

## State Expert Appraisal Committee (SEAC-2)

**SEAC Meeting number: 58 (Day 1) Meeting Date April 5, 2018**

**Subject:** Environment Clearance for Proposed Redevelopment Of Worli BDD Chawl at CTS No. 1539 & 1540, Village Lower Parel, Worli, Mumbai 400018 (Phase I)


**Is a Violation Case:** No

### General Information:

1.Name of Project	Proposed Redevelopment Of Worli BDD Chawl at CTS No. 1539 & 1540, Village Lower Parel, Worli, Mumbai 400018 (Phase I)
2.Type of institution	Government
3.Name of Project Proponent	Mumbai House and Development Board (MHADA)
4.Name of Consultant	Fine Envirotech Engineers
5.Type of project	MHADA
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	CTS no. 1539 & 1540
9.Taluka	Mumbai
10.Village	Lower Parel
11.Area of the project	Municipal Corporation of Greater Mumbai
12.IOD/IOA/Concession/Plan Approval Number	Application has been made for IOD
	<b>IOD/IOA/Concession/Plan Approval Number:</b> Application has been made for IOD
	<b>Approved Built-up Area:</b> 139164.15
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.)	221424.81 sq.m.
16.Deductions	72659.58 sq.m.
17.Net Plot area	148765.26 sq.m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	<b>a) FSI area (sq. m.):</b> 1133515372 sq.m. Phase I 139164.15 sq.m.
	<b>b) Non FSI area (sq. m.):</b> 1233468.22 sq.m. (Phase I 92616.37)
	<b>c) Total BUA area (sq. m.):</b> 2366983.94 sq.m. Phase I 139164.15 sq.m.
18 (b).Approved Built up area as per DCR	<b>Approved FSI area (sq. m.):</b>
	<b>Approved Non FSI area (sq. m.):</b>
	<b>Date of Approval:</b>
19.Total ground coverage (m2)	122867.84 sq.m.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	82 % on net plot, 55% on Gross Plot
21.Estimated cost of the project	5120000000

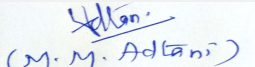
## 22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Sector 1- 2 bldg	3B+1GR+1P+22Flr	69 - 90
2	Sector 3- 3 bldg	3B+1GR+1P+22Flr	69 - 90
3	Transit - 6 bldg	G+7	69 - 90

  
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Member Secretary  
SEAC (MMR)  
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**Shri M.M.Adtani (Chairman SEAC-II)**


23.Number of tenants and shops	Sector 1 Residential 220+ Shop 13, Sector Residential 264+ Shop 18, Transit Camp Residential 720
24.Number of expected residents / users	Sector 1 - 1139, Sector 3 - 1374, Transit Camp- 3600
25.Tenant density per hectare	276
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	Minimum 18.30 m wide road to 27.45 m wide road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	Existing buildings are to be demolished
30.Details of the demolition with disposal (If applicable)	Demolition of existing building will be undertaken. Demolition waste generated will disposed to landfill as per approved debris management plan

### 31.Production Details

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

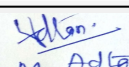
### 32.Total Water Requirement

Dry season:	Source of water	MCGM
	Fresh water (CMD):	Sector 1 - 99.78, Sector 3 - 119.88, Transit Camp - 32
	Recycled water - Flushing (CMD):	Sector 1 - 50.48, Sector 3 - 60.75, Transit Camp -162
	Recycled water - Gardening (CMD):	Sector 1 - 27.75, Sector 3 - 14.74, Transit Camp -0.75
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	Sector 1 - 150.26, Sector 3 - 180.63, Transit Camp - 48
	Fire fighting - Underground water tank(CMD):	Sector 1 - 300, Sector 3 - 1200, Transit Camp - 1200
	Fire fighting - Overhead water tank(CMD):	Sector 1 - 60, Sector 3 - 240, Transit Camp - 240
	Excess treated water	Sector 1 - 3.51, Sector 3 - 22.78, Transit Camp - 101.6


  
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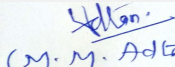
  
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<b>Wet season:</b>	<b>Source of water</b>	MCGM								
	<b>Fresh water (CMD):</b>	Sector 1 - 79.78, Sector 3 - 89.88, Transit Camp - 264								
	<b>Recycled water - Flushing (CMD):</b>	Sector 1 - 50.48, Sector 3 - 60.75, Transit Camp - 162								
	<b>Recycled water - Gardening (CMD):</b>	Sector 1 - 00, Sector 3 - 00, Transit Camp - 00								
	<b>Swimming pool make up (Cum):</b>	NA								
	<b>Total Water Requirement (CMD) :</b>	Sector 1 - 130.26, Sector 3 - 150.63, Transit Camp - 426								
	<b>Fire fighting - Underground water tank(CMD):</b>	Sector 1 - 00, Sector 3 - 00, Transit Camp - 00								
	<b>Fire fighting - Overhead water tank(CMD):</b>	Sector 1 - 00, Sector 3 - 00, Transit Camp - 00								
	<b>Excess treated water</b>	Sector 1 - 31.26, Sector 3 - 37.51, Transit Camp - 102.38								
<b>Details of Swimming pool (If any)</b>	NA									
<b>33.Details of Total water consumed</b>										
<b>Particulars</b>	<b>Consumption (CMD)</b>			<b>Loss (CMD)</b>			<b>Effluent (CMD)</b>			
<b>Water Requirement</b>	<b>Existing</b>	<b>Proposed</b>	<b>Total</b>	<b>Existing</b>	<b>Proposed</b>	<b>Total</b>	<b>Existing</b>	<b>Proposed</b>	<b>Total</b>	
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	

