--
	Number of 2-Wheelers as approved by competent authority:	78 nos.
	Number of 4-Wheelers as approved by competent authority:	1275 nos.
	Public Transport:	--
	Width of all Internal roads (m):	Minimum 6.00 mt.
CRZ/ RRZ clearance obtain, if any:	Not Applicable	
Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park : Approx 0.5 Km; * NOC from Wild Life Board is Not Applicable as per final Notification reg. ESZ of SGNP published by MOEF & CC u/no. S.O.3645 (E) dated 05/12/2016 as our project site is not affected by the ESZ belt.	
Category as per schedule of EIA Notification sheet	8 (a) B2	
Court cases pending if any	Not Applicable	
Other Relevant Informations	--	
Have you previously submitted Application online on MOEF Website.	No	
Date of online submission	-	

## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorisred in brief information of Project as below.

### Brief information of the project by SEAC

### DECISION OF SEAC

***PP was not present but he on phone requested to consider the proposal in the next meeting. Hence the proposal is deferred and may be considered in next meeting.***

Specific Conditions by SEAC:

### FINAL RECOMMENDATION

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

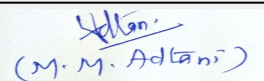
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**SEAC-II)**

## Agenda of 100th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

**SEAC Meeting number: 100 Meeting Date May 20, 2019**

**Subject:** Environment Clearance for Environmental Clearance for Comprehensive Redevelopment & Upgradation of Mahatma Jyotiba Phule Market (Formerly known as Crawford Market)


**Is a Violation Case:** No

<b>1.Name of Project</b>	Comprehensive redevelopment and upgradation of Mahatma Jyotiba Phule Market (Crawford Market), Mumbai
<b>2.Type of institution</b>	Government
<b>3.Name of Project Proponent</b>	Municipal Architect Department, Municipal Corporation of Greater Mumbai
<b>4.Name of Consultant</b>	Aditya Environmental Services Pvt. Ltd.
<b>5.Type of project</b>	Commercial
<b>6.New project/expansion in existing project/modernization/diversification in existing project</b>	Redevelopment and upgradation
<b>7.If expansion/diversification, whether environmental clearance has been obtained for existing project</b>	Not applicable
<b>8.Location of the project</b>	Mahatma Phule Market (Crawford Market), CS No. 1481, Fort Division, 'A' Ward, Mumbai - 400001
<b>9.Taluka</b>	Fort Division, 'A' Ward
<b>10.Village</b>	Not applicable
<b>Correspondence Name:</b>	Ms. Kruti Garg
<b>Room Number:</b>	201, B Wing
<b>Floor:</b>	NA
<b>Building Name:</b>	Amrit
<b>Road/Street Name:</b>	Carter Road
<b>Locality:</b>	Khar (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>	CHE/37/BPspcell/AA/337
	<b>IOD/IOA/Concession/Plan Approval Number:</b> CHE/37/BPspcell/AA/337
	<b>Approved Built-up Area:</b> 29725.58
<b>13.Note on the initiated work (If applicable)</b>	NA
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	Approval from Mumbai Heritage Conservation Committee
<b>15.Total Plot Area (sq. m.)</b>	22,394.62
<b>16.Deductions</b>	3359.19
<b>17.Net Plot area</b>	19,035.43
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> 29,725.58
	<b>b) Non FSI area (sq. m.):</b> 7,600.17
	<b>c) Total BUA area (sq. m.):</b> 37325.75
<b>18 (b).Approved Built up area as per DCR</b>	<b>Approved FSI area (sq. m.):</b> 29,725.58
	<b>Approved Non FSI area (sq. m.):</b> 7,600.17
	<b>Date of Approval:</b> 06-06-2016
<b>19.Total ground coverage (m2)</b>	5478
<b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>	24.26
<b>21.Estimated cost of the project</b>	2101517498

## 22.Number of buildings & its configuration

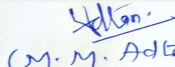
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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)	
1	Block-1	Basement + Lower Ground Floor + Upper Ground Floor + 1st floor (having double atrium)	17.25	
2	Block-3	Basement + Lower Ground Floor + Upper Ground Floor + 1st Floor (double atrium) to 3rd Floor	20.75	
3	Block-4	Basement + Lower Ground Floor + Upper Ground Floor + 1st to 2nd Floors + dome type heritage structure	20.75	
4	Restoration of Block-2 (Existing beef market), Heritage Fountain and Heritage Chhatri	NA	NA	
<b>23.Number of tenants and shops</b>	Fruit vendors - 139; Juna Karyalaya - 34; Bird & Pet vendors - 19; Fowl/Poultry vendors - 19; New Karyalaya - 16; Mutton - 154; Egg - 19; Royal Touch - 78; China Bazaar - 74; CSM Fish Wholesale - 94; CSM Fish Retail - 208; CSM Fish Parcel - 30; CSM Dry Fish - 11; CSM Eggs - 22; CSM Fish Pedi - 23			
<b>24.Number of expected residents / users</b>	Commercial Users: 3305			
<b>25.Tenant density per hectare</b>	1 person per 10 sq. m.			
<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>	25m			
<b>28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation</b>	9m			
<b>29.Existing structure (s) if any</b>	Along with the existing historic fruits and vegetables market and clock tower, the structures which will be restored are: (1) Block-2 (Existing beef market) (2) Heritage Fountain (3) Heritage Chhatri			
<b>30.Details of the demolition with disposal (If applicable)</b>	Demolition of existing Block-1, Block-3 and Block-4. The inert debris generated from demolition will be utilized for backfilling on site as far as possible and remaining will be disposed to authorized disposal site. Recyclables will be handed over to scrap dealers for recycling			
<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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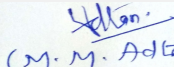
  
 (M. M. Adtani)  
**Shri M.M.Adtani (Chairman SEAC-II)**

Dry season:	Source of water	MCGM for fresh water and STP treated water for flushing and gardening								
	Fresh water (CMD):	66 cmd								
	Recycled water - Flushing (CMD):	83 cmd								
	Recycled water - Gardening (CMD):	1 cmd								
	Swimming pool make up (Cum):	0								
	Total Water Requirement (CMD) :	150 cmd								
	Fire fighting - Underground water tank(CMD):	300 cmd								
	Fire fighting - Overhead water tank(CMD):	20 cmd								
	Excess treated water	0								
Wet season:	Source of water	MCGM for fresh water and STP treated water for flushing								
	Fresh water (CMD):	66 cmd								
	Recycled water - Flushing (CMD):	83 cmd								
	Recycled water - Gardening (CMD):	0								
	Swimming pool make up (Cum):	0								
	Total Water Requirement (CMD) :	149 cmd								
	Fire fighting - Underground water tank(CMD):	300 cmd								
	Fire fighting - Overhead water tank(CMD):	20 cmd								
	Excess treated water	0								
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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<b>34. Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	1.2 mt to 2.6 mt	
	<b>Size and no of RWH tank(s) and Quantity:</b>	1 No. of RWH tank of 130 cmd	
	<b>Location of the RWH tank(s):</b>	Underground tank near the centre of the project site	
	<b>Quantity of recharge pits:</b>	2	
	<b>Size of recharge pits :</b>	Not available	
	<b>Budgetary allocation (Capital cost) :</b>	Rs. 5 lakh	
	<b>Budgetary allocation (O &amp; M cost) :</b>	NA	
	<b>Details of UGT tanks if any :</b>	1 No. of RWH tank of 130 cmd	
<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>	Storm water drainage facility as per the remarks of concerned authority using 300 mm dia. and 450 mm dia. RC pipes of NP3 class	
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	142 KLD	
	<b>STP technology:</b>	MBBR	
	<b>Capacity of STP (CMD):</b>	STP capacity = 134 cmd, ATP capacity = 60 cmd	
	<b>Location &amp; area of the STP:</b>	Location: STP near Block-1 and ATP near Block-3 Area = STP - 150 sq. m. / ATP - 76 sq.mt	
	<b>Budgetary allocation (Capital cost):</b>	Rs. 48 lakh	
	<b>Budgetary allocation (O &amp; M cost):</b>	Rs. 14.48 lakh (for first year) and Rs. 18.10 lakh (for second year)	
<b>36. Solid waste Management</b>			
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	91,324 cum earthwork from excavation	
	<b>Disposal of the construction waste debris:</b>	The excavated material removed during excavation will be used as far as possible as filling material. Balance material, if any, will be disposed off to authorized MSW site . Bricks, metal chips, cut tiles will be used for internal paving. The damaged / cut pieces of steel, glass etc. will be sold to the scrap dealer. Remaining will be sold off to authorized dealers.	
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	248 kg/ day	
	<b>Wet waste:</b>	578 kg/ day	
	<b>Hazardous waste:</b>	Waste / Spent Oil from DG Set & Transformers	
	<b>Biomedical waste (If applicable):</b>	NA	
	<b>STP Sludge (Dry sludge):</b>	Approx. 14.20 kg/ day	
	<b>Others if any:</b>	NA	
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<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>	Organic Waste Composter (OWC)
	<b>Hazardous waste:</b>	Used oil from DG sets to be sold to authorized oil waste recycler
	<b>Biomedical waste (If applicable):</b>	Not applicable
	<b>STP Sludge (Dry sludge):</b>	To be mixed with wet waste and to use it as compost after proper drying
	<b>Others if any:</b>	NA
<b>Area requirement:</b>	<b>Location(s):</b>	Basement
	<b>Area for the storage of waste &amp; other material:</b>	50 sq m
	<b>Area for machinery:</b>	Included in above
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs 16.00 lakh
	<b>O &amp; M cost:</b>	Rs 2.40 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	Used / spent oil	5.1	KL/Annum	Nil	As and when generated	As and when generated	To be sold to authorized oil waste recyclers


### 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	DG Set (1 Nos. Of capacity 750 kVA each)	HSD	1	As per CPCB guidelines	As per CPCB guidelines	Not applicable

### 40. Details of Fuel to be used

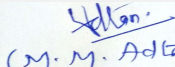
Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	Not applicable	As per requirement	As per requirement

41. Source of Fuel	Local Petrol Pump
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42.Mode of Transportation of fuel to site		Tanker		
<b>43.Green Belt Development</b>	<b>Total RG area :</b>	3,359.19 sq.m.		
	<b>No of trees to be cut :</b>	0		
	<b>Number of trees to be planted :</b>	34		
	<b>List of proposed native trees :</b>	Lagerstroemia speciosa, Plumeria rubra, Tabebuia agentia		
	<b>Timeline for completion of plantation :</b>	4 years from commencement of construction		
<b>44.Number and list of trees species to be planted in the ground</b>				
<b>Serial Number</b>	<b>Name of the plant</b>	<b>Common Name</b>	<b>Quantity</b>	<b>Characteristics &amp; ecological importance</b>
1	Lagerstroemia speciosa	Pride of India	6	Evergreen, Native
2	Plumeria rubra	Frangipani	21	Evergreen, Native, Flowering
3	Tabebuia agentia	Silver Trumpet	7	Evergreen, Native
<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>				
<b>Serial Number</b>	<b>Name</b>	<b>C/C Distance</b>	<b>Area m2</b>	
1	Asystasia gangetia	150-200 mm	As per landscape plan	
2	Bacopa mannieri	150-200 mm	As per landscape plan	
3	Jasminum multiflorum	150-200 mm	As per landscape plan	
4	Achyranthes aspera	300-600 mm	As per landscape plan	
5	Plumbago indica	300-600 mm	As per landscape plan	
6	Polyscias fruticosa dwarf	300-600 mm	As per landscape plan	
7	Clerodendron inerme	300-600 mm	As per landscape plan	
8	T.M.C. Dwarf	300-600 mm	As per landscape plan	
<b>47.Energy</b>				



<b>Power requirement:</b>	<b>Source of power supply :</b>	BEST
	<b>During Construction Phase: (Demand Load)</b>	100 kW
	<b>DG set as Power back-up during construction phase</b>	Not applicable
	<b>During Operation phase (Connected load):</b>	1419.36 kW
	<b>During Operation phase (Demand load):</b>	1206.57 kW
	<b>Transformer:</b>	1184.71 KVA
	<b>DG set as Power back-up during operation phase:</b>	1 No. of DG set of capacity 750 kVA will be provided as emergency power back-up
	<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:

- Maximize the use of natural lighting through design.
- External lighting which would include street lights, common area lighting, landscape etc. would run on solar energy.
- Purchase of energy efficient appliances.
- Use of compact fluorescent lamps and low voltage lighting.

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

Serial Number	Energy Conservation Measures	Saving %
1	Use of LED lighting fixtures (instead of conventional lighting fixtures)	20%
2	Use of energy efficient pumps and motors	20%
3	Use of VFD controls use as per different stages and time	20%
4	Use of star rated equipment, VRF units with VFD scroll compressor, sandwiched tinted glass	20%

#### 50. Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Waste water	NA	Not appliSewage Treatment Plant (STP) of capacity 134 cmd and Aerobic Treatment Plant (ATP) of capacity 60 cmd cable
MSW	NA	Organic Waste Composter (OWC)

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs 5.00 lakh
	<b>O &amp; M cost:</b>	Rs 0.10 lakh/ yr

### 51. Environmental Management plan Budgetary Allocation

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

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
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1	Water for dust suppression	NA	0.72
2	Site sanitation	NA	0.50
3	Environmental monitoring	NA	0.65
4	Disinfection	NA	1.80
5	Health check-up	NA	5.40

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

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant (STP)	NA	48.00	Rs. 14.48 Lakhs (for first year) and Rs. 18.10 Lakhs (for second year)
2	Rainwater Harvesting	NA	5.00	Nil
3	Solar energy	NA	5.00	0.10
4	Gardening	NA	2.20	0.39
5	Solid waste management	NA	16.00	2.40
6	Monitoring of Environmental Parameters	NA	NA	7.49

**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

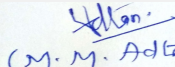
**53.Traffic Management**

Nos. of the junction to the main road & design of confluence:	J. J. Flyover (connecting to Eastern Express Highway), D. N. Road and Lokmanya Tilak Road are abutting to the project site.
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<b>Parking details:</b>	<b>Number and area of basement:</b>	Provision of 1 common basement for structures to be redeveloped (i.e. Block-1, Block-3 and Block-4) Area of basement = 5908.50 sq. m.
	<b>Number and area of podia:</b>	NA
	<b>Total Parking area:</b>	3465.75 sq.mt
	<b>Area per car:</b>	13.75 sq.mt & 10.35 sq.mt
	<b>Area per car:</b>	13.75 sq.mt & 10.35 sq.mt
	<b>Number of 2-Wheelers as approved by competent authority:</b>	Required: NA Proposed: NA
	<b>Number of 4-Wheelers as approved by competent authority:</b>	Proposed (car parking spaces): 166 Proposed (truck parking spaces): 10
	<b>Public Transport:</b>	Bus and Railway facility nearby
	<b>Width of all Internal roads (m):</b>	9m
	<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)
	<b>Court cases pending if any</b>	Not Applicable
	<b>Other Relevant Informations</b>	NA
	<b>Have you previously submitted Application online on MOEF Website.</b>	No
	<b>Date of online submission</b>	-

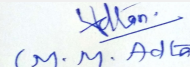
## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

  
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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-0000000267


Representative of PP Mr. Dinesh Naik was present during the meeting along with environmental consultant: M/S. Aditya Environmental Services Pvt. Ltd

PP informed that, the project pertains to redevelopment & upgradation of Mahatma Jyotiba Phule market (Crawford Market), Mumbai. PP stated that, the project includes the construction of 3 blocks (newly proposed) and restoration (modernization) of 3 existing structures is proposed. PP further stated that, the total plot area of the project is 22,394.62 Sq.mt. having total construction area 37325.75 Sq.mt. (FSI - 29,725.58 Sq.mt. + NON FSI- 7,600.17 Sq.mt.) The plot is owned by MCGM. and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Block-1	Basement + Lower Ground Floor + Upper Ground Floor + 1st floor (having double atrium)	17.25
Block-3	Basement + Lower Ground Floor + Upper Ground Floor + 1st Floor (double atrium) to 3rd Floor	20.75
Block-4	Basement + Lower Ground Floor + Upper Ground Floor + 1st to 2nd Floors + dome type heritage structure	20.75
<b>Proposed Restoration</b>		
Restoration of Block-2 (Existing beef market)	Restoration works	
Heritage Fountain	Restoration works	
Heritage Chhatri	Restoration works	

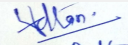
The project proposal was discussed on the basis of presentation made and documents submitted by the proponent. All issues related to environment, including air, water, land, soil, ecology and biodiversity and social aspects were discussed. Committee noted that the project is under 8a (B2) category of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

## DECISION OF SEAC

  
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**Not heard due to time constraint, hence, the proposal is deferred and shall be considered in next meeting.**

Specific Conditions by SEAC:

**FINAL RECOMMENDATION**

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

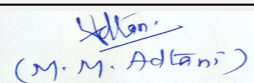
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## Agenda of 100th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

**SEAC Meeting number: 100 Meeting Date May 20, 2019**

**Subject:** Environment Clearance for 'TCS Banyan Park' - Phase 1 of IT Park

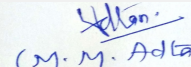
**Is a Violation Case:** No

<b>1.Name of Project</b>	TCS Banyan Park - Phase 1 of IT Park
<b>2.Type of institution</b>	Green Building
<b>3.Name of Project Proponent</b>	Tata Consultancy Services Ltd.
<b>4.Name of Consultant</b>	Aditya Environmental Services Pvt. Ltd.
<b>5.Type of project</b>	Industrial Estate, with all building being LEED Gold Certified
<b>6.New project/expansion in existing project/modernization/diversification in existing project</b>	Proposal is for ex-postfacto environment clearance for Phase 1 with existing structures Block A,C & J, B,D,E,L & M, K (Basement to A & B ), Canopy & Bridge.
<b>7.If expansion/diversification, whether environmental clearance has been obtained for existing project</b>	in this regard Member Secretary, MPCB letter No BO/RO(P&P)/ TB-686 dtd 23 Jan 2006 is relevant
<b>8.Location of the project</b>	Plot bearing C.T.S. Nos. 221, 228, 234 & 235 of village Gundavali, Suren Road, Andheri (East), Mumbai.
<b>9.Taluka</b>	Andheri
<b>10.Village</b>	Gundavali
<b>Correspondence Name:</b>	Mr.T. Prafullachandran (Corporate Head, Administration), Location Head - Banyan Park (Coordinator)
<b>Room Number:</b>	-
<b>Floor:</b>	-
<b>Building Name:</b>	TCS House
<b>Road/Street Name:</b>	Raveline Street
<b>Locality:</b>	Fort
<b>City:</b>	Mumbai - 400001
<b>11.Area of the project</b>	Municipal Corporation of Greater Mumbai (MCGM)
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	IOD No. E.B/CE/8748/WS/AK of 2006.
	<b>IOD/IOA/Concession/Plan Approval Number:</b> IOD No. EB/CE/8748/WS/AK of 2006. Initial plan approval ref No CE/1767/WS/LOKEN dtd 1st Mar 2006. Amended plan approved on 24th July 2009
	<b>Approved Built-up Area:</b> 60603.34
<b>13.Note on the initiated work (If applicable)</b>	9 Structures Block A,C & J, B,D,E,L & M, K (basement to A & B ), Canopy & Bridge are constructed
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	NA
<b>15.Total Plot Area (sq. m.)</b>	90,122.50 sqm
<b>16.Deductions</b>	13,072.67 sqm
<b>17.Net Plot area</b>	77,049.86 sqm
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> 40,603.34
	<b>b) Non FSI area (sq. m.):</b> 20,000
	<b>c) Total BUA area (sq. m.):</b> 60603
<b>18 (b).Approved Built up area as per DCR</b>	<b>Approved FSI area (sq. m.):</b> 40,603.34
	<b>Approved Non FSI area (sq. m.):</b> 20,000
	<b>Date of Approval:</b> 02-05-2006
<b>19.Total ground coverage (m2)</b>	13087
<b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>	17%
<b>21.Estimated cost of the project</b>	3207400000