  
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<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	4 m
	<b>Size and no of RWH tank(s) and Quantity:</b>	Sector 1 - 2 No. x 4 mx 1.5 m x 2 m, Sector 3 - 3 No. x 4 mx 1.5 m x 2 m, Transit camp - 6No. x 4 mx 1.5 m x 2 m
	<b>Location of the RWH tank(s):</b>	Sector 1 - Podium, Sector 3 - Podium, Transit camp - Ground
	<b>Quantity of recharge pits:</b>	NA
	<b>Size of recharge pits :</b>	NA
	<b>Budgetary allocation (Capital cost) :</b>	Sector 1 - 4.32 Lakhs, Sector 3 - 6.48 Lakhs, Transit camp - 12.96 Lakhs
	<b>Budgetary allocation (O &amp; M cost) :</b>	Sector 1 - 0.65 Lakhs, Sector 3 - 0.97 Lakhs, Transit camp - 1.94 Lakhs
	<b>Details of UGT tanks if any :</b>	<p>Sector 1 Size of Domestic 3.35 M x 4.8 M x 3 M # 2 Nos Size of Flushing 7.5 M x 1.2 M x 3 M # 2 Nos</p> <p>Sector 3 Size of Domestic 3.35 M x 4.8 M x 3 M # 3 Nos Size of Flushing 7.5 M x 1.2 M x 3 M # 3 Nos</p> <p>Transit Camp Size of Domestic 3.35 M x 4.8 M x 3 M # 6 Nos Size of Flushing 7.5 M x 1.2 M x 3 M # 6 Nos</p>

<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	NA
	<b>Quantity of storm water:</b>	Sector 1-1424.88 cum/hr, Sector 3 - 854.57 cum/hr, Transit Camp - 115.13 cum/hr
	<b>Size of SWD:</b>	Sector 1- 600 Dia RCC Hume Pipe, Sector 3 - 600 Dia RCC Hume Pipe, Transit Camp - 600 Dia RCC Hume Pipe

<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	Sector 1-128, Sector 3 - 154, Transit Camp - 69
	<b>STP technology:</b>	MBBR
	<b>Capacity of STP (CMD):</b>	Sector 1- 1 Nos # 150 KLD , Sector 3 - 1 Nos # 150 KLD , Transit Camp - 2 Nos # 200 KLD
	<b>Location &amp; area of the STP:</b>	Sector 1- At Ground Level / Area 80 Sqmt , Sector 3 - At Ground Level / Area 100 Sqmt , Transit Camp - At Ground Level / Area 60 Sqmt
	<b>Budgetary allocation (Capital cost):</b>	Sector 1- 38.4 Lakhs , Sector 3 - 38.4 Lakhs, Transit Camp - 102.4 Lakhs
	<b>Budgetary allocation (O &amp; M cost):</b>	Sector 1- 3.84 Lakhs , Sector 3 - 3.84 Lakhs, Transit Camp - 10.4Lakhs

### 36.Solid waste Management

<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	In pre-construction phase, demolition waste generated, which is disposed to landfill as per approved debris management plan.
	<b>Disposal of the construction waste debris:</b>	Scrap material sold to authorised vendor.
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	Sector 1- 227.8 kg/day, Sector 3 - 274.8 kg/day, Transit Camp - 120 kg/day
	<b>Wet waste:</b>	Sector 1- 341.7 kg/day, Sector 3 - 412.2 kg/day, Transit Camp - 180 kg/day
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	Sector 1- 15.33 kg/day, Sector 3 - 18.42 kg/day, Transit Camp - 8.26 kg/day

<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Handed over to authorize recycler
	<b>Wet waste:</b>	Will be treated in OWC to get manure.
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	Will be used as manure
	<b>Others if any:</b>	NA
<b>Area requirement:</b>	<b>Location(s):</b>	Ground Level
	<b>Area for the storage of waste &amp; other material:</b>	Sector 1- 25 sq.m, Sector 3 - 40 sq.m, Transit Camp - 12 sq.m
	<b>Area for machinery:</b>	Sector 1- 40 sq.m, Sector 3 - 40 sq.m, Transit Camp - 25 sq.m
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Sector 1- 17.26 Lakhs , Sector 3 - 20.82 Lakhs, Transit Camp - 9.09 Lakhs
	<b>O &amp; M cost:</b>	Sector 1- 1.73 Lakhs , Sector 3 - 2.08 Lakhs, Transit Camp - 0.91 Lakhs

### 37.Effluent Charecterestics

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

### 38.Hazardous Waste Details


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

### 39.Stacks emission Details

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

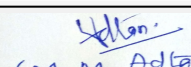
### 40.Details of Fuel to be used

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

  
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<b>43.Green Belt Development</b>	<b>Total RG area :</b>	Sector 1- 3700 sq.m., Sector 3 - 1965 sq.m., Transit Camp - 100 sq.m.
	<b>No of trees to be cut :</b>	6
	<b>Number of trees to be planted :</b>	Sector 1- 200., Sector 3 - 160, Transit Camp - NA
	<b>List of proposed native trees :</b>	Cassia fistula , Pongamia pinnata , Mimusops elengi , Azadiracta indica , Magnifera indica
	<b>Timeline for completion of plantation :</b>	Within one year of project implementation

#### 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	Sita Ashok	Saraca asoka	40	Shady tree with red-yellow flowers.
2	Bhava	Cassia fistula	40	Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plant
3	Karanj	Pongamia pinnata	40	Shady tree.
4	Bakul	Mimusops elengi	40	Shady tree, small white fragrant flowers
5	Neem	Azadiracta indica	40	Large tree, good for roadside plantation
6	Mango	Magnifera indica	40	Fruit bearing tree, Bird attracting
7	Kadam	Anthocephalus cadamba	40	Shady, large tree, ball shaped flowers
8	Apta	Bauhinia racemosa	40	Small tree with small white flowers, Butterfly host plant
9	Kunti	Murraya Paniculata	40	Small tree, Fragrant 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:

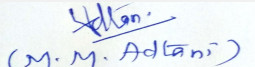
Serial Number	Name	C/C Distance	Area m2
1	--	--	--

#### 47.Energy

  
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<b>Power requirement:</b>	<b>Source of power supply :</b>	BEST
	<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>	Sector 1- 2836 kW., Sector 3 - 2827 kW, Transit Camp - 1506 kW
	<b>During Operation phase (Demand load):</b>	Sector 1- 1509 kW., Sector 3 - 1293 kW, Transit Camp - 815 kW
	<b>Transformer:</b>	Sector 1- 2 No. x 630 kVA, Sector 3 -2 No. x 630 kVA, Transit Camp - 2 No. x 500 kVA
	<b>DG set as Power back-up during operation phase:</b>	Sector 1- 2 No. x 750 kVA, Sector 3 -1 No. x 630 kVA & 1 No. 500 kVA, Transit Camp - 2 No. x 160 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 cells will be provided

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

Serial Number	Energy Conservation Measures	Saving %
1	Solar PV Cells Sector 1	200 Watt x 108 No. of panels
2	Solar PV Cells Sector 3	200 Watt x 91 No. of panels
3	Solar PV Cells Transit	200 Watt x 335 No. of panels

#### 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:	Sector 1- 26.93 Lakh., Sector 3 - 22.85 Lakh, Transit Camp - 83.79 Lakh
	O & M cost:	Sector 1- 2.69 Lakh., Sector 3 - 2.28 Lakh, Transit Camp - 8.38 Lakh

### 51. Environmental Management plan Budgetary Allocation

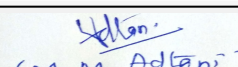
#### a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Site Safety	Barricading & Dust Suppression e	5
2	Environmental Monitoring	Air, Noise, Water, Biological	4
3	Sanitary Facility and Waste Water Management etc.	Sanitary Facility and Waste Water Management etc.	5

  
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<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	--	179.2	18.08
2	Environmental Monitoring	--	--	6
3	Rain Water Harvesting System	--	23.70	3.56
4	Solid Waste Management	--	47.17	4.72
5	Energy Saving Measures (Solar)	--	133.33	13.95
6	Green Belt Development	--	40	4
7	Occupational Health & Safety Training	--	--	5

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


<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

### **52.Any Other Information**

No Information Available

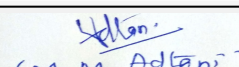
### **53.Traffic Management**

<b>Nos. of the junction to the main road &amp; design of confluence:</b>	Separate 5 entry and 5 exit points will be provided
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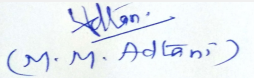


<b>Parking details:</b>	<b>Number and area of basement:</b>	3 Basement
	<b>Number and area of podia:</b>	1
	<b>Total Parking area:</b>	Sector 1- 37570.54 sq.m., Sector 3 - 24030.14 sq.m., Transit Camp - NA
	<b>Area per car:</b>	Sector 1- 35 sq.m., Sector 3 - 35 sq.m., Transit Camp - NA
	<b>Area per car:</b>	Sector 1- 35 sq.m., Sector 3 - 35 sq.m., Transit Camp - NA
	<b>Number of 2-Wheelers as approved by competent authority:</b>	Sector 1- 250., Sector 3 - 200, Transit Camp - NA
	<b>Number of 4-Wheelers as approved by competent authority:</b>	Sector 1- 914, Sector 3 - 645, Transit Camp - NA
	<b>Public Transport:</b>	NA
	<b>Width of all Internal roads (m):</b>	18.30 m and 9.0 m
	<b>CRZ/ RRZ clearance obtain, if any:</b>	Not Applicable
	<b>Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries</b>	Not Applicable
	<b>Category as per schedule of EIA Notification sheet</b>	8 (a)
	<b>Court cases pending if any</b>	NA
	<b>Other Relevant Informations</b>	NA
	<b>Have you previously submitted Application online on MOEF Website.</b>	No
	<b>Date of online submission</b>	-
<b>SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS</b>		
Not Available.		
<b>Brief information of the project by SEAC</b>		

  
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Representative of PP, Shri Subhash Lakhe from MHADA & Architect Mr Vivek Bhole were present during the meeting along with environmental consultant M/s Fine Envirotech Engineers. PP informed that project proposal has been submitted on 17<sup>th</sup> April, 2017.

PP informed that the total plot area is 2,21,424.81 sq.m., It was also informed that plot is naturally sub divided by DP road. Environmental infrastructure for all the phases on sub divided plots will be separate. Total construction area (FSI +Non FSI) proposed in this phase of the project is 1, 39,164.15 sq.m. comprising of 6 buildings for transit camp, 2 buildings in sector 1 and 3 buildings in sector 3.