  
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## 22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Block A	Ground floor + 2 upper floors	14.2
2	Block B	Ground floor + 2 upper floors	14.2
3	Block C & J	Ground floor + 2 upper floors	14.2
4	Block D	Ground floor + 2 upper floors	14.2
5	Block E	Ground floor + 2 upper floors	14.2
6	Block E	Ground floor + 2 upper floors	14.2
7	Block L	Ground floor +1 Basement	11.87 , basement at -12
8	Block M	Ground floor	3.4
9	Basement K Block (Basement below Block A & B)	Basement level 1 +Basement level 2	-7
10	Canopy	Canopy at height of first floor	5.6
11	Bridge	Bridge at height of first floor	9

<b>23.Number of tenants and shops</b>	Not applicable
<b>24.Number of expected residents / users</b>	2500
<b>25.Tenant density per hectare</b>	Not applicable
<b>26.Height of the building(s)</b>	
<b>27.Right of way (Width of the road from the nearest fire station to the proposed building(s))</b>	18.30 M DP Road
<b>28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation</b>	9.0 M
<b>29.Existing structure (s) if any</b>	9 structures (Block A,C & J,B,D,E,L & M, K (basement to A & B ) ,Canopy and bridge) are constructed
<b>30.Details of the demolition with disposal (If applicable)</b>	Not applicable

## 31.Production Details

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

## 32.Total Water Requirement

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Dry season:	Source of water	MCGM -119 m3/day, STP -120 m3/day & Borewell -295 m3/day								
	Fresh water (CMD):	119 MCGM								
	Recycled water - Flushing (CMD):	60 m3/day from Borewell								
	Recycled water - Gardening (CMD):	175 m3 from borewell								
	Swimming pool make up (Cum):	0								
	Total Water Requirement (CMD) :	534								
	Fire fighting - Underground water tank(CMD):	150								
	Fire fighting - Overhead water tank(CMD):	50								
	Excess treated water	120 m3 /day from STP & 60 m3 /day from borewell for cooling tower								
Wet season:	Source of water	MCGM -119 m3/day, STP -120 m3/day & Borewell -120 m3/day								
	Fresh water (CMD):	119 MCGM								
	Recycled water - Flushing (CMD):	60 m3/day from Borewell								
	Recycled water - Gardening (CMD):	0								
	Swimming pool make up (Cum):	0								
	Total Water Requirement (CMD) :	359								
	Fire fighting - Underground water tank(CMD):	150								
	Fire fighting - Overhead water tank(CMD):	50								
	Excess treated water	120 m3 /day from STP & 60 m3 /day from borewell for cooling tower								
Details of Swimming pool (If any)	Swimming Pool water capacity is 720 Cum and plant is in shut down condition since date of commission.									
<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>	3.5 mts
	<b>Size and no of RWH tank(s) and Quantity:</b>	2 nos. (1 of 50 cum and 1 of 7.5 cum)
	<b>Location of the RWH tank(s):</b>	Block L and near tennis court.
	<b>Quantity of recharge pits:</b>	16 recharge pits are available
	<b>Size of recharge pits :</b>	2.5m x 2.5m x 3.5m
	<b>Budgetary allocation (Capital cost) :</b>	34.89 lacs
	<b>Budgetary allocation (O &amp; M cost) :</b>	6 lacs per annum
	<b>Details of UGT tanks if any :</b>	2 lacs ltrs - 2 Nos for BMC water storage 7.5 KL -1 No for RWH at tennis court 3 KL - 1 No for Gundavali Water Body 3 KL - 1 No for Courtyard Water Body We have below mentioned tanks in Basement at L block - 75 KL x 2 Nos as Fire Tank 50 KL x 2 Nos as Domestic Raw Water Tank 50 KL x 2 Nos as Domestic Treated Water Tank 50 KL x 2 Nos as HVAC Tank 50 KL x 3 Nos as Borewell Water Tank 50 KL x 1 No as Irrigation / RWH Water Tank
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	Natural water drain pattern is maintained.
	<b>Quantity of storm water:</b>	1300 cum/ day
	<b>Size of SWD:</b>	600 mm wide
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	Currently 76 cmd generated and having plant capacity of 128 cmd
	<b>STP technology:</b>	SAFF
	<b>Capacity of STP (CMD):</b>	1 STP of 130 cmd
	<b>Location &amp; area of the STP:</b>	Utility Block L
	<b>Budgetary allocation (Capital cost):</b>	INR 2000000
	<b>Budgetary allocation (O &amp; M cost):</b>	INR 216000
<b>36.Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	Debris generated was disposed off to MCGM approved land filling sites
	<b>Disposal of the construction waste debris:</b>	Debris generated was disposed off to MCGM approved land filling sites
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	165 kg/ day
	<b>Wet waste:</b>	135 kg/ day
	<b>Hazardous waste:</b>	Used lube oil appx 350 ltrs per year,
	<b>Biomedical waste (If applicable):</b>	Not applicable
	<b>STP Sludge (Dry sludge):</b>	STP sludge not generated as sewage input is very less & water quality is high. In case dry sludge gets generated it will be passed through press to form cake & cube utilised for gardening purpose.
	<b>Others if any:</b>	Battery waste generated appx 15 874 kg once in four year, Non biodegradable waste appx 1.6 kg per day including e waste, plastic etc

<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Composted on site through composting pits, vermicomposting bags, organic waste converter with tray & non biodegradable waste is handed over to authorized recycler.
	<b>Wet waste:</b>	Composted on site through Biomethanization plant & Organic waste converter
	<b>Hazardous waste:</b>	Disposed off through CPCB/ MPCB authorized vendors
	<b>Biomedical waste (If applicable):</b>	Not applicable
	<b>STP Sludge (Dry sludge):</b>	If generated it will be passed through installed filter press , to form cakes & cubes and utilized for gardening purpose.
	<b>Others if any:</b>	Batteries & ewaste Disposed off through CPCB /MPCB authorized vendors only
<b>Area requirement:</b>	<b>Location(s):</b>	Near tennis court
	<b>Area for the storage of waste &amp; other material:</b>	1300 sq ft for dry waste segregation, 2500 sq ft for horticultural waste & 5000 sq ft for e waste & general scrap
	<b>Area for machinery:</b>	60 sq mtrs ( Biomethanization plant, Organic Waste converter , vermicomposting pits )
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	24.54 lacs
	<b>O &amp; M cost:</b>	5.45 lacs per annum

### 37.Effluent Charecterestics

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

### 38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used Lube oil	5.1	lts	350 ltrs	Not applicable	350	CPCB authorised vendor


### 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	5 nos. attached to DG sets	HSD of 150 lit	5	15.35 m, 15.35 m, 15.35 m, 10.36 m, 5 m	0.254 m, 0.254 m, 0.254 m, 0.22 m , 0.1 m	150 OC

### 40.Details of Fuel to be used

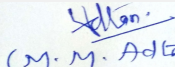
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Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	HSD fuel tank capacity of 990 ltrs for 4 nos and 100 ltrs for 40 kva DG	0	4060 lit
41.Source of Fuel		Public Petrol Pump Andheri East		
42.Mode of Transportation of fuel to site		In barrels of 200 lit in approved vehicles on hire		
<b>43.Green Belt Development</b>				
		<b>Total RG area :</b>	2111.88 sqm. Total landscape area is appx 14 acres	
		<b>No of trees to be cut :</b>	190 trees cut	
		<b>Number of trees to be planted :</b>	380 trees are planted	
		<b>List of proposed native trees :</b>	Refer enclosed tree list	
		<b>Timeline for completion of plantation :</b>	Plantation done	
<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	Refer enclosed tree list	Refer enclosed tree list	Refer enclosed tree list	Refer enclosed tree list
<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	Refer enclosed tree list	Refer enclosed tree list	Refer enclosed tree list	
<b>47.Energy</b>				

  
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<b>Power requirement:</b>	<b>Source of power supply :</b>	Tata Power and Reliance Power
	<b>During Construction Phase: (Demand Load)</b>	Not applicable
	<b>DG set as Power back-up during construction phase</b>	Not applicable
	<b>During Operation phase (Connected load):</b>	3713 KW (Tata Power ) +400 KW (Reliance Infrastructure )
	<b>During Operation phase (Demand load):</b>	3.4 MVA
	<b>Transformer:</b>	1250 KVA x 3 nos
	<b>DG set as Power back-up during operation phase:</b>	3 x 1010 kva + 1 x 600 kva + 1 x 40 kva DG sets are installed
	<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:


Using LED/CFL lights and energy efficient fixtures and  
 Use of motion detection sensors  
 Using energy efficient motors & group control facility for lifts  
 Using ISI rating motors with 60% efficiency water pumps  
 Using ISI rating motors with 75% efficiency motors  
 Energy metering system for internal and external lighting  
 Creation of Remote Energy Monitoring center and use of analytics  
 Use of automatic sprinkler system for garden area

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

Serial Number	Energy Conservation Measures	Saving %
1	10%	6,00,000, kwh units per year

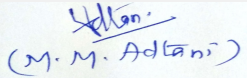
#### 50. Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Biodegradable Dry & Wet waste	Biomethanation plant & Organic waste converter	Already installed
Horticulture waste	Vermicomposting	Already installed
Sewage Generation	Sewage treatment plant	Already installed
Solid Waste (Non biodegradable )	Waste segregation area	Already provided
Sewage Generation	STP	Already installed
Air emission from DG Set	Provision of DG stack & stack monitoring	Already installed

  
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Noise from DG set	DG acoustic enclosure provided	Already installed					
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	2.1 crs (LED Lamps, VFD installation in AHU, Auto motion & installation of Roof top solar plant, CO2 sensor & fresh air damper )					
	<b>O &amp; M cost:</b>	14 lacs					
<b>51.Environmental Management plan Budgetary Allocation</b>							
<b>a) Construction phase (with Break-up):</b>							
<b>Serial Number</b>	<b>Attributes</b>	<b>Parameter</b>	<b>Total Cost per annum (Rs. In Lacs)</b>				
1	Not applicable	Not applicable	Not applicable				
<b>b) Operation Phase (with Break-up):</b>							
<b>Serial Number</b>	<b>Component</b>	<b>Description</b>	<b>Capital cost Rs. In Lacs</b>	<b>Operational and Maintenance cost (Rs. in Lacs/yr)</b>			
1	Sewage treatment plant	SAFF	20 lacs	2.16 lacs			
2	Solid waste management	Biomethanization, OWC, Vermicomposting pits	24.54 lacs	5.45 lacs			
3	Rain water harvesting System	RWH & Recharge pits	34.89 lacs	6 lacs			
4	Landscaping	14 acres	204 lacs	50 lacs			
5	Energy Saving Features	Measures as per MOEF notification dated 9th Dec 2016 & ECBC 2016 guidelines	210 lacs	14 lacs			
6	Environmental Monitoring	DG state, Air quality, noise	0	0.6 lacs			
<b>51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)</b>							
<b>Description</b>	<b>Status</b>	<b>Location</b>	<b>Storage Capacity in MT</b>	<b>Maximum Quantity of Storage at any point of time in MT</b>	<b>Consumption / Month in MT</b>	<b>Source of Supply</b>	<b>Means of transportation</b>
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>			2 nos., Code of practice. Traffic calming measures suggested by institute of Urban Transport Planning are implemented as per MOEF circular dtd 09 Dec 2016				

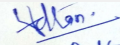
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<b>Parking details:</b>	<b>Number and area of basement:</b>	2 nos. 1,32,935 sqft in K block, 31,624 sqft in L block
	<b>Number and area of podia:</b>	Not applicable
	<b>Total Parking area:</b>	1,32,935 sqft
	<b>Area per car:</b>	121 sqft
	<b>Area per car:</b>	121 sqft
	<b>Number of 2-Wheelers as approved by competent authority:</b>	150
	<b>Number of 4-Wheelers as approved by competent authority:</b>	385
	<b>Public Transport:</b>	Not applicable
	<b>Width of all Internal roads (m):</b>	internal drive way of minimum width of 6 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>	At apprx 10.2 km from Sanjay Gandhi National Park
	<b>Category as per schedule of EIA Notification sheet</b>	Category B : 7(c) to be read in conjunction with 8 ( a )
	<b>Court cases pending if any</b>	Please refer point v)
	<b>Other Relevant Informations</b>	Aggrieved by the Direction issued by the Member Secretary, SEAC dtd 16th Jan 2017, appeal No. 8/2017 was filed by TCS before the NGT Western Zone Bench Pune The Hon'ble Tribunal by its order in the said Appeal on 28.11.2017, directed us to approach MoEF for post facto approval of the project. TCS filed it's online application for Ex Post Facto Environment Clearance for Phase 1 under Sl. No. 7 (c) of the Schedule to the Ministry of Environment, New Delhi and in reply to our above mentioned application, The Member Secretary, Expert Appraisal Committee, (Infra 2), Ministry of Environment, New Delhi, vide online Essential Detail Sought dated 01.02.2018 directed TCS to refile the application before the State Expert Appraisal Committee II (SEAC II), Maharashtra. TCS responded to online Essential Detail Sought dated 01.02.2018 to the Ministry of Environment and Forest, New Delhi vide its letter dated 08.03.2018 requesting The Member Secretary, Expert Appraisal Committee, Ministry of Environment and Forest, New Delhi to process the TCS application for grant ex post facto Environment Clearance to the Phase-I of the IT Park at Andheri (W), Mumbai as directed by the NGT. As TCS did not receive any response to its letter dated 08.03.2018 from The Member Secretary, TCS filed an Execution Application No. 27 or 2018 in Appeal No. 8 of 2017 [WZ] before the NGT inter alia, for the execution of the judgment dated 28.11.2017 passed by the NGT and seeking appropriate directions upon the Ministry of Environment and Forest, New Delhi. The Execution Application was heard by the NGT on 12.04.2018. The matter comes up for hearing on 03.05.2018. This application is filed without prejudice to our rights.

  
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	<b>Have you previously submitted Application online on MOEF Website.</b>	Yes
	<b>Date of online submission</b>	28-12-2017

## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summarised in brief information of Project as below.

### Brief information of the project by SEAC

PP was present during the meeting along with environmental consultant M/s. Aditya Environmental Services Pvt. Ltd.

It is noted that proposal under consideration is of Violation of EIA Notification 2006, as amended, defined in MoEF & CC notification dated 14<sup>th</sup> March 2017 & 8<sup>th</sup> March 2018.

PP informed that, the project under consideration is IT Park. The total plot area of the project is 90,122.50 Sq. mt. having total construction area 60603 Sq. mt. (FSI -40,603.34 Sq. mt.+ NON FSI-20,000 Sq. mt.).

Committee noted that, the proposal previously considered in 68<sup>th</sup>, 84<sup>th</sup>, 87<sup>th</sup> & 90<sup>th</sup> SEAC-2 meeting held on 7/9/2018, 7/1/2019, 7/2/2019 & 27/2/2019 respectively. In 87<sup>th</sup> Meeting, the proposal was considered under MoEF&CC notification regarding violation dated 14<sup>th</sup> March 2017 & 8<sup>th</sup> March 2018 and accordingly, additional ToR as per the format suggested by SEIAA vide letter dated 30.01.2019 was approved. PP informed that, they have submitted the EIA. In 90<sup>th</sup> meeting Committee noted that, calculations of the Damage assessment report, remediation plan and Natural and Community Resource Augmentation Plan is not as per the format suggested by SEIAA vide letter dated 30.01.2019, hence, proposal deferred. Accordingly, PP submitted the revised calculations of the Damage assessment report, remediation plan and Natural and Community Resource Augmentation Plan.

Damage assessment report specifying activities contributing to the environmental damage and degradation noted from the report and deliberated in detail during the meeting.