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. PP stated that total plot area is 221424.81 m<sup>2</sup> & total construction area of the project (Phase- I) is 1,39,164.15 m<sup>2</sup>. Committee noted that the project submission is under 8a (B2) category of EIA Notification, 2006. Consolidated statements, form 1, 1A, presentation & plans submitted are taken on the record. PP confirmed to the committee that the proposed development is only for 1, 39,164.15 sq.m and all the environmental infrastructure for the proposed population will be provided separately for their development, if any, will be on subdivided plot and they will obtain prior permission under EIA following the due procedure under the notification.

## DECISION OF SEAC


**PP remained absent.**

### Specific Conditions by SEAC:

- 1) Temporary Transit camp should be in consonance with the DC rules.
- 2) Soil testing report of the project site should to be submitted by PP.
- 3) PP to submit approved layout Plan incorporating measures suggested by committee before going to authority.
- 4) It is observed that there is no access for fire engine from all sides in the central block. Fire-fighting plan should be amended to provide access to all flats. For the same, PP to provide ramp or provide access near to the proposed central garden/ court yard RG and submit revised plans.
- 5) It is noted that three basements are proposed. PP to provide basement ventilation, air purification system, and should be as per regulations and guidelines of NBC 2016.
- 6) PP to submit permissions from concerned local authority i.e MCGM regarding water requirement, drainage, storm water etc and upload on website.
- 7) PP to submit detailed solid waste Management and disposal plan.
- 8) PP to ensure that STP should be with Dual plumbing system and discharge standard for BOD should be 10 mg/lit and Suspended Solids should be 20 mg/l.
- 9) PP to achieve 10% energy savings through renewable component & submit revised energy calculations indicating the same comprising area under roof top PV panels, common area solar lighting, solar pumps for water & sewage pumping etc.
- 10) PP to upload the approved plans of the project/ plans submitted for approval to the local body, Disaster Management Plan, Environmental Management Plan, traffic study and other above said compliances etc on the website of ec.mpcb.in
- 11) PP, if applicable, to leave clear cut side margin of 6 m from the boundary of the plot and open space and non-paved RG area should be on ground as per the orders of Hon'ble Supreme Court (Civil Appeal No. 11150 of 2013 and SLP (Civil) No. 33402/2012) dated 17th December 2013.

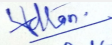
## FINAL RECOMMENDATION

SEAC-II decided to defer the proposal till PP submits the additional information as per above conditions within 30 days

  
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Member Secretary  
SEAC (MMR)  
**DR. B.N.Patil (Secretary  
SEAC-II)**

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

## State Expert Appraisal Committee (SEAC-2)

**SEAC Meeting number: 58 (Day 1) Meeting Date April 5, 2018**

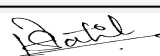
**Subject:** Environment Clearance for Proposed development of Residential project with shopline at S. No. 371B, H. No. 1, 2, 3, 4, 5, at Village: Juchandra, Tal.-Vasai, Dist.-Palghar. by Reliable Homemakers and Infrastructure Pvt. Ltd.

**Is a Violation Case:** No

1.Name of Project	Reliable Homemakers And Infrastructure Pvt. Ltd.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Quaidjohar Maqbulhussain Miyajiwala
4.Name of Consultant	Dr. D. A. Patil; Mahabal Enviro Engineers Pvt. Ltd.
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	Residential Project with Shop Line
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Residential Project with Shop Line
8.Location of the project	At S. No. 371B, H. No. 1, 2, 3, 4, 5, at Village: Juchandra, Tal.-Vasai, Dist.-Palghar.
9.Taluka	Vasai
10.Village	Juchandra
11.Area of the project	Vasai Virar city Municipal corporation (VVMC)
12.IOD/IOA/Concession/Plan Approval Number	RDP Order No. VVMC/TP/RDP/VP-0123/0148/2013-14. Dt. 10.07.2013
	<b>IOD/IOA/Concession/Plan Approval Number:</b> RDP Order No. VVMC/TP/RDP/VP-0123/0148/2013-14. Dt. 10.07.2013
	<b>Approved Built-up Area:</b> 15485.43
13.Note on the initiated work (If applicable)	Total Constructed Area: 19,684.30 m <sup>2</sup> [FSI Area: 13,750.33 m <sup>2</sup> + NON FSI Area: 5,933.97m <sup>2</sup> ] As per approved plan
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	RDP Order No. VVMC/TP/RDP/VP-0123/0148/2013-14. Dt. 10.07.2013
15.Total Plot Area (sq. m.)	20,160.00 m <sup>2</sup>
16.Deductions	6946.48 m <sup>2</sup>
17.Net Plot area	13,213.52 m <sup>2</sup>
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 23,015.13 m <sup>2</sup>
	b) Non FSI area (sq. m.): 18,389.58 m <sup>2</sup>
	c) Total BUA area (sq. m.): 41404.71
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.):
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m <sup>2</sup> )	2884.54
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	21.83%
21.Estimated cost of the project	710000000

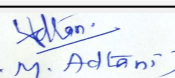
## 22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building No. 01 (A to G wing)	G+7th floors	23.80 m
2	Building No. 02 (H to M wing)	G+7th floors	23.80 m
3	Building No. 03 (A to C wing )	G+14th Floors	44.10 m
4	CFC Building	G+2nd floor	11.55 m

  
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23.Number of tenants and shops	Flats: 824 Nos., Shops: 6 Nos. Hall: 2 Nos.
24.Number of expected residents / users	4,210 Nos
25.Tenant density per hectare	417/ha
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	20.0 m wide DP Road.
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Min 9 m
29.Existing structure (s) if any	NA
30.Details of the demolition with disposal (If applicable)	NA