### DECISION OF SEAC

Committee noted that the formats regarding Damage Assessment Report, Remediation Plan and Natural Community Resource Augmentation are again not filled in properly. The discrepancies where ever noticed were duly pointed out in general to the PP. The PP has to resubmit the said formats filled in correctly and duly signed and stamped by accredited Consultant

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

Specific Conditions by SEAC:

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## FINAL RECOMMENDATION

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

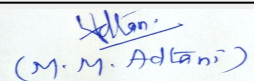
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**Shri M.M.Adtani (Chairman**  
**SEAC-II)**

## Agenda of 100th Meeting of State Expert Appraisal Committee-2 (SEAC-2)


**SEAC Meeting number: 100 Meeting Date May 20, 2019**

**Subject:** Environment Clearance for Proposed Residential Project at C.T.S.NO.827A/4C/1 & 2 AT MALAD -EAST, MUMBAI

**Is a Violation Case:** No

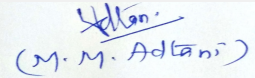
1.Name of Project	FERANI HOTELS PVT. LTD.
2.Type of institution	Private
3.Name of Project Proponent	Shri. D. D. Bhagwat; FERANI HOTELS PVT. LTD.
4.Name of Consultant	Dr. D. A. Patil; Mahabal Enviro Engineers Pvt. Ltd.
5.Type of project	Residential Project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	C.T.S.NO.827A/4C/1 & 2 AT MALAD -EAST.MUMBAI
9.Taluka	Borivali
10.Village	Malad
Correspondence Name:	Shri. D. D. Bhagwat
Room Number:	623
Floor:	Second Floor
Building Name:	Construction House - B
Road/Street Name:	Linking Road
Locality:	Opposite Khar Telephone Exchange, Khar
City:	Mumbai - 400052
11.Area of the project	Municipal Corporation of Greater Mumbai (MCGM)
12.IOD/IOA/Concession/Plan Approval Number	IOD obtained <b>IOD/IOA/Concession/Plan Approval Number:</b> EE/CE/5054 BP/WS/AP DT 17.04.1997; AMENDED PLAN APPROVED DT 26.04.2000 <b>Approved Built-up Area:</b> 3556.02
13.Note on the initiated work (If applicable)	-
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	19,231.60 m2
16.Deductions	5217.56 m2
17.Net Plot area	14,014.04 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 44,831.62 b) Non FSI area (sq. m.): 25,064.94 c) Total BUA area (sq. m.): 69896.56
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 3556.02 Approved Non FSI area (sq. m.): Date of Approval: 26-04-2000
19.Total ground coverage (m2)	6696.31
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	47%
21.Estimated cost of the project	1930000000

## 22.Number of buildings & its configuration


  
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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)	
1	1 RESIDENTIAL BUILDING	Basement (pt) + Stilt + 2 Podium+27 Upper Floors	93.75	
23.Number of tenants and shops	Flats: 1066 Nos.			
24.Number of expected residents / users	5330 Nos.			
25.Tenant density per hectare	385			
26.Height of the building(s)				
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	The project site is accessible by 36.6 m wide Reservoir Road off General Arun Kumar Vaidya Marg from West side and 18.30 m wide road from North and East side			
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	-			
30.Details of the demolition with disposal (If applicable)	-			
<b>31.Production Details</b>				
Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	-	-	-	-
<b>32.Total Water Requirement</b>				

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Dry season:	Source of water	MCGM
	Fresh water (CMD):	480
	Recycled water - Flushing (CMD):	240
	Recycled water - Gardening (CMD):	18
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	720
	Fire fighting - Underground water tank(CMD):	AS PER NBC
	Fire fighting - Overhead water tank(CMD):	AS PER NBC
	Excess treated water	407
Wet season:	Source of water	MCGM
	Fresh water (CMD):	450
	Recycled water - Flushing (CMD):	240
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	720
	Fire fighting - Underground water tank(CMD):	AS PER NBC
	Fire fighting - Overhead water tank(CMD):	AS PER NBC
	Excess treated water	425
Details of Swimming pool (If any)	-	

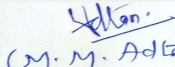
### 33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	-	-	-	-	-	-	-	-	-


  
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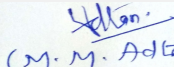
  
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<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	4 - 5 m
	<b>Size and no of RWH tank(s) and Quantity:</b>	1 RWH Tanks with total 60 KL capacity
	<b>Location of the RWH tank(s):</b>	Below Basement
	<b>Quantity of recharge pits:</b>	-
	<b>Size of recharge pits :</b>	-
	<b>Budgetary allocation (Capital cost) :</b>	13.8 Lakh
	<b>Budgetary allocation (O &amp; M cost) :</b>	1.4 Lakh/yr
	<b>Details of UGT tanks if any :</b>	Under Ground Tanks are provided
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	Towards South Side
	<b>Quantity of storm water:</b>	2090 m3/hr
	<b>Size of SWD:</b>	600 mm wide channel
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	672
	<b>STP technology:</b>	MBBR
	<b>Capacity of STP (CMD):</b>	1STP of 750 KLD capacity
	<b>Location &amp; area of the STP:</b>	Location: Below Basement
	<b>Budgetary allocation (Capital cost):</b>	150 Lakh
	<b>Budgetary allocation (O &amp; M cost):</b>	30 Lakh/yr
<b>36.Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	Construction debris : 2030 m3
	<b>Disposal of the construction waste debris:</b>	The construction debris will be utilized at site for Road Paving
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	1066 kg/d
	<b>Wet waste:</b>	1599 kg/d
	<b>Hazardous waste:</b>	-
	<b>Biomedical waste (If applicable):</b>	-
	<b>STP Sludge (Dry sludge):</b>	7 KLD
	<b>Others if any:</b>	-

  
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<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Dry garbage will be disposed off to authorized recyclers
	<b>Wet waste:</b>	Wet garbage will be composted using Mechanical Composting unit and will be used as organic manure for landscaping.
	<b>Hazardous waste:</b>	-
	<b>Biomedical waste (If applicable):</b>	-
	<b>STP Sludge (Dry sludge):</b>	Sludge use as manure for gardening
	<b>Others if any:</b>	-
<b>Area requirement:</b>	<b>Location(s):</b>	Ground Floor
	<b>Area for the storage of waste &amp; other material:</b>	125 m2
	<b>Area for machinery:</b>	56 m2
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	80 Lakh
	<b>O &amp; M cost:</b>	32 Lakh

### 37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	-	-	-	-	-
Amount of effluent generation (CMD):		-			
Capacity of the ETP:		-			
Amount of treated effluent recycled :		-			
Amount of water send to the CETP:		-			
Membership of CETP (if require):		-			
Note on ETP technology to be used		-			
Disposal of the ETP sludge		-			

### 38. Hazardous Waste Details

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


### 39. Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	-	-	-	-	-	-

### 40. Details of Fuel to be used

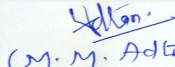
Serial Number	Type of Fuel	Existing	Proposed	Total
1	-	-	-	-

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

  
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<b>43.Green Belt Development</b>	<b>Total RG area :</b>	3,622.67 m <sup>2</sup>
	<b>No of trees to be cut :</b>	-
	<b>Number of trees to be planted :</b>	New Trees to be planted: 150 Nos.
	<b>List of proposed native trees :</b>	As mentioned below
	<b>Timeline for completion of plantation :</b>	Trees will be planted after completion of construction work

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	AZADIRACHTA INDICA	NEEM	11	Semi-evergreen tree with medicinal value
2	ALBIZIA LEBBECK	SHIRISH	21	Shady tree, yellowish green fragrant flowers
3	ALSTONIA SCHOLARIS	SAPTAPARN	13	Shady, large evergreen Tree, white fragrant flowers
4	BAUHINEA PURPUREA	KANCHAN	9	Shady tree
5	ERYTHRINA INDICA	PANGARA	12	Medium sized deciduous tree. Bright scarlet flowers.
6	CASSIA FISTULA	BAHAHA	7	Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plant
7	PONGAMIA PINNATA / GLABRA	KARANJ	10	Shady Tree
8	MIMOSUPS ELENGII	BAKUL	6	Shady tree, small white fragrant flowers
9	PLUMERIA ALBA	CHAPHA	11	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
10	ANTHOCEPHALLUS CADAMBA	KADAMB	15	Shady, large deciduous tree, fastgrowing graceful tree, ball shaped flowers.
11	MILLINGTONIA HORTENSIS	INDIAN CORK TREE	12	Shady Tree
12	LAGERSTROEMIA FLOS-REGINEAE	TAMHAN	8	State flower tree of Maharashtra Medium sized tree, beautiful purple flowers
13	MILICIA EXCELSA	KHAYA	10	Medium sized deciduous tree
14	SYZYGIUM CUMINI	JAMUN	5	Shady tree, white juicy fruit

#### 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 m <sup>2</sup>
1	-	-	-

#### 47.Energy

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<b>Power requirement:</b>	<b>Source of power supply :</b>	Adani Electricity
	<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>	3.5 MW
	<b>During Operation phase (Demand load):</b>	2.2 MW
	<b>Transformer:</b>	-
	<b>DG set as Power back-up during operation phase:</b>	375 kVA (3 X 125 kVA)
	<b>Fuel used:</b>	Diesel
	<b>Details of high tension line passing through the plot if any:</b>	NA

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

- Energy efficient lighting using LED
- Use of high energy efficient pumps for fire fighting, UG tanks and STP
- Solar Street lights are proposed for common areas such as open spaces, pathways, RG etc.
- Solar hot water will be provided

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

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

#### 50. Details of pollution control Systems


Source	Existing pollution control system	Proposed to be installed
-	-	-

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	25 Lakh
	<b>O &amp; M cost:</b>	1.3 Lakh/yr

### 51. Environmental Management plan Budgetary Allocation

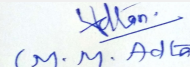
#### a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water spray for dust suppression	-	3
2	Site sanitation and potable water supply to labour	-	8

  
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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	4
4	Health check up and first aid	-	4
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)	3
7	Safety Nets	-	20
8	Storm water Management	SWD along plot boundary	3
9	Tyre cleaning and Vehicle maintenance	-	3
10	Safety Training to Workers, Safety Officer	-	7
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)	Continuous O & M	150	30
2	Solar System	Weekly	25	1.3
3	Rain Water Harvesting	During Rainy season	13.8	1.4
4	Solid waste composting	Continuous O & M	80	32
5	Landscape	Daily	31.3	4.7
6	Environmental Monitoring	As per the CPCB guidelines through MoEF Approved laboratory	-	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
-	-	-	-	-	-	-	-

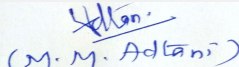
**52.Any Other Information**

No Information Available

  
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### 53. Traffic Management

	<b>Nos. of the junction to the main road &amp; design of confluence:</b>	-
<b>Parking details:</b>	<b>Number and area of basement:</b>	1 part basement with 1376.06 m2 area
	<b>Number and area of podia:</b>	Podium 1 with 5652.08 m2 area ; Podium 2 with 2071.18 m2 area
	<b>Total Parking area:</b>	Gross parking area: 13,375.34 m2
	<b>Area per car:</b>	-
	<b>Area per car:</b>	-
	<b>Number of 2-Wheelers as approved by competent authority:</b>	20 Nos.
	<b>Number of 4-Wheelers as approved by competent authority:</b>	292 Nos.
	<b>Public Transport:</b>	-
	<b>Width of all Internal roads (m):</b>	6m - 9m driveways
	<b>CRZ/ RRZ clearance obtain, if any:</b>	NA
	<b>Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries</b>	Permission is received from SGNP Eco Sensitive Zone Monitoring Committee vide letter No. DESK/1/20/LND/ESZ/3928 OF 2018-19 DT. 01.11.2018
	<b>Category as per schedule of EIA Notification sheet</b>	8(a)
	<b>Court cases pending if any</b>	Bombay High Court. Suit No. 1628 of 2008. The only orders relevant to the proposed are the order dated 19.07.2012 disposing of Appeal Nos. 817 of 2010 and 806 of 2010 in the said Suit; there is no restriction on the development which is being carried on / is to be carried on by the Applicant on the said land.
	<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

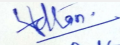
Summarised in brief information of Project as below.

### 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. Mahabal Enviro Engineers Pvt. Ltd..

PP informed that, the project under consideration is *proposed New Residential Project*. PP further stated that, the total plot area of the project is 19,231.60 Sq.mt.having total construction area 69896.56 Sq.mt.(FSI - 44,831.62 sq.mt +NON FSI- Total - 25,064.94 sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
1 RESIDENTIAL BUILDING	Basement (pt) + Stilt + 2 Podium+27 Upper Floors	93.75

It is noted that the project earlier considered in 95th SEAC-2 Meeting held on 08-04-2019 & deferred with observations namely to submit the copy of acknowledgement for plans. 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


### DECISION OF SEAC

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

#### Specific Conditions by SEAC:

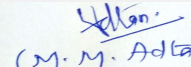
- 1) PP to superimpose layout plan of project on ESZ map of Sanjay Gandhi National park to verify the distance of project site from ESZ.
- 2) PP to submit the copy of CFO NoC.
- 3) PP to ensure that size of flats should be maintained as per affordable housing norms mentioned in MCGM approvals.
- 4) PP to ensure that paved RG portion should not be exceed than 50% of total RG. PP to submit the revised detail RG area calculations (required RG & Provided RG)
- 5) PP to submit the copy of Petition & copies of order passed time to time along with current status with respect to appeal no 817, 806 of 2010 & Bombay High Court. Suit No. 1628 of 2008.
- 6) The PP to get NOC from competent authority with reference to Thane creek flamingo sanctuary if the project site falls within 10 Km radius from the said sanctuary boundary. The planning authority to ensure fulfilment of this condition before granting CC.
- 7) PP to submit CER of 1.5% prescribed by 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.

### FINAL RECOMMENDATION

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

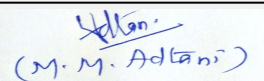
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## Agenda of 100th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

**SEAC Meeting number: 100 Meeting Date May 20, 2019**

**Subject:** Environment Clearance for Amendment in EC for Residential Project "Raheja Residency" at CTS No. 827A/1A & 827A/2 Malad (E), Mumbai

**Is a Violation Case:** No

<b>1.Name of Project</b>	FERANI HOTELS PVT. LTD.
<b>2.Type of institution</b>	Private
<b>3.Name of Project Proponent</b>	Shri. D. D. Bhagwat; FERANI HOTELS PVT. LTD.
<b>4.Name of Consultant</b>	Dr. D. A. Patil; Mahabal Enviro Engineers Pvt. Ltd.
<b>5.Type of project</b>	Residential Project
<b>6.New project/expansion in existing project/modernization/diversification in existing project</b>	Amendment in EC
<b>7.If expansion/diversification, whether environmental clearance has been obtained for existing project</b>	Earlier EC received vide letter No. SEIAA-EC-0000000315 dated 17.05.2018
<b>8.Location of the project</b>	CTS No. 827A/1A & 827A/2 Malad (E), Mumbai
<b>9.Taluka</b>	Borivali
<b>10.Village</b>	Malad
<b>Correspondence Name:</b>	Shri. D. D. Bhagwat
<b>Room Number:</b>	623
<b>Floor:</b>	Second Floor
<b>Building Name:</b>	Construction House - B
<b>Road/Street Name:</b>	Linking Road
<b>Locality:</b>	Opposite Khar Telephone Exchange, Khar
<b>City:</b>	Mumbai - 400052
<b>11.Area of the project</b>	Municipal Corporation of Greater Mumbai (MCGM)
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	IOD/CC obtained
	<b>IOD/IOA/Concession/Plan Approval Number:</b> CHE/7125/BP(WS)/AP; CHE/7127/BP(WS)/AP; CHE/7129/BP(WS)/AP; CHE/7131/BP(WS)/AP; CHE/7126/BP(WS)/AP; CHE/7128/BP(WS)/AP; CHE/7130/BP(WS)/AP;
	<b>Approved Built-up Area:</b> 127163.95
<b>13.Note on the initiated work (If applicable)</b>	Bldg A,B,C,D,E are existing building and Bldg F,G,H are nearing completion
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	NA
<b>15.Total Plot Area (sq. m.)</b>	57252.10
<b>16.Deductions</b>	1517.30
<b>17.Net Plot area</b>	55734.80
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> 177067.00
	<b>b) Non FSI area (sq. m.):</b> 194997.00
	<b>c) Total BUA area (sq. m.):</b> 372064.00
<b>18 (b).Approved Built up area as per DCR</b>	<b>Approved FSI area (sq. m.):</b> 51172.54
	<b>Approved Non FSI area (sq. m.):</b> 127163.95
	<b>Date of Approval:</b> 19-03-2016
<b>19.Total ground coverage (m2)</b>	29851
<b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>	52.13
<b>21.Estimated cost of the project</b>	9457200000

## 22.Number of buildings & its configuration

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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Existing Bldg	-	-
2	Wing A	St + 10	36.15
3	Wing D	St + 20	66.35
4	Wing E	St + 20	66.35
5	Wing F	B + St + 20	69.15
6	Wing G	B + St + 20	69.15
7	Wing H	B + St + 20	69.15
8	Proposed Bldg	-	-
9	Wing BC	B + P + St + 20	69.95
10	Wing I	B + St + U St + 35	119.95
11	Wing J	B + St + U St + 35	119.95
12	Wing K	B + St + U St + 35	119.95
13	Wing L	B + St + U St + 35	119.95
14	Wing M	2B + St + 34	119.05
15	Wing N	2B + St + 34	119.05
16	Wing P	3B + St + 20	69.95
17	Wing Q	3B + St + 29	102.65
18	Wing R	3B + St + 31	109.05
19	Wing S	3B + St + 29	102.65
20	Wing T	3B + St + 20	69.95
21	Club House	B + G + 1	08.00

<b>23.Number of tenants and shops</b>	Flats: 2144 Nos.
<b>24.Number of expected residents / users</b>	10,720 Nos.
<b>25.Tenant density per hectare</b>	385
<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 project site is accessible by 36.6 m wide Reservoir Road off General Arun Kumar Vaidya Marg from West side and 18.30 m wide road from North and East side
<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
<b>29.Existing structure (s) if any</b>	Building A,B,C,D,E are existing
<b>30.Details of the demolition with disposal (If applicable)</b>	Existing Building B and C are proposed to be demolished by constructing new Bldg BC with new planing. Disposal of debris will be in accordance with guidelines of local authority.

### 31. Production Details

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


### 32. Total Water Requirement

<b>Dry season:</b>	Source of water	MCGM							
	Fresh water (CMD):	965							
	Recycled water - Flushing (CMD):	482							
	Recycled water - Gardening (CMD):	70							
	Swimming pool make up (Cum):	12							
	Total Water Requirement (CMD) :	1459							
	Fire fighting - Underground water tank(CMD):	AS PER NBC							
	Fire fighting - Overhead water tank(CMD):	AS PER NBC							
	Excess treated water	785							
<b>Wet season:</b>	Source of water	MCGM							
	Fresh water (CMD):	819							
	Recycled water - Flushing (CMD):	482							
	Recycled water - Gardening (CMD):	0							
	Swimming pool make up (Cum):	12							
	Total Water Requirement (CMD) :	1459							
	Fire fighting - Underground water tank(CMD):	AS PER NBC							
	Fire fighting - Overhead water tank(CMD):	AS PER NBC							
	Excess treated water	855							
<b>Details of Swimming pool (If any)</b>	Yes swimming pool is provided								

### 33. Details of Total water consumed

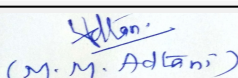
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	-	-	-	-	-	-	-	-	-

<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>	18 RWH Tanks with total 450 KL capacity
	<b>Location of the RWH tank(s):</b>	Below Basement
	<b>Quantity of recharge pits:</b>	-
	<b>Size of recharge pits :</b>	-
	<b>Budgetary allocation (Capital cost) :</b>	104 Lakh
	<b>Budgetary allocation (O &amp; M cost) :</b>	5.2 Lakh/yr
	<b>Details of UGT tanks if any :</b>	Under Ground Tanks are provided
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	Towards South Side
	<b>Quantity of storm water:</b>	6032.27 m3/hr
	<b>Size of SWD:</b>	600 mm, 800 mm, 750 mm, 1000 mm wide channel
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	1351
	<b>STP technology:</b>	MBBR
	<b>Capacity of STP (CMD):</b>	3 STP of total 1500 KLD capacity
	<b>Location &amp; area of the STP:</b>	Location: Below Basement; Area provided: 1357 m2
	<b>Budgetary allocation (Capital cost):</b>	300 Lakh
	<b>Budgetary allocation (O &amp; M cost):</b>	60 Lakh/yr
<b>36.Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	Construction debris : 10,607 m3; Excavation quantity : 1,47,520 m3
	<b>Disposal of the construction waste debris:</b>	The construction debris will be utilized at site for Road Paving
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	2144 kg/d
	<b>Wet waste:</b>	3216 kg/d
	<b>Hazardous waste:</b>	-
	<b>Biomedical waste (If applicable):</b>	-
	<b>STP Sludge (Dry sludge):</b>	14 KLD
	<b>Others if any:</b>	-

  
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<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Dry garbage will be disposed off to authorized recyclers
	<b>Wet waste:</b>	Wet garbage will be composted using Mechanical Composting unit and will be used as organic manure for landscaping.
	<b>Hazardous waste:</b>	-
	<b>Biomedical waste (If applicable):</b>	-
	<b>STP Sludge (Dry sludge):</b>	Sludge use as manure for gardening
	<b>Others if any:</b>	-
<b>Area requirement:</b>	<b>Location(s):</b>	Ground Floor
	<b>Area for the storage of waste &amp; other material:</b>	250 m2
	<b>Area for machinery:</b>	50 m2
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	140 Lakh
	<b>O &amp; M cost:</b>	56 Lakh

### 37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	-	-	-	-	-
Amount of effluent generation (CMD):		-			
Capacity of the ETP:		-			
Amount of treated effluent recycled :		-			
Amount of water send to the CETP:		-			
Membership of CETP (if require):		-			
Note on ETP technology to be used		-			
Disposal of the ETP sludge		-			

### 38. Hazardous Waste Details

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


### 39. Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	-	-	-	-	-	-

### 40. Details of Fuel to be used

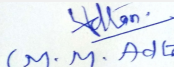
Serial Number	Type of Fuel	Existing	Proposed	Total
1	-	-	-	-

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

  
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<b>43.Green Belt Development</b>	<b>Total RG area :</b>	13966.42 m2
	<b>No of trees to be cut :</b>	-
	<b>Number of trees to be planted :</b>	Existing Trees on site: 244 Nos.; New Trees to be planted: 549 Nos.
	<b>List of proposed native trees :</b>	As mentioned below
	<b>Timeline for completion of plantation :</b>	Trees will be planted after completion of construction work

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	AZADIRACHTA INDICA	NEEM	41	Semi-evergreen tree with medicinal value
2	ALBIZIA LEBBECK	SHIRISH	39	Shady tree, yellowish green fragrant flowers
3	ALSTONIA SCHOLARIS	SAPTAPARN	45	Shady, large evergreen Tree, white fragrant flowers
4	BAUHINEA PURPUREA	KANCHAN	37	Shady tree
5	ERYTHRINA INDICA	PANGARA	40	Medium sized deciduous tree. Bright scarlet flowers.
6	CASSIA FISTULA	BAHAHA	35	Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plant
7	PONGAMIA PINNATA / GLABRA	KARANJ	51	Shady Tree
8	MIMOSUPS ELENGII	BAKUL	50	Shady tree, small white fragrant flowers
9	PLUMERIA ALBA	CHAPHA	160	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
10	ANTHOCEPHALLUS CADAMBA	KADAMB	56	Shady, large deciduous tree, fastgrowing graceful tree, ball shaped flowers.
11	MILLINGTONIA HORTENSIS	INDIAN CORK TREE	3	Shady Tree
12	LAGERSTROEMIA FLOS-REGINEAE	TAMHAN	40	State flower tree of Maharashtra Medium sized tree, beautiful purple flowers
13	MILICIA EXCELSA	KHAYA	3	Medium sized deciduous tree
14	MANGIFERA INDICA	MANGO	46	Large, shady tree, fruity plant
15	SYZGIUM CUMINI	JAMUN	38	Shady tree, white juicy fruit
16	PSIDIUM GUAJAVA	GUAVA	29	Medium sized tree, fruity plant
17	MANILKARA ZAPOTA	CHIKU	45	Medium sized tree, fruity plant
18	ANNONA RETICULATA	CUSTARD APPLE	35	Medium sized tree, fruity plant

45.Total quantity of plants on ground

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

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

### 47. Energy

<b>Power requirement:</b>	Source of power supply :	Adani Electricity
	During Construction Phase: (Demand Load)	500 kVA
	DG set as Power back-up during construction phase	500 kVA
	During Operation phase (Connected load):	26 MW
	During Operation phase (Demand load):	31 MW
	Transformer:	-
	DG set as Power back-up during operation phase:	1062.5 kVA (62.5 kVA x 17)
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

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

- Energy efficient lighting using LED
- Use of high energy efficient pumps for fire fighting, UG tanks and STP
- Solar Street lights are proposed for common areas such as open spaces, pathways, RG etc.
- Solar hot water will be provided

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

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

### 50. Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
-	-	-

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	Capital cost:	130 Lakh
	O & M cost:	6.5 Lakh/yr

### 51. Environmental Management plan Budgetary Allocation

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

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

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2	Site sanitation and potable water supply to labour	-	10
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	4
4	Health check up and first aid	-	5
5	Safety personal protective equipment	(Helmets, Safety Shoes, Safety Belt, Goggles, Hand Gloves etc.)	12
6	Traffic Management	(Sign Boards, Persons at entry exit and Parking area)	4
7	Safety Nets	-	25
8	Storm water Management	SWD along plot boundary	4
9	Tyre cleaning and Vehicle maintenance	-	4
10	Safety Training to Workers, Safety Officer	-	8
11	Disinfection	-	3

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

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP (Tertiary)	Continuous O & M	300	60
2	Solar System	Weekly	130	6.5
3	Rain Water Harvesting	During Rainy season	104	5.2
4	Solid waste composting	Continuous O & M	140	56
5	Landscape	Daily	19	2
6	Environmental Monitoring	As per the CPCB guidelines through MoEF Approved laboratory	-	4

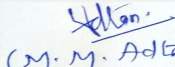
**51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)**

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
-	-	-	-	-	-	-	-

  
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## 52.Any Other Information

No Information Available

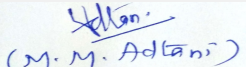
## 53.Traffic Management

	<b>Nos. of the junction to the main road &amp; design of confluence:</b>	-
<b>Parking details:</b>	<b>Number and area of basement:</b>	3 Basements with total area of 76148.42 m2 area
	<b>Number and area of podia:</b>	1 Podium with 18262.27 m2 area
	<b>Total Parking area:</b>	94410.69 m2
	<b>Area per car:</b>	-
	<b>Area per car:</b>	-
	<b>Number of 2-Wheelers as approved by competent authority:</b>	50 Nos.
	<b>Number of 4-Wheelers as approved by competent authority:</b>	2730 Nos.
	<b>Public Transport:</b>	-
	<b>Width of all Internal roads (m):</b>	6m - 9m driveways
	<b>CRZ/ RRZ clearance obtain, if any:</b>	NA
	<b>Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries</b>	Permission is received from SGNP Eco Sensitive Zone Monitoring Committee vide letter No. DESK/1/20/LND/ESZ/3928 OF 2018-19 DT. 01.11.2018
	<b>Category as per schedule of EIA Notification sheet</b>	8(b)
	<b>Court cases pending if any</b>	Bombay High Court. Suit No. 1628 of 2008. The only orders relevant to the proposed are the order dated 19.07.2012 disposing of Appeal Nos. 817 of 2010 and 806 of 2010 in the said Suit; there is no restriction on the development which is being carried on / is to be carried on by the Applicant on the said land.
	<b>Other Relevant Informations</b>	Total project cost is Rs. 945.72 Cr. Out of which Scrutiny fee of Rs. 5,00,000/- for Rs. 454.63 Cr. is already paid for earlier EC received.  Now, the cost towards Expansion is Rs. 491.09 Cr. Therefore additional fees of Rs. 7,00,000/- is paid.
	<b>Have you previously submitted Application online on MOEF Website.</b>	No
	<b>Date of online submission</b>	-

  
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## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

### Brief information of the project by SEAC

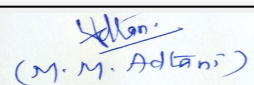
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Representative of PP Mr. DD Bhagwat was present during the meeting along with environmental consultant M/s. Mahabal Enviro Engineers Pvt. Ltd.

PP informed that, the project under consideration is *amendment in EC accorded for Residential Project*. PP further stated that, the total plot area of the project is 57252.10 Sq.mt having total construction area 372064.00 Sq.mt.(FSI - 177067.00 sq.mt +NON FSI- Total -194997.00 sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Existing Bldg	--	--
Wing A	St + 10	36.15
Wing D	St + 20	66.35
Wing E	St + 20	66.35
Wing F	B + St + 20	69.15
Wing G	B + St + 20	69.15
Wing H	B + St + 20	69.15
Proposed Bldg	--	--
Wing BC	B + P + St + 20	69.95
Wing I	B + St + U St + 35	119.95
Wing J	B + St + U St + 35	119.95
Wing K	B + St + U St + 35	119.95
Wing L	B + St + U St + 35	119.95
Wing M	2B + St + 34	119.05
Wing N	2B + St + 34	119.05
Wing P	3B + St + 20	69.95
Wing Q	3B + St + 29	102.65
Wing R	3B + St + 31	109.05
Wing S	3B + St + 29	102.65
Wing T	3B + St + 20	69.95
Club House	B + G + 1	08.00

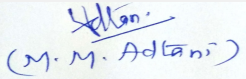
It is noted that, Project has received Environmental clearance vide letter dated 17.05.2018. It is further noted that the project earlier considered in 95th SEAC-2 Meeting held on 08-04-2019) & deferred with observations namely to submit the copy of acknowledgement for plans. Accordingly, PP submitted 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 (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

**After discussion, Committee approved the ToR with following observations & additions, which is valid upto 20/5/2022. EIA will be apprised as & when submitted. Meanwhile PP should comply following points.**

### Specific Conditions by SEAC:

- 1) Committee noted that, PP stated that building A to E with total built up area 33823.85 Sq.mt was already constructed & plinth of the same was sanctioned prior to 7/7/2004. PP to submit & upload copy of plan along with CCs, IODs issued time to time by local planning authority.
- 2) PP to submit the copy of plan submitted to the local planning authority.
- 3) PP to submit the copy of ESZ NoC.
- 4) PP stated that they have earlier proposed to demolish existing building B & C but now, they are retaining the same, due to this the total area changes to 366990Sq.mt instead of 372064. PP to revise the same in online CS.
- 5) PP to submit the dated Architect certificate addressed to committee regarding building-wise construction done on site as per earlier EC.
- 6) PP to submit Contour and slope analysis super imposed with storm water drain, sewer line map in the project and 500 mtr around the project.
- 7) PP to submit the copy of Petition & copies of order passed time to time along with current status with respect to appeal no 817, 806 of 2010 & Bombay High Court. Suit No. 1628 of 2008.
- 8) PP to submit the sewerage network, water supply, storm water drain NOC from local planning authority.
- 9) PP to submit the detail biodiversity chapter in EIA considering the eco-sensitivity of the site.
- 10) PP to ensure ECBC norms are complied.
- 11) PP to submit Contour and slope analysis super imposed with storm water drain, sewer line map in the project and 500 mtr around the project.
- 12) PP to submit & upload wind analysis, shadow analysis, traffic analysis, light and ventilation analysis and measures to reduce heat island effect.
- 13) PP to ensure that maximum treated water should be recycled.
- 14) PP to submit project specific DMP.
- 15) PP to ensure that RG required is as per the norms and should be on Mother Earth.
- 16) PP to submit & upload the design & cross section of STPs indicating minimum 40% area open to sky for adequate ventilation.
- 17) PP to verify the distance of project site from Flamingo Sanctuary. PP to submit & upload the same.
- 18) 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.
- 19) PP to also refer standard ToR published by MoEF vide order dated 10/04/15 in addition to above

## FINAL RECOMMENDATION

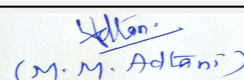
The Committee decided to Grant ToR subject to the above observations, PP requested to prepare and submit EIA report as per EIA Notification, 2006 and amendments thereof.



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## Agenda of 100th Meeting of State Expert Appraisal Committee-2 (SEAC-2)


**SEAC Meeting number: 100 Meeting Date May 20, 2019**

**Subject:** Environment Clearance for Amendment in EC for Residential Development with shops at village Daighar, District - Thane.

**Is a Violation Case:** No


<b>1.Name of Project</b>	Amendment in EC for Residential Development with shops
<b>2.Type of institution</b>	Private
<b>3.Name of Project Proponent</b>	M/s. Glory Township LLP
<b>4.Name of Consultant</b>	M/s. Ultra-Tech
<b>5.Type of project</b>	Residential Development with shops
<b>6.New project/expansion in existing project/modernization/diversification in existing project</b>	Amendment in EC
<b>7.If expansion/diversification, whether environmental clearance has been obtained for existing project</b>	The project has received Environmental Clearance dt 18.06.2015 from EAC, Delhi, MoEF & CC (F. No. 21-141/2014-IA.III)
<b>8.Location of the project</b>	Plot bearing S. no. 89, 88/4, 90/2/5, 90/2/4, 90/1, 90/4, 101/1-2, 101/2, 101/3 of village Daighar, District - Thane.
<b>9.Taluka</b>	Thane
<b>10.Village</b>	Daighar
<b>Correspondence Name:</b>	M/s. Glory Township LLP
<b>Room Number:</b>	Shop no. 4
<b>Floor:</b>	--
<b>Building Name:</b>	Janki Niwas
<b>Road/Street Name:</b>	Dr. Moose Road
<b>Locality:</b>	Near Gadkari Rangaytan
<b>City:</b>	Thane
<b>11.Area of the project</b>	Thane Municipal Corporation (T.M.C.)
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	Received Commencement Certificate from T.M.C. V.P. No. S11/0181/18 dt. 15.10.2018
	<b>IOD/IOA/Concession/Plan Approval Number:</b> Commencement Certificate V.P. No. S11/0181/18 dt. 15.10.2018
	<b>Approved Built-up Area:</b> 31077.63
<b>13.Note on the initiated work (If applicable)</b>	The total constructed area (FSI + NON FSI) on site till date: 698.45 Sq.mt.
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	NA
<b>15.Total Plot Area (sq. m.)</b>	27,398.67 Sq. mt.
<b>16.Deductions</b>	6,973.13 Sq. mt.
<b>17.Net Plot area</b>	20,425.54 Sq. mt.
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> 55,557.06 Sq. mt.
	<b>b) Non FSI area (sq. m.):</b> 51,936.25 Sq. mt.
	<b>c) Total BUA area (sq. m.):</b> 107493.31
<b>18 (b).Approved Built up area as per DCR</b>	<b>Approved FSI area (sq. m.):</b> 31,077.63 sq.mt.
	<b>Approved Non FSI area (sq. m.):</b> 34,904.99 sq.mt.
	<b>Date of Approval:</b> 15-10-2018
<b>19.Total ground coverage (m2)</b>	10,617.96 Sq. mt.
<b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>	52 %
<b>21.Estimated cost of the project</b>	2831000000

## 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 Type A1	Stilt + 18th Floor	57.75
2	Building Type A2	Gr./Stilt + 18th Floor	57.75
3	Building Type B1	Gr./Stilt + 18th Floor	57.75
4	Building Type C1	Gr./Stilt + 28th Floor	87.25
5	Building Type C2	Gr./Stilt + 28th Floor	87.25
6	Building Type D1	Basement + Stilt + Podium + 29th Floor	94.15
7	Building Type D2	Basement + Stilt + Podium + 30th Floor	97.10
8	Building Type D3	Basement + Stilt + Podium + 30th Floor	97.10
9	Building Type D4	Basement + Stilt + Podium + 30th Floor	97.10
10	Building Type B2 (MHADA + Sale)	Gr./Stilt + 18th Floor	57.75

<b>23.Number of tenants and shops</b>	Residential Flats: 1272 Nos. Shops: 40 Nos.
<b>24.Number of expected residents / users</b>	5943 Nos.
<b>25.Tenant density per hectare</b>	592 / hectors
<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>	It is well connected with 60.00s mt. wide Kalyan Shilphata Road.
<b>28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation</b>	9.00 mt.
<b>29.Existing structure (s) if any</b>	Not Applicable
<b>30.Details of the demolition with disposal (If applicable)</b>	Not Applicable


### 31.Production Details

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

### 32.Total Water Requirement

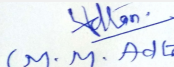
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<b>Dry season:</b>	<b>Source of water</b>	T.M.C./ Tanker water for Swimming pool make up							
	<b>Fresh water (CMD):</b>	Domestic: 527 KLD (T.M.C.)							
	<b>Recycled water - Flushing (CMD):</b>	263 KLD							
	<b>Recycled water - Gardening (CMD):</b>	31 KLD							
	<b>Swimming pool make up (Cum):</b>	4 KLD (Tanker water of potable quality)							
	<b>Total Water Requirement (CMD) :</b>	825 KLD							
	<b>Fire fighting - Underground water tank(CMD):</b>	10 nos. of tanks of capacity 150 KL each							
	<b>Fire fighting - Overhead water tank(CMD):</b>	300 KL							
	<b>Excess treated water</b>	322 KL							
<b>Wet season:</b>	<b>Source of water</b>	T.M.C./ Tanker water for Swimming pool make up/ Partly by RWH							
	<b>Fresh water (CMD):</b>	Domestic: 527 KLD (504 form T.M.C. + 23 KLD from RWH)							
	<b>Recycled water - Flushing (CMD):</b>	263 KLD							
	<b>Recycled water - Gardening (CMD):</b>	NA							
	<b>Swimming pool make up (Cum):</b>	4 KLD (Tanker water of potable quality)							
	<b>Total Water Requirement (CMD) :</b>	794 KLD							
	<b>Fire fighting - Underground water tank(CMD):</b>	10 nos. of tanks of capacity 150 KL each							
	<b>Fire fighting - Overhead water tank(CMD):</b>	300 KL							
	<b>Excess treated water</b>	353 KL							
<b>Details of Swimming pool (If any)</b>	Swimming pool volume: 297.98 m3 Swimming pool make up water requirement: 04 KLD								
<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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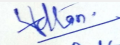
  
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<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	The Ground water level is between 2.40 mt. to 2.70mt. below existing ground level.
	<b>Size and no of RWH tank(s) and Quantity:</b>	3 nos. of RWH tanks of total 85 KL capacity
	<b>Location of the RWH tank(s):</b>	For building type D1, D2, D3 & D4: Basement ; For building type A1, A2, B1, B2, C1 & C2: Underground
	<b>Quantity of recharge pits:</b>	4 nos.
	<b>Size of recharge pits :</b>	--
	<b>Budgetary allocation (Capital cost) :</b>	Rs. 18.70 Lacs
	<b>Budgetary allocation (O &amp; M cost) :</b>	Rs. 0.65 Lacs/annum
	<b>Details of UGT tanks if any :</b>	For building type D1, D2, D3 & D4: Basement For building type A1, A2, B1, B2, C1 & C2: Underground
<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 SWD.
	<b>Quantity of storm water:</b>	0.43 m3/sec
	<b>Size of SWD:</b>	600mm wide SWD with slope 1: 500
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	684 KLD
	<b>STP technology:</b>	MBBR (Moving Bed Bio Reactor)
	<b>Capacity of STP (CMD):</b>	720 KLD
	<b>Location &amp; area of the STP:</b>	Location: Basement level (Area: 600 Sq. mt.)
	<b>Budgetary allocation (Capital cost):</b>	Rs. 235.90 Lacs
	<b>Budgetary allocation (O &amp; M cost):</b>	Rs. 31.64 Lacs/annum
<b>36.Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	Excavated earth shall be partly reused for back filling on site and partly disposed to authorized landfill site
	<b>Disposal of the construction waste debris:</b>	Construction waste shall be partly reused on the site and partly will be disposed to the authorized landfill site.
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	1579 Kg/day
	<b>Wet waste:</b>	1053 Kg/day
	<b>Hazardous waste:</b>	Not Applicable
	<b>Biomedical waste (If applicable):</b>	Not Applicable
	<b>STP Sludge (Dry sludge):</b>	103 kg/day
	<b>Others if any:</b>	Not Applicable