### 31.Production Details

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

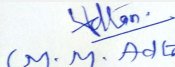
### 32.Total Water Requirement

Dry season:	Source of water	VVCMC
	Fresh water (CMD):	372 KLD
	Recycled water - Flushing (CMD):	188 KLD
	Recycled water - Gardening (CMD):	13 KLD
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	560 KLD
	Fire fighting - Underground water tank(CMD):	As per CFO NOC
	Fire fighting - Overhead water tank(CMD):	As per CFO NOC
	Excess treated water	316 KLD

  
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Wet season:	Source of water	VVCMC + RWH
	Fresh water (CMD):	301 + 71 KLD
	Recycled water - Flushing (CMD):	188 KLD
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	560 KLD
	Fire fighting - Underground water tank(CMD):	As per CFO NOC
	Fire fighting - Overhead water tank(CMD):	As per CFO NOC
	Excess treated water	330 KLD
Details of Swimming pool (If any)	NA	

### 33.Details of Total water consumed

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

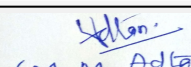
34.Rain Water Harvesting (RWH)	Level of the Ground water table:	3-4 m
	Size and no of RWH tank(s) and Quantity:	4 RWH tank with total capacity: 150 KLD
	Location of the RWH tank(s):	Below Ground
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	35 lakh
	Budgetary allocation (O & M cost) :	3.0 Lakh/year
	Details of UGT tanks if any :	Below Ground

35.Storm water drainage	Natural water drainage pattern:	Towards North side
	Quantity of storm water:	2,586.20 m <sup>3</sup> /hr
	Size of SWD:	450 mm X 850 mm vide

  
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<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	523 KLD
	<b>STP technology:</b>	STP Technology Oxidic Anoxic media Growth Treatment
	<b>Capacity of STP (CMD):</b>	550 KLD
	<b>Location &amp; area of the STP:</b>	Ground floor
	<b>Budgetary allocation (Capital cost):</b>	116 Lakh
	<b>Budgetary allocation (O &amp; M cost):</b>	22 Lakh/year

### 36.Solid waste Management

<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	Construction Debris: 1202 m <sup>3</sup>
	<b>Disposal of the construction waste debris:</b>	The construction debris will be utilized at site for Road Paving and plinth filling
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	831
	<b>Wet waste:</b>	1,247
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	5.0 m <sup>3</sup> /day
	<b>Others if any:</b>	NA
<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Dry garbage will be segregated & disposed off to recyclers.
	<b>Wet waste:</b>	Wet garbage will be composted using Mechanical Composting Technology and used as organic manure for landscaping.
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	Sludge use as manure for gardening
	<b>Others if any:</b>	NA
<b>Area requirement:</b>	<b>Location(s):</b>	Ground
	<b>Area for the storage of waste &amp; other material:</b>	50 m <sup>2</sup>
	<b>Area for machinery:</b>	50 m <sup>2</sup>
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	52 Lakh
	<b>O &amp; M cost:</b>	21 Lakh/Year

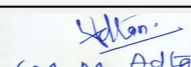
### 37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			

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

### 38.Hazardous Waste Details

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

### 39.Stacks emission Details

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

### 40.Details of Fuel to be used

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


41.Source of Fuel Not applicable

42.Mode of Transportation of fuel to site Not applicable

<b>43.Green Belt Development</b>	<b>Total RG area :</b>	Required RG: 2,642.70 m <sup>2</sup> , Provided: 2,680.08 m <sup>2</sup>
	<b>No of trees to be cut :</b>	Nil
	<b>Number of trees to be planted :</b>	Trees to be Planted: 252 Nos.
	<b>List of proposed native trees :</b>	As below
	<b>Timeline for completion of plantation :</b>	2 Years

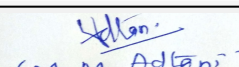
### 44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Lagerstromia Reginea	Taaman	30	Official state tree
2	Saraca indica	Sita Ashok	35	Hardly evergreen tree, grows well in warm climate
3	Butea Monosperma	Palash	22	Medium deciduous tree with bright flowers
4	Anthocephalus kadamba	Kadamb	10	Deciduous tree, large foliage & beautiful tree
5	Murraya exotica	Kunti	13	Small, evergreen tree, good for gardens

  
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6	Alstonia scholaris	Satvin	16	Shady, large evergreen tree, white fragrant flowers
7	Pongamia pinnata	Karanj	15	Shady tree
8	Albizia lebbeck	Shirij	31	Shady tree, yellowish green fragrant flowers
9	Erythrina Variegata	Coral Tree	7	Deciduous flowering tree, quick growing tree
10	Manilkara Zapota	Chicu	7	Fruit tree attracting birds
11	Syzygium Cumini	Jaamun Tree	8	Fruit tree attracting birds
12	Ailanthus excelsa	Maharukh	22	Large tree, good for roadside plantation
13	Cocos nucifera	coconut	36	Palm 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	Chitrak	-	-
2	Raphis Palm	-	-
3	Kunti	-	-
4	Wedelia	-	-
5	Kardal	-	-

**47.Energy**

<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	250 kVA
	<b>DG set as Power back-up during construction phase</b>	250 kVA
	<b>During Operation phase (Connected load):</b>	3.2 MW
	<b>During Operation phase (Demand load):</b>	1.8 MW
	<b>Transformer:</b>	-
	<b>DG set as Power back-up during operation phase:</b>	2 x 350 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:**