  
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<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Non-recyclable : To T.M.C ; Recyclable: To recyclers
	<b>Wet waste:</b>	Composting in organic waste convertor
	<b>Hazardous waste:</b>	Not Applicable
	<b>Biomedical waste (If applicable):</b>	Not Applicable
	<b>STP Sludge (Dry sludge):</b>	Use as manure
	<b>Others if any:</b>	Not Applicable
<b>Area requirement:</b>	<b>Location(s):</b>	Ground
	<b>Area for the storage of waste &amp; other material:</b>	108 Sq. mt.
	<b>Area for machinery:</b>	12 Sq. mt.
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs. 9.00 Lacs
	<b>O &amp; M cost:</b>	Rs. 3.85 Lacs/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	DG Set	--	--	--	--	--

### 40. Details of Fuel to be used

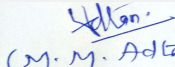
Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	--	--	--

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

  
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<b>43.Green Belt Development</b>	<b>Total RG area :</b>	5174.53 sq. mt.
	<b>No of trees to be cut :</b>	Nil
	<b>Number of trees to be planted :</b>	435
	<b>List of proposed native trees :</b>	As shown below
	<b>Timeline for completion of plantation :</b>	At the time of completion of project

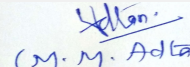
#### 44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Albizia lebbek	Shirish	21	Shady tree, yellowish green fragrant flowers, fast growing tree, soil moisture remains high under lebbek as it provides dense canopy.
2	Azadirachta indica	Neem	21	Large tree, fast-growing evergreen tree, drought resistance, Medicinal properties, good for roadside plantation
3	Ailanthus excelsa	Maharukh	17	Large tree, aromatic good for roadside plantation
4	Pongamia pinnata / Millettia pinnata	Karanj	7	It has large canopy which spreads equally wide, It has potential to grow in salt water soil, drought-tolerant.
5	Saraca indica	Sita Ashok	15	Shady evergreen tree with red-yellow flowers
6	Anthocephalus cadamba	Kadamb	23	It is a quick growing, large traffic like spreading branches, its fragment orange flowers attracts pollinators, it helps in improving physical and chemical properties of soil, Shady, large tree, ball shaped flowers. It acquires profitable medicinal and commercial properties.
7	Cassia Fistula	Bahava	24	Medium sized deciduous tree. Beautiful yellow flowers, it is relatively drought tolerant and slightly salt tolerant. It has medicinal properties, Butterfly host plant.
8	Mimusops elengi	Bakul	4	Shady medium-sized evergreen tree, small white fragrant flowers, Its timber is valuable, the fruit is edible, and it is used in traditional medicine.
9	Nyctanthes arbortristis	Parijat	55	Small deciduous fast growing tree or shrub, beautiful fragrant flowers, Its leaves and bark has medicinal properties.

  
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10	Lagerstroemia flos-regineae	Tamhan	20	State flower tree of Maharashtra Medium sized tree, beautiful purple flowers, it has medicinal properties, and wood is commercially used. Helps to control soil erosion
11	Murraya paniculata	Kunti	60	Small tropical, evergreen tree, Fragrant white flowers, planted as ornamental tree, it has potential of medicinal properties, family tree for bees, Butterfly host plant
12	Gmelina arborea	Shivan	19	Fast growing tree with beautiful yellow flowers, its timber is used in constructions, furniture, carriages, sports, musical instruments and artificial limbs. Its root, bark and fruit have medicinal properties.
13	Bauhinia racemosa	Apta	10	Small tree with small white flowers, leaves, Butterfly host plant
14	Caryota urens	Fish Tail palm	15	Solitary-trunked tall evergreen tree. Pulp of the fully grown up plant is cut, sun dried, powdered and is edible. Ornamental plant.
15	Michelia champaca	Sonchafa	13	Medium sized evergreen tree, strongly fragrant yellow flowers used in perfume industry, Butterfly host plant
16	Putranjiva roxburghii	Putrajiva	8	Medium sized evergreen tree, Its bark, leaves and fruit has medicinal properties.
17	Citrus sp.	Lemon	77	Small evergreen tree, Fruit is edible, Butterfly host plant
18	Dillenia indica	Elephant apple tree	18	It is an evergreen large shrub or small to medium-sized tree growing to 15 m tall. Fruit pulp is bitter-sour and used in Indian cuisine in curries, jam and jellies. It is extensively used in Dal and in fish preparations in Assam.
19	Millingtonia hortensis	Indian cork tree	8	It grows upto 18 to 25 m high and leaves up to 40 years. It grows well in various soil types. White pleasant fragrant flowers. Birds fed on its fruit.

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

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

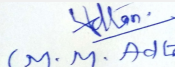
Serial Number	Name	C/C Distance	Area m2
1	--	--	--

**47.Energy**

  
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<b>Power requirement:</b>	<b>Source of power supply :</b>	Maharashtra State Electricity Distribution Company Limited (MSEDCL)
	<b>During Construction Phase: (Demand Load)</b>	150 KW
	<b>DG set as Power back-up during construction phase</b>	As per requirement
	<b>During Operation phase (Connected load):</b>	13942 KW
	<b>During Operation phase (Demand load):</b>	8604 KW
	<b>Transformer:</b>	4 nos. of 1000 kVA
	<b>DG set as Power back-up during operation phase:</b>	1x500 kVA, 1x225 kVA, 1x750 kVA and 1x910 kVA
	<b>Fuel used:</b>	Diesel
	<b>Details of high tension line passing through the plot if any:</b>	NA

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

LED lights instead of conventional CFL/T5 lamps  
 High Efficiency motors with BEE 5 stars rated  
 All water pump motors with high efficiency power  
 Use of star rated Geyser  
 Fluorescent light fixtures on solar system  
 Solar panels for street lighting

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

Serial Number	Energy Conservation Measures	Saving %
1	Overall energy saving	21%

#### 50. Details of pollution control Systems


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

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs. 27.30 Lacs
	<b>O &amp; M cost:</b>	Rs. 0.42 Lacs/annum

### 51. Environmental Management plan Budgetary Allocation

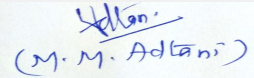
#### a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water for Dust Suppression	9.00
2	Air Environment	Air and Noise Monitoring: On site Sensors	12.5

  
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3	Air Environment	Air and Noise Monitoring: By outside MoEF & CC Approved Laboratory	1.10
4	Water Environment	Drinking water analysis	0.90
5	Land Environment	Site Sanitation	5.00
6	Health & Hygiene	Disinfection- Pest Control	6.00
7	Health & Hygiene	Health Check-up of workers	22.50
8	Cost towards Disaster Management	--	1770.30

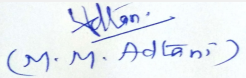
**b) Operation Phase (with Break-up):**

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	AIR & NOISE ENVIRONMENT - Ambient Air quality & Noise Monitoring:	On site sensors	No set up cost is involved as already considered Construction Phase	0.50
2	AIR & NOISE ENVIRONMENT - Ambient Air quality & Noise Monitoring:	By outside MoEF & CC Approved Laboratory	No set up cost is involved	0.22
3	AIR & NOISE ENVIRONMENT - Cost for DG Stack Exhaust Monitoring	4 nos. of stacks	No set up cost is involved	0.19
4	AIR & NOISE ENVIRONMENT - Cost for Plantation	5174.53 Sq.mt. of RG area on ground	28.46	1.20
5	WATER ENVIRONMENT - Waste water treatment	Cost for sewage Treatment Plant	217.90	30.61
6	WATER ENVIRONMENT - Cost for water & waste water Monitoring	On site sensors	18.00	1.00
7	WATER ENVIRONMENT - Cost for water & waste water Monitoring	By outside MoEF & CC Approved Laboratory	No set up cost is involved	0.027
8	WATER ENVIRONMENT - Water Conservation (Rain Water Harvesting System)	Cost for RWH tanks	8.50	0.43
9	WATER ENVIRONMENT - Water Conservation (Rain Water Harvesting System)	Cost for treatment unit for Rain Water collected in tanks	9.00	0.03

  
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10	WATER ENVIRONMENT - Water Conservation (Rain Water Harvesting System)	Cost for Rain water harvesting pits	1.20	0.06
11	WATER ENVIRONMENT - Water Conservation (Rain Water Harvesting System)	Cost for Rainwater Monitoring	No set up cost is involved	0.14
12	LAND ENVIRONMENT - Solid Waste Management	Cost for Treatment of biodegradable garbage in OWC	9.00	3.77
13	LAND ENVIRONMENT - Solid Waste Management	Environmental Monitoring	No set up cost is involved	0.08
14	ENERGY CONSERVATION - Use of renewable energy	Solar system	27.30	0.42
15	Cost towards disaster management	--	1590.95	36.16

### 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

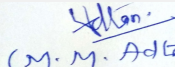
### 53.Traffic Management

Nos. of the junction to the main road & design of confluence:	1 no. of entry and exit
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Parking details:	Number and area of basement:	1 Basement for Building type D1, D2, D3 & D4 (Area: 5943.92 sq.mt.)
	Number and area of podia:	1 Podium for Building type D1, D2, D3 & D4 (Area: 6913.93 sq.mt.)
	Total Parking area:	19,177.79 Sq. mt.
	Area per car:	--
	Area per car:	--
	Number of 2-Wheelers as approved by competent authority:	1340 Nos.
	Number of 4-Wheelers as approved by competent authority:	603 Nos.
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	Min 6.0 mt.
CRZ/ RRZ clearance obtain, if any:	Not Applicable	
Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable	
Category as per schedule of EIA Notification sheet	8 (b) B2	
Court cases pending if any	No	
Other Relevant Informations	--	
Have you previously submitted Application online on MOEF Website.	Yes	
Date of online submission	29-10-2018	

## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorisred in brief information of Project as below.

### Brief information of the project by SEAC

### DECISION OF SEAC

***Not heard due to time constraint hence, the proposal is deferred and shall be considered in next meeting.***

Specific Conditions by SEAC:

### FINAL RECOMMENDATION

 <b>Mr. Surykant Nikam</b> (Secretary SEAC-II)	<b>SEAC Meeting No: 100 Meeting Date: May 20, 2019</b>	<b>Page 91</b> <b>of 137</b>	 <b>Shri M.M.Adtani (Chairman SEAC-II)</b>
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SEAC-II decided to defer the proposal. Kindly find SEAC decision above.

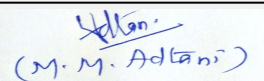
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## Agenda of 100th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

**SEAC Meeting number: 100 Meeting Date May 20, 2019**

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

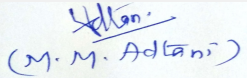
**Is a Violation Case:** No

<b>1.Name of Project</b>	Proposed S. R. Scheme on Plot bearing CTS No. 255, 255/1TO3, 259(PT) 259/1 TO 25 OF Village Bandivali, K/E At Caves Roads Jogeshwari (E) Mumbai -400060 by M/s. So Lucky Builders.
<b>2.Type of institution</b>	Private
<b>3.Name of Project Proponent</b>	M/s. So lucky Builders
<b>4.Name of Consultant</b>	Mr. H K Desai. Enviro Analysts and Engineers Pvt. Ltd. B 1003, Enviro House, 10th Floor, Western edge II Western Express Highway, Borivali (E) Mumbai 400066.
<b>5.Type of project</b>	S R Scheme (Residential, Commercial, Educational & Mercantile)
<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 bearing CTS No. 255, 255/1TO3, 259(PT) 259/1 TO 25 OF Village Bandivali, K/E At Caves Road, Jogeshwari (E) Mumbai -400060.
<b>9.Taluka</b>	Andheri
<b>10.Village</b>	Bandivali
<b>Correspondence Name:</b>	Mr. Deepak Patel
<b>Room Number:</b>	15
<b>Floor:</b>	NA
<b>Building Name:</b>	Amita CHS ltd Society No 30
<b>Road/Street Name:</b>	NA
<b>Locality:</b>	SVP Nagar, Mhada, Andheri W.
<b>City:</b>	Mumbai 400053.
<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/2280/KE/PVT/AP DATED- 13/04/2018 <b>Approved Built-up Area:</b> 19945.11
<b>13.Note on the initiated work (If applicable)</b>	Constructed FSI: 13701.97 sq m , Constructed Non FSI: 6131.80 sq m Total constructed BUA: 19833.77 sq m
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	Amended IOD Granted dated: 13-04-2018 Under No.: SRA/ENG/2280/KE/PVT/AP.
<b>15.Total Plot Area (sq. m.)</b>	5881.35 sq m
<b>16.Deductions</b>	For Setback / D. P Road: 885.62 sq m
<b>17.Net Plot area</b>	4995.73 sq m
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> 19956.81 sq m <b>b) Non FSI area (sq. m.):</b> 8490.78 sq m <b>c) Total BUA area (sq. m.):</b> 28447.59
<b>18 (b).Approved Built up area as per DCR</b>	<b>Approved FSI area (sq. m.):</b> 14283.09 sq m <b>Approved Non FSI area (sq. m.):</b> 5662.02 sq m <b>Date of Approval:</b> 13-04-2018
<b>19.Total ground coverage (m2)</b>	2715.05
<b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>	54.35
<b>21.Estimated cost of the project</b>	1750000000

  
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## 22.Number of buildings & its configuration

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

<b>23.Number of tenants and shops</b>	Rehab Tenants = 93 nos. Rehab Res. + Comm = 3 nos. Rehab Commercial = 33 nos. Balwadi - 1 Welfare center - 1, Society office - 1, Amenity - 1. Sale Commercial =261 nos. School = 19 nos. Class Rooms
<b>24.Number of expected residents / users</b>	Total: 2552 nos. Rehab Residential: 486 nos. Sale Commercial: 1362 nos. School & Market: 704 nos.
<b>25.Tenant density per hectare</b>	969
<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>	13.40 m wide D. P. Road and 6.00 M wide Internal Municipal Market Road Maintained by MCGM
<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>	Rehab Wing A & B - Part basement + Ground + 16 floors is constructed and part occupied Sale Wing C, D- Basement + ground + 8 floors is constructed.
<b>30.Details of the demolition with disposal (If applicable)</b>	Demolition waste of remaining slums will be managed as per Construction and Demolition Waste Management Rules 2016


## 31.Production Details

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

## 32.Total Water Requirement

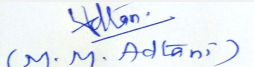
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Dry season:	Source of water	MCGM and Recycled water							
	Fresh water (CMD):	78 KLD							
	Recycled water - Flushing (CMD):	71 KLD							
	Recycled water - Gardening (CMD):	2 KLD							
	Swimming pool make up (Cum):	NA							
	Total Water Requirement (CMD) :	151 KLD							
	Fire fighting - Underground water tank(CMD):	350 KLD							
	Fire fighting - Overhead water tank(CMD):	55 KLD							
	Excess treated water	52 KLD							
Wet season:	Source of water	MCGM, Recycled water and RWH							
	Fresh water (CMD):	78 KLD							
	Recycled water - Flushing (CMD):	71 KLD							
	Recycled water - Gardening (CMD):	NA							
	Swimming pool make up (Cum):	NA							
	Total Water Requirement (CMD) :	149 KLD							
	Fire fighting - Underground water tank(CMD):	350 KLD							
	Fire fighting - Overhead water tank(CMD):	55 KLD							
	Excess treated water	50 KLD							
Details of Swimming pool (If any)	NA								
<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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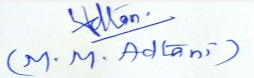
  
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<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	4 m
	<b>Size and no of RWH tank(s) and Quantity:</b>	Rehab: 25 cum & 1 no. Sale: 65 cum & 1 no.
	<b>Location of the RWH tank(s):</b>	Basement
	<b>Quantity of recharge pits:</b>	NA
	<b>Size of recharge pits :</b>	NA
	<b>Budgetary allocation (Capital cost) :</b>	Rs. 7 lakh
	<b>Budgetary allocation (O &amp; M cost) :</b>	Rs. 1 lakh
	<b>Details of UGT tanks if any :</b>	Rehab + School: 1 no. Sale: 1 no.
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	As per the natural slope of the site.
	<b>Quantity of storm water:</b>	0.117 m <sup>3</sup> / sec
	<b>Size of SWD:</b>	0.6 m x 0.3 m
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	138 KLD
	<b>STP technology:</b>	MBBR
	<b>Capacity of STP (CMD):</b>	150 KLD
	<b>Location &amp; area of the STP:</b>	Underground (Basement 1)
	<b>Budgetary allocation (Capital cost):</b>	Rs. 22 lakhs
	<b>Budgetary allocation (O &amp; M cost):</b>	Rs. 5 lakhs
<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>	1052 kg /day
	<b>Wet waste:</b>	972 kg / day
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	6.5 kg
	<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>	Below ground (basement 1)
	<b>Area for the storage of waste &amp; other material:</b>	58 sq m
	<b>Area for machinery:</b>	10 sq m
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs. 14 lakhs
	<b>O &amp; M cost:</b>	Rs. 4 lakhs

### 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

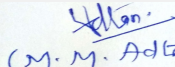
### 40. Details of Fuel to be used

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>	452. 70 sq m
	<b>No of trees to be cut :</b>	NIL
	<b>Number of trees to be planted :</b>	52 nos.
	<b>List of proposed native trees :</b>	As given below
	<b>Timeline for completion of plantation :</b>	Before operation of the project.