- Natural shading through elevation features to minimize heat gain and reduce air-conditioning requirement
- Solar lighting in garden and road
- Solar hot water for residential buildings
- Solar street lights will be proposed
- Energy efficient lighting fixtures (LED lights) to all buildings

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

Serial Number	Energy Conservation Measures	Saving %
1	Total Energy Savings	20.69%
2	Energy saving through renewable energy sources	16%

#### 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>	56 Lakh
	<b>O &amp; M cost:</b>	3 Lakh/year

#### 51.Environmental Management plan Budgetary Allocation

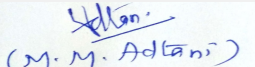
##### a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water spray for dust suppression	-	3
2	Site sanitation (Toilets)	-	4
3	Environmental Monitoring	(As per the CPCB guidelines through MoEF Approved laboratories - Ambient Air-RSPM, PM2.5, SO2, NOx, CO), Noise: Leg day time and Night Time)	4
4	Potable Water Supply to Labour Camp	-	3.5
5	Health check-up & first aid	-	3
6	Safety Personal Protective Equipment	(Helmets, Safety Shoes, Safety Belt, Goggles, Hand Gloves etc.)	3
7	Traffic Management	(Sign Boards, Persons at entry exit and Parking area)	2
8	Safety nets	-	6
9	Tyre cleaning and Vehicle maintenance	-	2.5
10	Solid Waste Management & Site maintenance activity	-	3

  
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11	Safety - Training to Workers (Twice in Year), Safety Officer	-	2
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**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	116	22
2	Solar Hot Water	Monthly	56	3
3	Rain Water Harvesting	Only for filtration plant	35	3
4	Solid waste Composting plant	Continuous O & M	52	21
5	Landscape	Daily	26	4
6	Environmental Monitoring	As per the CPCB guidelines through MoEF Approved laboratories	-	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

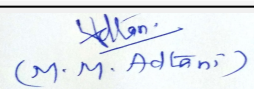
**53.Traffic Management**

Nos. of the junction to the main road & design of confluence:	The proposed project site is accessible 20.0 m wide DP Road.
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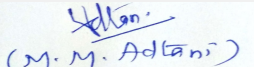
  
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**Shri M.M.Adtani (Chairman SEAC-II)**

<b>Parking details:</b>	<b>Number and area of basement:</b>	NA
	<b>Number and area of podia:</b>	NA
	<b>Total Parking area:</b>	2,983.5 m <sup>2</sup>
	<b>Area per car:</b>	28.5 m <sup>2</sup>
	<b>Area per car:</b>	28.5 m <sup>2</sup>
	<b>Number of 2-Wheelers as approved by competent authority:</b>	830 Nos
	<b>Number of 4-Wheelers as approved by competent authority:</b>	61 Nos
	<b>Public Transport:</b>	-
	<b>Width of all Internal roads (m):</b>	9m
	<b>CRZ/ RRZ clearance obtain, if any:</b>	118th MCZMA meeting Item no. 1 Authority decided to confirm the CRZ status as follows: 371B/1 (CRZ 1A: 1981.5 m <sup>2</sup> , CRZ II: 1930.9 m <sup>2</sup> , Area not affected by CRZ: 265.8 m <sup>2</sup> ) 371B/2 (CRZ II: 2,717.2 m <sup>2</sup> , Area not affected by CRZ: 2580) 371B/3 (Area not affected by CRZ: 1827.7 m <sup>2</sup> ) 371B/3 (Area not affected by CRZ: 799.08 m <sup>2</sup> ) 371B/3 (Area not affected by CRZ: 8057.7 m <sup>2</sup> )
	<b>Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries</b>	Project site is 5 km away from Tungareshwar Wildlife Sanctuary.
	<b>Category as per schedule of EIA Notification sheet</b>	8 (b)
	<b>Court cases pending if any</b>	NA
	<b>Other Relevant Informations</b>	NA
	<b>Have you previously submitted Application online on MOEF Website.</b>	Yes
	<b>Date of online submission</b>	03-05-2016
<b>SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS</b>		
Not Available.		
<b>Brief information of the project by SEAC</b>		

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

Environment Clearance for Proposed development of Residential project with shop line at S. No. 371B, H. No. 1, 2, 3, 4, 5, at Village: Juchandra, Tal.-Vasai, Dist.-Palghar. by Reliable Homemakers and Infrastructure Pvt. Ltd.

PP submitted their application for prior Environmental clearance for total plot area of 13213.52 Sq. Meters., Total BUA of 41404.71 Sq. Mtrs. and FSI area of 23015.13 Sq. Mtrs. It is proposed to construct 4 buildings having maximum heights of 44.10 meters.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8 (a) B2. PP informed that additional FSI available because of CRZ area reduction from 150 mtr to 100 mtr.

During discussion committee noticed that PP has not yet submitted plan to local planning authority for approval.