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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Ficus Benghalensis	Wad	1	tropical and flowering
2	Ficus religiosa	Pimpal	1	Tropical
3	Ficus glomerata	Umbar	1	tropical and flowering
4	Bahunia racemosa	Kancahan	1	Flowering
5	Anthocephalus cadamba	Kadamba	1	Flowering
6	Adenanthera lavana	Gunj	1	Flowering
7	Butea monospema	Palas	2	Tropical
8	Azadirachta indica	Neem	1	tropical and MEDICINAL
9	Santanea mahaguni	Mhaguni	2	Flowering
10	Mimosa pudica	Mohua	1	Flowering
11	Cassia fistula	Bhava	1	Flowering
12	Tournefortia glandulosa	Sag	1	Tropical hardwood
13	Terminalia arjuna	Arjun	1	Flowering
14	Anacardium occidentale	Ain	1	Tropical
15	Terminalia paniculata	Kinjil	1	Tropical
16	Saraca indica	Seeta Ashoka	1	Rain forest tree
17	Collophorum inophyllum	Undal	1	Evergreen
18	Mesua ferrea	Naag keshar	1	Evergreen flowering
19	Magnolia champaka	Champaka	1	Evergreen flowering
20	Evergreen flowering	Shivan	1	Deciduous tree
21	Albizia lebbek	Shirish	2	tropical
22	Pongamia glabra	Karanj	2	tropical
23	Mimosa pudica	Bakul	1	Evergreen flowering
24	Aegle marmelos	Bael	1	Flowering
25	Lagerströmia speciosa	Taman	2	Flowering
26	Terminalia bellarica	Hirda	1	Deciduous tree
27	Terminalia chibuta	behda	1	Deciduous tree
28	Cocos nucifera	Coconut	1	Flowering
29	Phyllanthus emblica	Aavala	1	Flowering
30	Acacia catechu	Khair	1	Deciduous tree

  
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31	Oraxylum indium	Tetu	1	Flowering
32	Nyctanthus odoritissimus	Parijatak	1	Flowering
33	Putranjeva roxburjii	putranjeeva	1	Evergreen
34	Sterculea foetida	Jangali Badam	1	Flowering
35	Sapindus lorifolea	Beeba	1	Medicinal
36	Thivetea neribolea	Thivetiea	2	Flowering
37	Sapindus trifoliatus	Ritha	1	Medicinal
38	Santalum album	Chandan	2	Medicinal
39	Careyanarbore	Kumbha	2	Tropical
40	Plumeric alba	Chafa	1	Flowering
41	Phoenix dacylflora	Khajur	2	Flowering
42	Caryota albertii	Fish tail palm	2	Tropical
43	Total	-	52	-

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

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

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

**47.Energy**

<b>Power requirement:</b>	<b>Source of power supply :</b>	Reliance / TATA Power
	<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>	2013 kW
	<b>During Operation phase (Demand load):</b>	1209 k W
	<b>Transformer:</b>	NA
	<b>DG set as Power back-up during operation phase:</b>	1 x 125 KVA, 1 x 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:**

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

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

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

### 50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 35 lakhs
	O & M cost:	Rs. 1 lakh

### 51.Environmental Management plan Budgetary Allocation

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


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

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

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

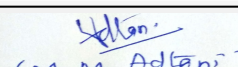
### 51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)

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
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Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
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### 52.Any Other Information

No Information Available

### 53.Traffic Management

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

## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorisred in brief information of Project as below.

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**Brief information of the project by SEAC**

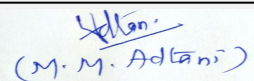
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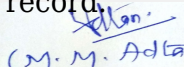
Representative of PP was present during the meeting along with environmental consultant M/s. Enviro Analysts and Engineers Pvt. Ltd.

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

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

It is noted that the project earlier considered in 93rd SEAC-2 meeting held on 26-03-2019 & deferred with observations namely 1) to submit the chronology of project. 2) to submit copy of LOI. 3) to submit an explanatory note regarding non submission of the compliance with respect to the 37th meeting till now and without compliance how total 19,833.77 Sq.mt construction is already carried out, especially also when his earlier application seeking EC was for more than 20,000 Sq.mt. 4) to submit copy of DCR issued from time to time regarding construction of school land on which school reservation is shown. 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:

- 1) PP to submit copy of plan sanctioned by Planning Authority in 2015 against which he has already constructed total BUA 19883.77 sq.m. without following up his application for grant of EC then. He to also submit copy of DCR/ letter from planning authority stating that he was not allowed to construct school and market reservation then
- 2) PP to submit the dated Architect certificate addressed to committee regarding building-wise configuration approved as per local body, construction (FSI,Non-FSI) done on site.
- 3) As requested by PP, PP to correct the online CS with respect to total built up area.
- 4) PP to submit & upload the copy of acknowledgement for plan submitted to local planning authority along with the copy of approval from local planning authority regarding construction of school & Market.
- 5) It is noted that shops will be accommodated adjoining to the school. PP to ensure that school should not be affected by shops. PP to submit the proposed measure to be carried out for the same.
- 6) Local planning authority to ensure the structural stability of building for which vertical expansion is proposed before granting CC.
- 7) PP to provide the vertical fire fighting equipment/ measures for the North-south side of the project & also submit the same.
- 8) PP to submit the CFO NoC.

## FINAL RECOMMENDATION

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

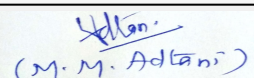
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## Agenda of 100th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

**SEAC Meeting number: 100 Meeting Date May 20, 2019**

**Subject:** Environment Clearance for Proposed SRA project at Daulat Nagar at. F.P. NO.5(PT),6,7(PT),8 TO 15,16B(PT),107-109,18-19/28,30,31 TO 33,18-19/34- A,B,C,D,18-19/35-A,B,C,D,18-19/82,18-19/83(PT),18-19/88 TO 94,18-19/95 TO 99,18-19/100,18-19/102,18-19/104(PT),18-19/106,18-19/107,20-A(PT),B(PT),C(PT),D(PT),of TPS-VI and F.P. Nos 85B/2,86 &89 OF TPS-II at village Vile Parle(W) at Santacruz (West), Mumbai known as "Daulat Nagar".

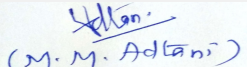
**Is a Violation Case:** No

<b>1.Name of Project</b>	Proposed SRA Project at Daulat Nagar
<b>2.Type of institution</b>	Private
<b>3.Name of Project Proponent</b>	M/s. HDIL & Pioneer India Developers Pvt. Ltd
<b>4.Name of Consultant</b>	M/s. Enviro Analysts & Engineers Pvt. Ltd
<b>5.Type of project</b>	Proposed SRA project MCGM DCR 33(10).
<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>	F.P. NO.5(PT),6,7(PT),8 TO 15,16B(PT),107-109,18-19/28,30,31 TO 33,18-19/34-A,B,C,D,18-19/35-A,B,C,D,18-19/82,18-19/83(PT),18-19/88 TO 94,18-19/95 TO 99,18-19/100,18-19/102,18-19/104(PT),18-19/106,18-19/107,20-A(PT),B(PT),C(PT),D(PT),of TPS-VI and F.P. Nos 85B/2,86 &89 OF TPS-II at village Vile Parle(W) at Santacruz (West), Mumbai known as "Daulat Nagar"
<b>9.Taluka</b>	Santacruz
<b>10.Village</b>	Santacruz
<b>Correspondence Name:</b>	M/s. HDIL & Pioneer India Developers Pvt. Ltd
<b>Room Number:</b>	9-01 HDIL towers
<b>Floor:</b>	9th
<b>Building Name:</b>	HDIL towers
<b>Road/Street Name:</b>	Ananat Kanekar Marg, Station Road Bandra (E), Mumba
<b>Locality:</b>	Ananat Kanekar Marg, Station Road Bandra (E), Mumba
<b>City:</b>	Mumbai
<b>11.Area of the project</b>	MCGM (Municipal Corporation of Greater Mumbai)
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	Layout approval received dated SRA dated 09.05.2002 <b>IOD/IOA/Concession/Plan Approval Number:</b> LOI received dated SRA/ENG/498/HW/STGL/LOI dated 12.12.12 <b>Approved Built-up Area:</b> 201346.69
<b>13.Note on the initiated work (If applicable)</b>	3 nos of Buildings are constructed on plot D and I as per approvals received (Plot D-01,02, PLOT I=SI) having construction area 16110.42 sqm
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	LOI received dated SRA/ENG/498/HW/STGL/LOI dated 12.12.12
<b>15.Total Plot Area (sq. m.)</b>	1,06,546.56 sqm
<b>16.Deductions</b>	Area not in possession-5925.5 sqm 6, D. P. Road-25,878.31 sqm & other reservation- 10,467.40 Total- 42271.27 sqm
<b>17.Net Plot area</b>	64,275.29 sqm
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> 81,777.71 <b>b) Non FSI area (sq. m.):</b> 37,769.49 <b>c) Total BUA area (sq. m.):</b> 119547
<b>18 (b).Approved Built up area as per DCR</b>	<b>Approved FSI area (sq. m.):</b> 201346.69 <b>Approved Non FSI area (sq. m.):</b> -- <b>Date of Approval:</b> 12-12-2012
<b>19.Total ground coverage (m2)</b>	27765.92

  
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20. Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	46%
21. Estimated cost of the project	1520000000

## 22. Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Plot C	C1, C2, C3, C4= G+7th Floors	22.80
2	Plot D	1D = 2 B + Semi basement + LG+ G+ Upper 5th Floors, school = B + G + 5th Floors D1 & D 2=GR.+7th Floors	24.10, 24.05, 24.10
3	Plot E	1E= 2 B + G+ Upper 8th Floors	27.40
4	Plot F	F1= 2 B + G+ Upper 8th Floors	27.50
5	Plot I	S1=B + G.+7th Floors	26.33
6	Plot N	N1,N2,N3,N4 = S + 7th Floors, N - B + G+ Upper 6Th Floors	27.75

23. Number of tenants and shops	Plot C= residential- 525 nos + commercial- 11nos Plot D= residential- 198 nos + commercial- 445 nos + 18 nos Plot E= residential- 38 nos + commercial- 11nos Plot F= residential- 64 nos + commercial- 1nos Plot I= residential- 68 nos + commercial- 36nos Plot N= residential- 549 nos + commercial- 67 nos Total =residential- 1442 nos + commercial- 589 nos
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24. Number of expected residents / users	8652 nos
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25. Tenant density per hectare	375 Tenant /hectare
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26. Height of the building(s)	
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27. Right of way (Width of the road from the nearest fire station to the proposed building(s))	Access through existing 30.48 m wide relief road, 27.44 m wide linking road & 27.44 m wide SV road
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28. Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.00 m
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29. Existing structure (s) if any	There are slums to be demolished on site.
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30. Details of the demolition with disposal (If applicable)	Demolition will be done as per Construction and Demolition Waste Management rule 2016.
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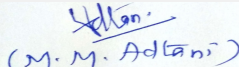
## 31. Production Details

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

  
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## 32.Total Water Requirement

<b>Dry season:</b>	<b>Source of water</b>	MCGM / treated water from STP
	<b>Fresh water (CMD):</b>	592 KLD
	<b>Recycled water - Flushing (CMD):</b>	352 KLD
	<b>Recycled water - Gardening (CMD):</b>	40 KLD
	<b>Swimming pool make up (Cum):</b>	-
	<b>Total Water Requirement (CMD) :</b>	984 KLD
	<b>Fire fighting - Underground water tank(CMD):</b>	760 cum
	<b>Fire fighting - Overhead water tank(CMD):</b>	30 Cum
	<b>Excess treated water</b>	403 KLD
<b>Wet season:</b>	<b>Source of water</b>	MCGM/ treated water from STP
	<b>Fresh water (CMD):</b>	592 KLD
	<b>Recycled water - Flushing (CMD):</b>	352 KLD
	<b>Recycled water - Gardening (CMD):</b>	0 KLD
	<b>Swimming pool make up (Cum):</b>	-
	<b>Total Water Requirement (CMD) :</b>	944 KLD
	<b>Fire fighting - Underground water tank(CMD):</b>	760 cum
	<b>Fire fighting - Overhead water tank(CMD):</b>	30 Cum
	<b>Excess treated water</b>	443 KLD
<b>Details of Swimming pool (If any)</b>	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

<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	1.2 m - 3.2 m bgl	
	<b>Size and no of RWH tank(s) and Quantity:</b>	Nil	
	<b>Location of the RWH tank(s):</b>	Nil	
	<b>Quantity of recharge pits:</b>	21 no's of Percolation Pits provided	
	<b>Size of recharge pits :</b>	Area of each Recharge pit= 4.9 sqm Depth of each Recharge pit= 4 m	
	<b>Budgetary allocation (Capital cost) :</b>	Rs 13.00 Lakhs	
	<b>Budgetary allocation (O &amp; M cost) :</b>	Rs 1.30 Lakhs /Annum	
	<b>Details of UGT tanks if any :</b>	Domestic Water Tank =592cum Flushing Water Tank =352cum Fire Water Tank =760 cum Location of tank = Ground & Basement	
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	East to West	
	<b>Quantity of storm water:</b>	0.55 cum/sec	
	<b>Size of SWD:</b>	0.45mX 0.56 m	
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	884 KLD	
	<b>STP technology:</b>	MBBR	
	<b>Capacity of STP (CMD):</b>	15 nos STP of total capacity 930 KLD ( C1-95,C2-85,C3-70,C4-50,1D-60,D1,D2-100, school-35, E1-30,F-50,N1-75,N2-75 N3-75,N4-70,N sale-10, , I- 50 in KLD)	
	<b>Location &amp; area of the STP:</b>	Ground and basement	
	<b>Budgetary allocation (Capital cost):</b>	Rs 220.00Lakhs	
	<b>Budgetary allocation (O &amp; M cost):</b>	Rs 35.00 lakhs /annum	
<b>36.Solid waste Management</b>			
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	Demolition waste, Excavated material ,Cement Bags ,Paint container (@20L) ,Scrap metal generated , Broken Tiles etc	
	<b>Disposal of the construction waste debris:</b>	Excavated material Shall be used entirely on site for backfilling and for internal roads,Cement Bags Empty bags to be handed over to recycler.Paint container (@20L) To be handed over to recycler, Scrap metal generated Entirely to be sold for recycling. Broken Tiles Waste tiles to be used for skirting. Broken pieces to be used for china mosaic waterproofing of terraces.	
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	1664 kg/day	
	<b>Wet waste:</b>	1998 kg/day	
	<b>Hazardous waste:</b>	NA	
	<b>Biomedical waste (If applicable):</b>	--	
	<b>STP Sludge (Dry sludge):</b>	40 kg/day	
	<b>Others if any:</b>	E- waste will be handed over to authorized MPCB dealers	
<b>Mr. Surykant Nikam (Secretary SEAC-II)</b>	<b>SEAC Meeting No: 100 Meeting Date: May 20, 2019</b>	<b>Page 108 of 137</b>	<b>Shri M.M.Antani (Chairman SEAC-II)</b>

<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>	--
	<b>STP Sludge (Dry sludge):</b>	To be used as a manure
	<b>Others if any:</b>	E- waste will be handed over to authorized MPCB dealers
<b>Area requirement:</b>	<b>Location(s):</b>	Ground
	<b>Area for the storage of waste &amp; other material:</b>	dedicated area for Segregation, curing and storage provided (141 sqm)
	<b>Area for machinery:</b>	3 sqm for each machine (6 nos of machine)
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs 50.00 Lakhs
	<b>O &amp; M cost:</b>	Rs 10.00 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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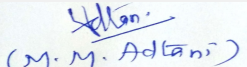
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42.Mode of Transportation of fuel to site		Not applicable		
<b>43.Green Belt Development</b>	<b>Total RG area :</b>	Layout RG- 5949.45 sqm		
	<b>No of trees to be cut :</b>	will be as per tree NOC		
	<b>Number of trees to be planted :</b>	500 Nos of trees. (There are existing 90 trees on site.)		
	<b>List of proposed native trees :</b>	same as below		
	<b>Timeline for completion of plantation :</b>	at the end of construction phase		
<b>44.Number and list of trees species to be planted in the ground</b>				
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	.	.	.	.
2	Delonix regia	Gulmohar	41	ornamental , shadey
3	Azadiracta indica	Neem	45	medicinal
4	Terminalia arjuna	Arjun tree	75	ornamental , shadey
5	Albizia lebeck	Shirish	68	ornamental , shadey
6	Saraca asoca	Ashoka	76	ornamental , shadey
7	Bauhinia purpurea	Gulabi kanchan	55	ornamental , shadey
8	Phyllanthus emblica	Awla	60	fruit bearing
9	Mangifera indica	Mango	36	fruit bearing
10	Michelia champaca	Sonchaffa	44	ornamental , shadey
<b>45.Total quantity of plants on ground</b>				
<b>46.Number and list of shrubs and bushes species to be planted in the podium RG:</b>				
Serial Number	Name	C/C Distance	Area m2	
1	NA	NA	NA	
<b>47.Energy</b>				

  
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<b>Power requirement:</b>	<b>Source of power supply :</b>	Adani Power/ TATA
	<b>During Construction Phase: (Demand Load)</b>	80kW
	<b>DG set as Power back-up during construction phase</b>	100kVA
	<b>During Operation phase (Connected load):</b>	16098 kW
	<b>During Operation phase (Demand load):</b>	3836 kW
	<b>Transformer:</b>	4 x 1000, 2 x 500, 1x400
	<b>DG set as Power back-up during operation phase:</b>	1D - 1x500 kVA , E1 - 1x160 kVA, F1 - 1x200 kVA, N- 1x180kVA, School - 1x80kVA, C-1x100kVA
	<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:

- Energy efficient LED's which give approx. 30% more light output for the same watts consumed and therefore require less nos. of fixtures
- Provision of solar panels for common area lighting
- Maintaining the power factor between 0.95 lag and 0.98 lag for common area loads.
- Maintaining lighting power density as per ECBC standard in common areas and recreation facility.
- Astronomical switching of outdoor lighting.
- Proposing use of VFD's (Variable Frequency Drive) for all motors used in lifts and use of high efficiency pumps for Plumbing, Firefighting system.

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

Serial Number	Energy Conservation Measures	Saving %
1	Overall Energy savings	11%
2	.	.

#### 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 75.00 lakhs
	<b>O &amp; M cost:</b>	Rs. 3.75 Lakhs

### 51. Environmental Management plan Budgetary Allocation

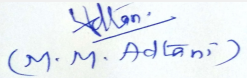
#### a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water Sprinkling, Green Belt Development, Covered storage area	5

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

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

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Rain Water Harvesting	Recharge pits	13.00	1.30
2	Solid waste management	OWC	50.00	10.0
3	Wastewater management	STP	220.00	35.00
4	energy savings	Solar + LED	75.00	3.75
5	Green belt	Landscaping	150.00	30.0

**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

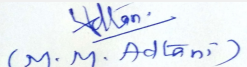
**53.Traffic Management**

Nos. of the junction to the main road & design of confluence:	Access through existing 30.48 m wide relife road, 27.44 m wide linking road & 27.44 m wide SV road
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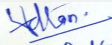


<b>Parking details:</b>	<b>Number and area of basement:</b>	Maximum 2 nos
	<b>Number and area of podia:</b>	Nil
	<b>Total Parking area:</b>	.
	<b>Area per car:</b>	32.00 sq.m
	<b>Area per car:</b>	32.00 sq.m
	<b>Number of 2-Wheelers as approved by competent authority:</b>	.
	<b>Number of 4-Wheelers as approved by competent authority:</b>	Plot C=83 nos + commercial -8 nos, Plot D =405 nos Plot E = 34nos Plot F= 102nos + commercial- 12nos, Plot N =102nos+ commercial- 54 nos PLot I-60 nos
	<b>Public Transport:</b>	--
	<b>Width of all Internal roads (m):</b>	6.00 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>	8(a) B2
	<b>Court cases pending if any</b>	NA
	<b>Other Relevant Informations</b>	23 buildings are excluded from environmental parameters and the same were constructed prior to EIA notification
	<b>Have you previously submitted Application online on MOEF Website.</b>	Yes
	<b>Date of online submission</b>	31-07-2018
<b>SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS</b>		
Summorisred in brief information of Project as below.		
<b>Brief information of the project by SEAC</b>		

  
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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 *SRA project under MCGM DCR 33(10)*.