## DECISION OF SEAC


Therefor committee decided to defer the proposal

**Specific Conditions by SEAC:**

## FINAL RECOMMENDATION

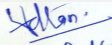
SEAC-II decided to defer the proposal till PP submits the additional information as per above conditions within 30 days

SEAC-AGENDA-000000000068

  
(Dr. B. N. Patil)  
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**Shri M.M.Adtani (Chairman  
SEAC-II)**

## State Expert Appraisal Committee (SEAC-2)

**SEAC Meeting number: 58 (Day 1) Meeting Date April 5, 2018**


**Subject:** Environment Clearance for Proposed Residential Cum Commercial Project is located at Village Navghar, Property bearing S. No. 412/5, 425 (100)/1, 2, 3, 4, 5, 7 & 8, 426 (99)/2, 3, 428(98)/6PT at Mira Road, Thane East

**Is a Violation Case:** No

1.Name of Project	Sadguru Complex
2.Type of institution	Private
3.Name of Project Proponent	Shri Kalpesh Shah
4.Name of Consultant	Building Environment (India) Pvt.Ltd.
5.Type of project	Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Proposed Residential Cum Commercial Project is located at Village Navghar, Property bearing S. No. 412/5, 425 (100)/1, 2, 3, 4, 5, 7 & 8, 426 (99)/2, 3, 428(98)/6PT at Mira Road, Thane East
9.Taluka	Thane
10.Village	Navghar
11.Area of the project	Mira Bhayandar Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	IOD Applicable.
	<b>IOD/IOA/Concession/Plan Approval Number:</b> IOD Approval no. MB/MANPA/ NR / 721 & 722 / 2015-2016 dt. 20-05-2015
	<b>Approved Built-up Area:</b> 16308.14
13.Note on the initiated work (If applicable)	There are total 8 existing buildings which obtained occupational certificate on dated 09.11.2015. Construction of building no. 9 to 11 is completed up to Stilt + 1 level & building 12 is completed up to plinth level. Construction of building no. 13 to 15 not yet started.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	IOD Applicable
15.Total Plot Area (sq. m.)	19,000.00 Sq.m
16.Deductions	1054.46 Sq.m
17.Net Plot area	17,945.54 Sq.m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 38,816.38 Sq.m
	b) Non FSI area (sq. m.): 15,009.22 Sq.m
	c) Total BUA area (sq. m.): 53826
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.):
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	3,896.04 Sq.m
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	22 %
21.Estimated cost of the project	700000000

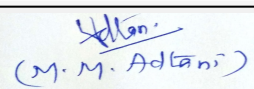
### 22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Bldg. no1 to 4	Stilt + 10 residential floors	32 M
2	Bldg no.5 to 8	Stilt + 7 residential floors	23 M
3	Bldg no.9 to 11	Stilt + 14 residential floors	44 M
4	Bldg no.12	Ground + 14 residential floors	45 M

  
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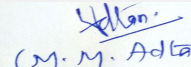
5	Bldg no.13	Stilt + 14 residential floors	44 M	
6	Bldg.no.14	Stilt / Ground + 14 residential	45 M	
7	Bldg no.15	Stilt + 13 residential floors	41 M	
<b>23.Number of tenants and shops</b>	Total no. of Flats: 760 nos. Total no. of Shops: 58 nos.			
<b>24.Number of expected residents / users</b>	Flats: 3800 Nos. Shops: 174 Nos. Total: 3974 Nos.			
<b>25.Tenant density per hectare</b>	Existing : 149 Per hectare Proposed: 306 Per hectore			
<b>26.Height of the building(s)</b>				
<b>27.Right of way (Width of the road from the nearest fire station to the proposed building(s))</b>	30 M wide Road			
<b>28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation</b>	6 - 9 M			
<b>29.Existing structure (s) if any</b>	There are total 8 existing building.			
<b>30.Details of the demolition with disposal (If applicable)</b>	Not applicable			
<b>31.Production Details</b>				
<b>Serial Number</b>	<b>Product</b>	<b>Existing (MT/M)</b>	<b>Proposed (MT/M)</b>	<b>Total (MT/M)</b>
1	Not applicable	Not applicable	Not applicable	Not applicable
<b>32.Total Water Requirement</b>				

Dry season:	Source of water	M.B.M.C.								
	Fresh water (CMD):	345								
	Recycled water - Flushing (CMD):	176								
	Recycled water - Gardening (CMD):	23								
	Swimming pool make up (Cum):	--								
	Total Water Requirement (CMD) :	546 KLD								
	Fire fighting - Underground water tank(CMD):	75000 LIT								
	Fire fighting - Overhead water tank(CMD):	10000 LIT								
	Excess treated water	221 KLD								
Wet season:	Source of water	M.B.M.C.								
	Fresh water (CMD):	345								
	Recycled water - Flushing (CMD):	176								
	Recycled water - Gardening (CMD):	23								
	Swimming pool make up (Cum):	--								
	Total Water Requirement (CMD) :	523 KLD								
	Fire fighting - Underground water tank(CMD):	75000 LIT								
	Fire fighting - Overhead water tank(CMD):	10000 LIT								
	Excess treated water	244 KLD								
Details of Swimming pool (If any)	--									
<b>33.Details of Total water consumed</b>										
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)			
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total	
Domestic	Not applicable	345	345	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>	2 - 3 M below ground level
	<b>Size and no of RWH tank(s) and Quantity:</b>	For Building 1: 1 RWH tank with 9.0 Cu.M of capacity For Building 2: 1 RWH tank with 9.0 Cu.M of capacity For Building 3: 1 RWH tank with 8.0 Cu.M of capacity For Building 4: 1 RWH tank with 9.0 Cu.M of capacity For Building 5: 1 RWH tank with 8.0 Cu.M of capacity For Building 6: 1 RWH tank with 8.0 Cu.M of capacity For Building 7: 1 RWH tank with 8.0 Cu.M of capacity For Building 8: 1 RWH tank with 8.0 Cu.M of capacity For Building 9: 1 RWH tank with 9.0 Cu.M of capacity For Building 10: 1 RW
	<b>Location of the RWH tank(s):</b>	Underground Level
	<b>Quantity of recharge pits:</b>	Due to shallow ground water table (3 m BGL), the site is unsuitable for ground water recharge and hence harvesting in tanks is suggested.
	<b>Size of recharge pits :</b>	Not applicable
	<b>Budgetary allocation (Capital cost) :</b>	1500000
	<b>Budgetary allocation (O &amp; M cost) :</b>	100000
	<b>Details of UGT tanks if any :</b>	Underground Level