PP stated that, the development is proposed in the plot area of 1,06,546.56 sqm. which consist of 18 Plots in the area of Daulat nagar (Santacruz West) viz A,A1,A2,A3,B,C,D,E,F,G,H,I,J,K,L,M,N,O. PP further stated that, out of 18 plots, there is a reservation **in 5 plots** ( 3 for BEST ie plot J,A2,A3 and 2 for garden ie plot G& L & 1 plot is kept in abeyance due to non-buildable (plot O).

PP stated that, Proposal under consideration is for obtaining EC for 16 buildings having FSI area of 81,777.71sqm and total construction area of 1,19,547.20 sqm. (Inclusive of 3 buildings constructed after 2006 i.e is **16,110.42 sqmts**)

*PP further stated that, the total plot area of the project is 1,06,546.56 Sq.mt. having total construction area 1,19,547 Sq.mt. (FSI - 81,777.71 sq.mt + NON FSI 37,769.49 sq.mt) and the building configuration is as follow-*

Building Name & number	Number of floors	Height (Mtrs)
Plot C	C1, C2, C3, C4= G+7th Floors	22.80
Plot D	1D =2 B +Semi basement + LG+ G+ Upper 5th Floors, school = B + G + 5th Floors D1 & D 2=GR.+7 <sup>th</sup> Floors	24.10, 24.05,24.10
Plot E	1E= 2 B + G+ Upper 8th Floors	27.40
Plot F	F1= 2 B + G+ Upper 8th Floors	27.50
Plot I	S1=B + G.+7th Floors	26.33
Plot N	N1,N2,N3,N4 = S + 7th Floors, N - B + G+ Upper 6Th Floors	27.75

It is noted that the project earlier considered in 62 (Part B), 72<sup>nd</sup>, 73<sup>rd</sup>, 86<sup>th</sup>, 92<sup>nd</sup> & 95th SEAC-2 Meeting held on 15/6/2018, 8/10/2018, 9/10/2018, 29/1/2019, 15/3/2019 & 08-04-2019 respectively.

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

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

### Specific Conditions by SEAC:

- 1) PP to upload the design & cross section of STPs indicating minimum 40% area open to sky for adequate ventilation.
- 2) PP to abide the all conditions laid down in sewer line, storm water drain NoC.
- 3) The PP to get NOC from competent authority with reference to Thane creek flamingo sanctuary if the project site falls within 10 Km radius from the said sanctuary boundary. The planning authority to ensure fulfilment of this condition before granting CC.
- 4) PP to submit CER prescribed by MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project. The specific activities to be undertake under CER to be get approved from collector/ local body of Environment Department.

## FINAL RECOMMENDATION

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

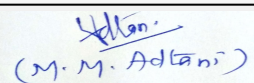
SEAC-AGENDA-0000000267



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**SEAC-II)**


## Agenda of 100th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

**SEAC Meeting number: 100 Meeting Date May 20, 2019**

**Subject:** Environment Clearance for Residential & Commercial Development at Chandivali, Andheri (E ) Mumbai

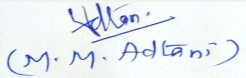
**Is a Violation Case:** Yes

<b>1.Name of Project</b>	Residential & Commercial Development at Chandivali, Andheri (E ) Mumbai
<b>2.Type of institution</b>	Private
<b>3.Name of Project Proponent</b>	M/s. Nahar Builders Ltd.
<b>4.Name of Consultant</b>	M/s. Ultra-Tech
<b>5.Type of project</b>	Residential & Commercial Development
<b>6.New project/expansion in existing project/modernization/diversification in existing project</b>	New application for EC for the buildings constructed on site which are in the purview of EIA Notification (Plinth completed after 7.7.2004)
<b>7.If expansion/diversification, whether environmental clearance has been obtained for existing project</b>	--
<b>8.Location of the project</b>	Plot bearing CTS No. 30A/1-14, 30A/1-16, 30A/2, 36A/8, 36-B,50-B, 52-B,53-B & 29V , 28A/3, 28-B, 29/L, 30-A/1-15,30-A/3, 50-C, 53-A/1-D, 53-C, 53-A/1-B, 1-C, 44-C, 1-D, 44-A, 45, 45/1 to 45/29 (pt), 50-A (pt), 51-A (pt), 52-A (pt), 48-F (pt), 49, 50-A (pt), 40 (pt), 4/2 to 4/59, 4/60, 4/61, 4-E, 20-B , 25/B/1, 26 A, 27 , 28A/1, 29 N , 50 A/6, 38 (pt), 50A/7, 52A/9, 42-D, 43 C/A(pt), 43 C/9 to 43 C/13, 43 C/32 to 43 C/37, 39-A , 14(pt), 36A/4, 50A/11, 52 A/3, 36A/9, 50A(pt), 52/A(pt), 50A/9 , 52A/6,36 A(Pt), 36A/10, 50A(pt), 52/A(pt) and 26-C Chandivali Farm Road, Chandivali, Andheri (E), Mumbai - 400072, Maharashtra. (These City survey numbers are for all 22 sectors as per approved layout. The present project is only for 11 sectors wherein work is commenced/completed)
<b>9.Taluka</b>	Andheri (E)
<b>10.Village</b>	Chandivali
<b>Correspondence Name:</b>	M/s. Nahar Builders Ltd.
<b>Room Number:</b>	B-1
<b>Floor:</b>	--
<b>Building Name:</b>	Mahalaxmi Chambers
<b>Road/Street Name:</b>	22, Bhulabhai Desai Road
<b>Locality:</b>	Mahalaxmi
<b>City:</b>	Mumbai-400 026
<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>	CE/360/BPES/LOL (layout approval number) <b>IOD/IOA/Concession/Plan Approval Number:</b> CE/360/BPES/LOL (layout approval number) <b>Approved Built-up Area:</b> 319556.91
<b>13.Note on the initiated work (If applicable)</b>	Detailed site history is given in Form 1.
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	--
<b>15.Total Plot Area (sq. m.)</b>	4, 85,232.67 Sq. mt. (for total layout).
<b>16.Deductions</b>	1,62,039.97 Sq. mt. (for total layout)
<b>17.Net Plot area</b>	3, 23,192.70 Sq. mt. (for total layout), Plot area of 11 Sectors (The Project before this Hon'ble Authority): 2, 07,290.02 Sq. mt.
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> Existing Buildings not under purview of EIA Notification, 1994 as amended in 2004 (Plinth completed before 07.07.2004): 48970.40 Sq. mt. And Buildings under purview of EIA Notification: 2,70,586.51 Sq. mt. <b>b) Non FSI area (sq. m.):</b> Existing Buildings not under purview of EIA Notification, 1994 as amended in 2004 (Plinth completed before 07.07.2004): 18221.09 Sq. mt. And Buildings under purview of EIA Notification: 2,47,937.00 Sq. mt. <b>c) Total BUA area (sq. m.):</b> 518523.31

  
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18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 319556.91
	Approved Non FSI area (sq. m.): 266158.09
	Date of Approval: 31-08-2016
19.Total ground coverage (m2)	Existing Buildings not under purview of EIA Notification: 9070.69 Sq.mt. Buildings under purview of EIA Notification: 23833.52 Sq. mt. Total Ground coverage: 32904.21 Sq. mt. (10 %)
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	10 %
21.Estimated cost of the project	17495000000

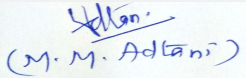
## 22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Existing Buildings not under purview of EIA Notification, 1994 as amended in 2004 (Plinth completed before 07.07.2004)	--	--
2	Sector R2: Building R-2/1, R-2/2 and R-2/3	Stilt + 7 Floors	23.77 mt.
3	Sector R2: Building R-2/4 and R-2/5	Stilt + Podium + 14 Floors	48.15 mt.
4	Sector R3: Building R-3/1: Wing A to E	Stilt + 14 Floors	44.00 mt.
5	Sector R4: Building R-4/1	Plinth	17.98 mt.
6	Sector R5: Building R-5/A1 and R-5/A2	Ground + 3 Floors	15.10 mt.
7	Sector R5: Building R-5/A1 and R-5/A2	Ground + 3 Floors	15.10 mt.
8	Sector R6: Building R-6/1, R-6/2, R-6/3 and R-6/4	Ground	5.33 mt.
9	Sector R14: Building R-14/1 and R-14/2	Ground + 1 Floor	9.50 mt.
10	Existing Buildings under purview of EIA Notification, 1994, 2006 as amended (Plinth completed after 7.7.2004)	--	--
11	Sector R2: Building R-2/6, R-2/7, R-2/8, R-2/9 and R-2/10	Stilt + Podium + 14 Floors	44.95 mt.
12	Sector R3: Building R-3/F: Wing F	Stilt + 2 Podium + 14 Floors	44.00 mt.
13	Sector R3: School	2 Basements + Ground + 8 Floors	39.50 mt.
14	Sector R6: Building R-6/5	Ground	5.33 mt.
15	Sector R12: Building R-12/1	Stilt + Podium + 22 Floors	69.75 mt.
16	Sector R12: Building R-12/3 And R-12/4	Stilt + Podium + 22 Floors	69.25 mt.
17	Sector R12: Building R-12/6	Stilt + Podium + 22 Floors	69.66 mt.
18	Sector R12: Building R-12/2, R-12/5	Stilt + Podium + 21 Floors	68.80 mt.
19	Sector R12: Building R-12/7	Stilt + podium + 20 floors	69.80 mt.
20	Sector R12: Building R-12/9	Stilt + podium + 20 floors	69.40 mt.
21	Sector R12: Building 12/13	Stilt + 2 podium + 20 floors	67.40 mt.
22	Sector R12: Building R-12/8	Basement + Stilt + Podium + 18 Floors	67.35 mt.

  
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23	Sector R12: Building R-12/10	Basement + Stilt + Podium + 20 Floors	69.40 mt.
24	Sector R12: Building R-12/11	Basement + Stilt + Podium + 14 Floors	52.25 mt.
25	Sector R12: Temple	Ground + 1 Floor	15.95 mt.
26	Sector R14: Building R-14/3	Part Basement + G + 3 Podium+ 4-17 Upper Floors	60.60 mt.
27	Sector R18: Residential	Basement + Podium + 18 Floors	61.00 mt.
28	Sector R19: Demart	Basement + Ground + 4 Floors	22.80 mt.
29	Sector R20: Offices	Ground + 10 Floors	39.00 mt.
30	Sector R21: Diagnostic Center	Basement + Ground + 5 Floors	22.20 mt.

<b>23.Number of tenants and shops</b>	Existing Buildings not under purview of EIA Notification, 1994 as amended in 2004 (Plinth completed before 07.07.2004): Flats : 740 Nos, Shops : 66 Nos. Buildings under purview of EIA Notification : Flats : 3001 Nos, Shops: 48 Nos., Classrooms: 73 Nos, Dispensary, Offices , Diagnostic Center and Demart
<b>24.Number of expected residents / users</b>	Existing Buildings not under purview of EIA Notification, 1994 as amended in 2004 (Plinth completed before 07.07.2004): 3898 Nos. Buildings under purview of EIA Notification: 18221 Nos.
<b>25.Tenant density per hectare</b>	116/hector(Considering all the buildings of the plot)
<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>	Sectors in site are interconnected via 13.40 mt. wide D.P. Roads and 18.30 mt. wide D. P. Roads which are further connected to 27.45 mt. wide D.P. Road which connects to 45.75 mt. wide Jogeshwari Vikhroli Link 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 mt.
<b>29.Existing structure (s) if any</b>	Details given in Form 1 and 1 A
<b>30.Details of the demolition with disposal (If applicable)</b>	Not Applicable

### 31.Production Details

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


### 32.Total Water Requirement

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<b>Dry season:</b>	<b>Source of water</b>	From M.C.G.M./ Bore well/ Tankers/Treated sewage from STP
	<b>Fresh water (CMD):</b>	Buildings not under purview of EIA Notification: 512 (Domestic : 339+ Flushing : 173) and Buildings under purview of EIA Notification : 1700 ( Domestic of all bldgs : 1441 + Flushing of Some of the buildings of Sector R2, R3, R6, R14, R18, R19, R20, R21: 259)
	<b>Recycled water - Flushing (CMD):</b>	For Sector R12 Only : 484
	<b>Recycled water - Gardening (CMD):</b>	151
	<b>Swimming pool make up (Cum):</b>	Buildings under purview of EIA Notification: 14
	<b>Total Water Requirement (CMD) :</b>	Buildings not under purview of EIA Notification: 512 and Buildings under purview of EIA Notification: 2349
	<b>Fire fighting - Underground water tank(CMD):</b>	Details shall be submitted
	<b>Fire fighting - Overhead water tank(CMD):</b>	Details shall be submitted
	<b>Excess treated water</b>	Details shall be submitted
<b>Wet season:</b>	<b>Source of water</b>	From M.C.G.M./ Bore well/ Tankers/Treated sewage from STP
	<b>Fresh water (CMD):</b>	Buildings not under purview of EIA Notification: 512 (Domestic : 339+ Flushing : 173) and Buildings under purview of EIA Notification : 1700 ( Domestic of all bldgs : 1441 + Flushing of Some of the buildings of Sector R2, R3, R6, R14, R18, R19, R20, R21: 259)
	<b>Recycled water - Flushing (CMD):</b>	For Sector R12 Only : 484
	<b>Recycled water - Gardening (CMD):</b>	0
	<b>Swimming pool make up (Cum):</b>	Buildings under purview of EIA Notification: 14
	<b>Total Water Requirement (CMD) :</b>	Buildings not under purview of EIA Notification: 512 and Buildings under purview of EIA Notification: 2198
	<b>Fire fighting - Underground water tank(CMD):</b>	Details shall be submitted
	<b>Fire fighting - Overhead water tank(CMD):</b>	Details shall be submitted
	<b>Excess treated water</b>	Details shall be submitted
<b>Details of Swimming pool (If any)</b>	Details shall be submitted	


### 33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	--	--	--	--	--	--	--	--	--

  
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<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	1.5 mt. and 3.10 mt. below ground level	
	<b>Size and no of RWH tank(s) and Quantity:</b>	Details shall be submitted	
	<b>Location of the RWH tank(s):</b>	Details shall be submitted	
	<b>Quantity of recharge pits:</b>	Details shall be submitted	
	<b>Size of recharge pits :</b>	Details shall be submitted	
	<b>Budgetary allocation (Capital cost) :</b>	Details shall be submitted	
	<b>Budgetary allocation (O &amp; M cost) :</b>	Details shall be submitted	
	<b>Details of UGT tanks if any :</b>	Details shall be submitted	
<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 into the external SWD	
	<b>Quantity of storm water:</b>	Details shall be submitted	
	<b>Size of SWD:</b>	Details shall be submitted	
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	Buildings not under purview of EIA Notification: 444 KLD And Buildings under purview of EIA Notification: Some of the buildings of Sector: R2, R3, R6, R14, R18, R19, R20, R21: 637 KLD; Sector R12: 1258 KLD	
	<b>STP technology:</b>	MBBR (Moving Bed Bio Reactor)	
	<b>Capacity of STP (CMD):</b>	Buildings not under purview of EIA Notification: To sewer line; Buildings under purview of EIA Notification: Some of the buildings of Sector: R2, R3, R6, R14, R18, R19, R20, R21: To sewer line; Sector R12: STP of capacity of 1766 KL	
	<b>Location &amp; area of the STP:</b>	Basement	
	<b>Budgetary allocation (Capital cost):</b>	Details shall be submitted	
	<b>Budgetary allocation (O &amp; M cost):</b>	Details shall be submitted	
<b>36.Solid waste Management</b>			
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	Excavated material has been already disposed to the authorized sites with permission from M.C.G.M.	
	<b>Disposal of the construction waste debris:</b>	Construction waste material generated during construction of Building R12/13 and Temple shall be partly reused and remaining disposed to the authorized land fill site.	
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	Buildings not under purview of EIA Notification: 1011 kg/day And Buildings under purview of EIA Notification: 4244 kg/day	
	<b>Wet waste:</b>	Buildings not under purview of EIA Notification: 674 kg/day And Buildings under purview of EIA Notification: 2829 kg/day	
	<b>Hazardous waste:</b>	--	
	<b>Biomedical waste (If applicable):</b>	There is a dispensary & diagnostic center in Sector R18 & R21 respectively which generates small quantity of bio-medical waste	
	<b>STP Sludge (Dry sludge):</b>	From STP of Sector R12 only: 189 kg/day	
	<b>Others if any:</b>	E - waste: 30 Kg/month (For Offices in Sector R20 Only)	
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<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	To Authorized recyclers
	<b>Wet waste:</b>	Buildings not under purview of EIA Notification: To MCGM, Buildings under purview of EIA Notification- Some of the buildings of Sector: R2, R3, R6, R14, R18, R19, R20, R21 : To MCGM , Bio Waste Converter (BWC) (For Sector R 12 Only)
	<b>Hazardous waste:</b>	--
	<b>Biomedical waste (If applicable):</b>	Handling and disposal of waste as per Bio-Medical Waste Management Rules, 2016.
	<b>STP Sludge (Dry sludge):</b>	Use as manure
	<b>Others if any:</b>	E - waste: Storage of E - Waste in separate space within project site and subsequently handed over to authorize recyclers

<b>Area requirement:</b>	<b>Location(s):</b>	Details shall be submitted
	<b>Area for the storage of waste &amp; other material:</b>	Details shall be submitted
	<b>Area for machinery:</b>	Details shall be submitted

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Details shall be submitted
	<b>O &amp; M cost:</b>	Details shall be submitted

### 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	DG Sets	--	--	--	--	--


### 40. Details of Fuel to be used

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


  
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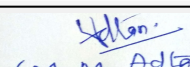
  
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41.Source of Fuel		--		
42.Mode of Transportation of fuel to site		--		
<b>43.Green Belt Development</b>	<b>Total RG area :</b>	RG on the ground (sq. m.): 15,446.68; RG on the podium (sq. m.): 35,962.35		
	<b>No of trees to be cut :</b>	Details shall be submitted		
	<b>Number of trees to be planted :</b>	Details shall be submitted		
	<b>List of proposed native trees :</b>	Details shall be submitted		
	<b>Timeline for completion of plantation :</b>	--		
<b>44.Number and list of trees species to be planted in the ground</b>				
<b>Serial Number</b>	<b>Name of the plant</b>	<b>Common Name</b>	<b>Quantity</b>	<b>Characteristics &amp; ecological importance</b>
1	Details shall be submitted	Details shall be submitted	Details shall be submitted	Details shall be submitted
<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>				
<b>Serial Number</b>	<b>Name</b>	<b>C/C Distance</b>	<b>Area m2</b>	
1	--	--	--	
<b>47.Energy</b>				
<b>Power requirement:</b>	<b>Source of power supply :</b>	TATA Power & Reliance Infrastructure		
	<b>During Construction Phase: (Demand Load)</b>	Details shall be submitted		
	<b>DG set as Power back-up during construction phase</b>	Details shall be submitted		
	<b>During Operation phase (Connected load):</b>	Details shall be submitted		
	<b>During Operation phase (Demand load):</b>	Details shall be submitted		
	<b>Transformer:</b>	Details shall be submitted		
	<b>DG set as Power back-up during operation phase:</b>	Details shall be submitted		
	<b>Fuel used:</b>	Diesel		
	<b>Details of high tension line passing through the plot if any:</b>	NA		
<b>48.Energy saving by non-conventional method:</b>				
Details shall be submitted				


  
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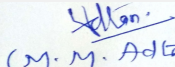
  
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49.Detail calculations & % of saving:							
Serial Number	Energy Conservation Measures	Saving %					
1	Details shall be submitted	Details shall be submitted					
50.Details of pollution control Systems							
Source	Existing pollution control system	Proposed to be installed					
--	--	--					
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Details shall be submitted					
	O & M cost:	Details shall be submitted					
51.Environmental Management plan Budgetary Allocation							
a) Construction phase (with Break-up):							
Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)				
1	Air Environment	Dust suppression	2.88				
2	Air Environment	Air and Noise quality: Sensors for Air quality & Noise level monitoring	11.00				
3	Air Environment	Air and Noise quality: By outside MoEF & CC Approved Laboratory	0.44				
4	Water Environment	Drinking water analysis	0.66				
5	Land Environment	Site Sanitation	5.00				
6	Health & Hygiene	Disinfection- Pest Control at site	2.40				
7	Health & Hygiene	Health-check-up of workers	3.60				
b) Operation Phase (with Break-up):							
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)			
1	Details shall be submitted	Details shall be submitted	Details shall be submitted	Details shall be submitted			
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							

  
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### 53. Traffic Management

	<b>Nos. of the junction to the main road &amp; design of confluence:</b>	Details shall be submitted
<b>Parking details:</b>	<b>Number and area of basement:</b>	Number of Basement : As mentioned in the proposal
	<b>Number and area of podia:</b>	Number of Podium : As mentioned in the proposal
	<b>Total Parking area:</b>	Details shall be submitted
	<b>Area per car:</b>	--
	<b>Area per car:</b>	--
	<b>Number of 2-Wheelers as approved by competent authority:</b>	--
	<b>Number of 4-Wheelers as approved by competent authority:</b>	Buildings not under purview of EIA Notification: 561 Nos. and Buildings under purview of EIA Notification: 4306 Nos.
	<b>Public Transport:</b>	Nil
	<b>Width of all Internal roads (m):</b>	Details shall be submitted
	<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>	Sanjay Gandhi National Park: Approx. 2.00 Km
	<b>Category as per schedule of EIA Notification sheet</b>	Category 8 (b)
	<b>Court cases pending if any</b>	Details are submitted in Form 1
	<b>Other Relevant Informations</b>	--
	<b>Have you previously submitted Application online on MOEF Website.</b>	Yes
	<b>Date of online submission</b>	16-08-2017

### 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 Mr. Mahesh Pradhan, Director was present during the meeting along with environmental consultant M/s. Ultra-Tech

It is noted that proposal under consideration is of Violation of EIA Notification 2006, as amended, defined in MOEF & CC notification dated 14<sup>th</sup> March 2017 & 8<sup>th</sup> March 2018.

PP stated that, the 15 buildings from Sector R2 (R-2/1, R-2/2, R-2/3, R-2/4, R-2/5), Sector R3 (R-3/1:Wing A to E) Sector R6 (R-6/1, R-6/2, R-6/3 and R-6/4) & Sector R14 (R-14/1 and R-14/2) and Sectors R4, R5 are the existing buildings which were not under purview of EIA Notification, 1994 as amended in 2004 as their Plinth completed before 07.07.2004. PP further stated that, 26 buildings of Sector R2, R3, R6, R14, R12, R18, R19, R20, R21 were under purview of EIA Notification, 1994 as amended in 2004 and / EIA Notification 2006 as amended. PP stated that, total construction is 5,18,523.31 Sq.mt. PP further stated that out of these 11 sectors, the constructions of buildings in 10 Sectors are completed and in 1 sector (i.e. R-12) partly completed. In R-12 total 11 buildings are completed; only one building and Temple is partly completed. PP stated that, total constructed built-up area on site till date is 506007.74 Sq.mt. PP informed that, they have also received Occupation certificate for the same.

PP informed that, the **Nature of Violation is as follow-**

1. Construction of 26 buildings comprising total built up 506007.74 Sq.mt. without any prior EC.

It is noted that the proposal was considered in 68<sup>th</sup> & 89<sup>th</sup> meeting held on 7/9/2018 & 20/2/2019 respectively and ToR & additional ToR in order to asses for the Environmental Damage and for Estimation of Remediation Costs for Building Construction Projects issued.

Accordingly, PP submitted the EIA, 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 (B1) category of EIA Notification, 2006. Consolidated statements, synopsis of compliances, form 1, 1A, presentation & plans submitted are taken on the record.

Damage assessment report specifying activities contributing to the environmental damage and degradation noted from the report and deliberated in detail during the meeting.

## DECISION OF SEAC

 Mr. Surykant Nikam (Secretary SEAC-II)	SEAC Meeting No: 100 Meeting Date: May 20, 2019	Page 125 of 137	 (M. M. Adtani) Shri M.M.Adtani (Chairman SEAC-II)
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**After detailed deliberation, considering total 506007.74Sq.mt construction already done without EC, committee decided to visit the proposed site, hence project is deferred.**


**Specific Conditions by SEAC:**

- 1) PP to submit the copy of final sanctioned layout.
- 2) PP to explore possibility of providing Bio-methanation plant instead of OWCs PP to provide requisite R.G. on mother earth in accordance with DCR read with Honorable Supreme Court's orders in this regard and submit calculations thereof along with copy of relevant DCR.
- 3) PP to submit the Signed copy of Damage assessment report & remediation plan and natural & community resource augmentation plan from accredited consultant.
- 4) PP to submit the SWD remark.
- 5) As stated, PP to submit the report of slope stabilisation of Garden prepared by IIT.
- 6) PP to submit the detail dated Architect certificate addressed to committee regarding buildings which are not in the purview of EIA Notification. and also Architect Certificate regarding buildings which are in the purview of EIA Notification. Also to mention the building wise area approved by local authority, actual constructed on site (configuration, FSI, NON-FSI, total built up area), Date of plinth CC, Date of OC & remarks.

**FINAL RECOMMENDATION**

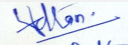
SEAC-II decided to defer the proposal. Kindly find SEAC decision above.

SEAC-AGENDA-000000020

  
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## Agenda of 100th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

**SEAC Meeting number: 100 Meeting Date May 20, 2019**

**Subject:** Environment Clearance for Proposed Redevelopment of Vartak Nagar Vikas Co. Op. HSG Society (Building No. 24) & Vartak Nagar Janakdevi Co. Op. HSG Society (Building No 31) Part of Housing Layout of Vartak Nagar on Plot bearing S. No. 206/3(Pt) to 7(Pt), 209/5(Pt), 7(Pt) & 10(Pt) at village Majiwade, Tal and Dist: Thane by Fortune Infracreators Pvt. Ltd.

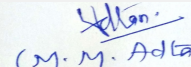
**Is a Violation Case:** No

<b>1.Name of Project</b>	Fortune Infracreators Pvt. Ltd.
<b>2.Type of institution</b>	Private
<b>3.Name of Project Proponent</b>	Fortune Infracreators Pvt. Ltd.
<b>4.Name of Consultant</b>	Mahabal Enviro Engineers Pvt. Ltd, Dr. D. A. Patil
<b>5.Type of project</b>	Housing Project
<b>6.New project/expansion in existing project/modernization/diversification in existing project</b>	Redevelopment of existing buildings in MAHADA layout.
<b>7.If expansion/diversification, whether environmental clearance has been obtained for existing project</b>	Not applicable
<b>8.Location of the project</b>	S. No.: 206/3(Pt) to 7(Pt), 209/5(Pt), 7(Pt) & 10(Pt) at village Majiwade, Tal and Dist: Thane, Maharashtra
<b>9.Taluka</b>	Thane
<b>10.Village</b>	Majiwade
<b>Correspondence Name:</b>	Fortune Infracreators Pvt. Ltd
<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> <b>Approved Built-up Area: 27783.05</b>
<b>13.Note on the initiated work (If applicable)</b>	No work started
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	MAHADA NOC for redevelopment received for Building No. 24 (Ref. No. CO/KB/AA/NOC/11016/2016, Dated 1-10-2016) and Building No. 31 (Ref. No. CO/KB/AA/NOC/11017/2016, Dated 1-10-2016)
<b>15.Total Plot Area (sq. m.)</b>	1961.02 m <sup>2</sup>
<b>16.Deductions</b>	58.67 m <sup>2</sup>
<b>17.Net Plot area</b>	1902.35 m <sup>2</sup>
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> 9910.58 m <sup>2</sup>
	<b>b) Non FSI area (sq. m.):</b> 17872.47 m <sup>2</sup>
	<b>c) Total BUA area (sq. m.):</b> 27783.05
<b>18 (b).Approved Built up area as per DCR</b>	<b>Approved FSI area (sq. m.):</b> 9910.58 m <sup>2</sup>
	<b>Approved Non FSI area (sq. m.):</b> 17872.47 m <sup>2</sup>
	<b>Date of Approval:</b> 01-10-2016
<b>19.Total ground coverage (m2)</b>	1148.02 m <sup>2</sup>
<b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>	58.5 %
<b>21.Estimated cost of the project</b>	897600000

  
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## 22. Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building No 1	Gr to 1st floor (Shops & Services) + 2nd to 10th (Podium Parking)+ 11th to 22nd (Residential) + Fire check floor + 23rd to 35th floor (Residential)	107.70
<b>23. Number of tenants and shops</b>	No of tenants: 240Nos. Shops: 30		
<b>24. Number of expected residents / users</b>	1290 Nos.		
<b>25. Tenant density per hectare</b>	1250/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>	The project site is accessed by 12.2 M Wide Road connected to 40 m wide Pokharan Road No.1		
<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		
<b>29. Existing structure (s) if any</b>	Building No. 24 & 31 are demolished as per Demolition permission received from TMC dated 25-05-2018		
<b>30. Details of the demolition with disposal (If applicable)</b>	Demolition quantity: 1270 cum Demolition waste has been disposed as per TMC guideline.		

## 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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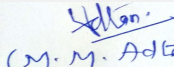


Dry season:	Source of water	TMC							
	Fresh water (CMD):	110							
	Recycled water - Flushing (CMD):	56							
	Recycled water - Gardening (CMD):	16							
	Swimming pool make up (Cum):	-							
	Total Water Requirement (CMD) :	166							
	Fire fighting - Underground water tank(CMD):	As per NBC							
	Fire fighting - Overhead water tank(CMD):	As per NBC							
	Excess treated water	4							
Wet season:	Source of water	TMC+RWH							
	Fresh water (CMD):	98							
	Recycled water - Flushing (CMD):	56							
	Recycled water - Gardening (CMD):	-							
	Swimming pool make up (Cum):	-							
	Total Water Requirement (CMD) :	166							
	Fire fighting - Underground water tank(CMD):	As per NBC							
	Fire fighting - Overhead water tank(CMD):	As per NBC							
	Excess treated water	20							
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>	Ground water table at depth of 3 to 4m	
	<b>Size and no of RWH tank(s) and Quantity:</b>	25 m3	
	<b>Location of the RWH tank(s):</b>	Underground	
	<b>Quantity of recharge pits:</b>	NA	
	<b>Size of recharge pits :</b>	NA	
	<b>Budgetary allocation (Capital cost) :</b>	6 lacs	
	<b>Budgetary allocation (O &amp; M cost) :</b>	0.3 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 East side	
	<b>Quantity of storm water:</b>	The storm water generation 235.32 m3/hr	
	<b>Size of SWD:</b>	250 mm x 350 mm wide internal SWD drains	
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	Sewage Generation:-77 KLD Grey water Generation:- 78 KLD	
	<b>STP technology:</b>	Sullage Treatment plant will be provided (The proposed redevelopment being carried for economically weaker section and hence to minimize the cost of operation of STP to the tenants it is proposed to connect the Sewage (Black water) to Sewerage system of TMC which is existing. There will be separate drainage lines for Black and Grey water. The grey water shall be treated in sullage treatment plant and the same will be recycled for flushing and gardening.)	
	<b>Capacity of STP (CMD):</b>	Capacity of Sullage treatment plant: 100 KLD	
	<b>Location &amp; area of the STP:</b>	Underground Area of Grey water Treatment plant: 65 m2	
	<b>Budgetary allocation (Capital cost):</b>	Rs 25 Lakh	
	<b>Budgetary allocation (O &amp; M cost):</b>	Rs. 6 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: 828 m3	
	<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>	247 kg/day	
	<b>Wet waste:</b>	371 kg/day	
	<b>Hazardous waste:</b>	NA	
	<b>Biomedical waste (If applicable):</b>	NA	
	<b>STP Sludge (Dry sludge):</b>	2 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>	Household E-Waste will be disposed to authorized vendors.
	<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>	40 m <sup>2</sup>
	<b>Area for machinery:</b>	17 m <sup>2</sup>
<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. 6 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

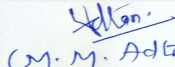
### 40. Details of Fuel to be used

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>	RG Area: 3116.52 m2
	<b>No of trees to be cut :</b>	Existing trees on site: 8 Nos. Trees to be cut/transplanted: 5 Nos.
	<b>Number of trees to be planted :</b>	25 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	4	As medicinal value, Bird and insect attractive.
2	LAGERSTROEMIA SPECIOSA	Tamhan	3	Edible, mature fruit as medicinal value, Bird and insect attractive.
3	MIMUSOP ELENGI	Bakul	4	As medicinal value, Bird and insect attractive.
4	PONGAMIA PINNATA	Karanj	3	Valued for its oil and insect repellent, having medicinal value.
5	SARACA INDICA	Sita Ashok	2	As medicinal value, Bird and insect attractive.
6	ANTHOCEPHALUS CADAMBA	Kadamba	4	Shady, large tree, ball shaped flowers.
7	BAUHINIA PURPUREA	Apta	5	Small tree with small white flowers, Butterfly host plant

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

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

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

#### 47.Energy

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<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	150 kVA
	<b>DG set as Power back-up during construction phase</b>	150 kVA
	<b>During Operation phase (Connected load):</b>	1248 KW
	<b>During Operation phase (Demand load):</b>	832 KW
	<b>Transformer:</b>	1 X 1000 kVA
	<b>DG set as Power back-up during operation phase:</b>	1X 500 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>	18%

#### 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. 9 Lakh
	<b>O &amp; M cost:</b>	Rs. 0.5 Lakh/year

### 51. Environmental Management plan Budgetary Allocation

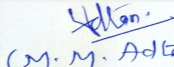
#### a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water spray for dust suppression	-	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)	-	25	6
2	Solar System	-	9	0.5
3	Rainwater harvesting	-	6	0.3
4	Solid Waste Composting plant	-	16	6
5	Landscape	-	31	3
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**

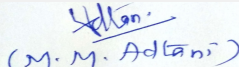
No Information Available

**53.Traffic Management**

  
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	<b>Nos. of the junction to the main road &amp; design of confluence:</b>	The project site is accessed by 12.2 M Wide Road connected to 40 m wide Pokharan Road No.1
<b>Parking details:</b>	<b>Number and area of basement:</b>	No Basement
	<b>Number and area of podia:</b>	Total 9 Nos of Podium parking with the total area of 9021.52 m2
	<b>Total Parking area:</b>	Total Parking 2-wheeler parking area = 1677.98 m2 Total Parking 4-wheeler parking area = 7343.54 m2
	<b>Area per car:</b>	28.5 m2
	<b>Area per car:</b>	28.5 m2
	<b>Number of 2-Wheelers as approved by competent authority:</b>	241 Nos
	<b>Number of 4-Wheelers as approved by competent authority:</b>	195 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>	Proposed project site is located at distance of 1 Km approx from the boundary of Sanjay Gandhi National Park. As per Eco Sensitive Zone notification of SGNP, published by MoEF & CC vide no. S. O. 3645 (E) dated 05.12.2016 our project site falls outside the ESZ area i.e. (100 m).
	<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

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

PP informed that, the project under consideration is *proposed redevelopment Housing of existing buildings in MHADA layout Project*. PP further stated that, the total plot area of the project is 1961.02 Sq.mt having total construction area 27783.05 Sq.mt.(FSI -9910.58 Sq. mt. + NON FSI- 17872.47 Sq. mt.) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Building No 1	Gr to 1st floor (Shops & Services)  + 2nd to 10th (Podium Parking)+  11th to 22nd (Residential) + Fire  check floor + 23rd to 35th floor  (Residential)	107.70

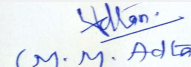
The project proposal was discussed on the basis of presentation made and documents submitted by the proponent. All issues related to environment, including air, water, land, soil, ecology and biodiversity and social aspects were discussed. Committee noted that the project is under 8a (B2) category of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

### DECISION OF SEAC

  
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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 submit the acknowledgement for plan submitted to the local planning authority.
- 2) It is noted that, building configuration mentioned in the CS & stated in PPT is different, PP to revise the CS accordingly.
- 3) PP to submit the certificate issued by TMC regarding dilapidated status of building.
- 4) PP to submit the copy of CFO NoC.
- 5) PP to submit the copy of HRC NoC.
- 6) Committee noted that STP for black water is proposed to be treated by local planning authority i.e TMC as per policy of TMC and grey water is treated by PP.
- 7) The PP to get NOC from competent authority with reference to Thane creek flamingo sanctuary if the project site falls within 10 Km radius from the said sanctuary boundary. The planning authority to ensure fulfilment of this condition before granting CC.
- 8) PP to submit CER 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.

**FINAL RECOMMENDATION**

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

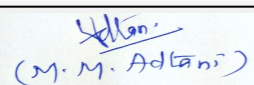
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