<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	The arrangement for disposal of SW through and from the plot as per the remarks of SW department, MBMC
	<b>Quantity of storm water:</b>	0.15 m3/sec
	<b>Size of SWD:</b>	800 mm wide with 1:300 slope

<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	469 KLD
	<b>STP technology:</b>	'MBBR' technology
	<b>Capacity of STP (CMD):</b>	STP 1 of 280 KLD Capacity (Black water 80 KLD & Grey water 200 KLD) STP 2 of 200 KLD Capacity (Black water 50 KLD & Grey Water 150 KLD)
	<b>Location &amp; area of the STP:</b>	Partly Below Ground level
	<b>Budgetary allocation (Capital cost):</b>	7700000
	<b>Budgetary allocation (O &amp; M cost):</b>	800000

### 36.Solid waste Management

<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	Debris & excavated material generated shall be disposed by covered trucks to the authorized sites with permission from MBMC
	<b>Disposal of the construction waste debris:</b>	Construction debris shall be disposed of by covered trucks to the authorized sites with the permission of MBMC
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	181.0 kg/day
	<b>Wet waste:</b>	422.0 kg/day
	<b>Hazardous waste:</b>	Cannot be quantified at this stage as this is a residential project.
	<b>Biomedical waste (If applicable):</b>	Not applicable
	<b>STP Sludge (Dry sludge):</b>	76
	<b>Others if any:</b>	---



<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Handed over to MBMC.
	<b>Wet waste:</b>	OWC & used at site / as manure
	<b>Hazardous waste:</b>	Shall be handed over to authorized common hazardous waste disposal site
	<b>Biomedical waste (If applicable):</b>	Not applicable
	<b>STP Sludge (Dry sludge):</b>	Used as manure within the premises for plants. Excess shall be sold /handover to outside parties or gardens.
	<b>Others if any:</b>	---
<b>Area requirement:</b>	<b>Location(s):</b>	Ground level.
	<b>Area for the storage of waste &amp; other material:</b>	193 sq.mt
	<b>Area for machinery:</b>	12 Sq.m
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	1800000
	<b>O &amp; M cost:</b>	1.800000

### 37.Effluent Charecterestics

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

### 38.Hazardous Waste Details

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


### 39.Stacks emission Details

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

### 40.Details of Fuel to be used

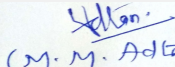
Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable

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

  
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<b>43.Green Belt Development</b>	<b>Total RG area :</b>	4628.81 Sq.mt.
	<b>No of trees to be cut :</b>	Not applicable
	<b>Number of trees to be planted :</b>	231 trees to be planted
	<b>List of proposed native trees :</b>	Nandruk Palas Kadamb Neem Sita ashok Apta Fish tail palm Son chafa Bhava Parijatak Bakul Satwin Ailanthus excelsa Karanj
	<b>Timeline for completion of plantation :</b>	3 years


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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Ficus retusa	Nandruk	10	Shady tree, good for roadside plantation
2	Butea monosperma	Palas	15	Medium sized deciduous tree. Beautiful orange flowers, Butterfly host plant
3	Anthocephalus cadamba	Kadamb	15	Shady, large deciduous tree, fast-growing graceful tree, ball shaped flowers.
4	Azadirachta indica	Neem	20	Semi-evergreen tree with medicinal value
5	Saraca indica	Sita ashok	20	Shady tree with red-yellow flowers.
6	Bauhinia racemosa	Apta	19	Small tree with small white flowers, Butterfly host plant
7	Caryota urens	Fish tail palm	20	Tall evergreen tree
8	Michelia champaca	Son chafa	25	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
9	Cassia fistula	Bhava	15	Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plant
10	Nyctanthes arbor-tristis	Parijatak	10	It is a shrub or a small tree growing to 10 m (33 ft) tall, with flaky grey bark.
11	Mimusops elengi	Bakul	20	It is a medium-sized evergreen tree
12	Alstonia scholaris	Satwin	15	It is an evergreen tropical tree in the family Apocynaceae.
13	Maharukh	Ailanthus excelsa	15	Large tree, good for roadside plantation
14	Pongamia pinnata	Karanj	12	It is one of the few nitrogen fixing trees to produce seeds containing 30-32% oil.
15	--	Total	231	--

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

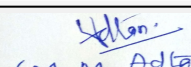
#### 46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
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1	--	--	--
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## 47. Energy

<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEB
	<b>During Construction Phase: (Demand Load)</b>	50 KW/h
	<b>DG set as Power back-up during construction phase</b>	--
	<b>During Operation phase (Connected load):</b>	For Building no. 1 to 4 & 12 - 478 KW, For Building no. 5 to 8 - 326 KW, For Building no. 9 to 11 - 336 KW, For Building no. 13,14 & 15 - 100 KW
	<b>During Operation phase (Demand load):</b>	For Building no. 1 to 4 & 12 - 115 KW, For Building no. 5 to 8 - 80 KW, For Building no. 9 to 11 - 83 KW, For Building no. 13,14 & 15 - 4 KW
	<b>Transformer:</b>	---
	<b>DG set as Power back-up during operation phase:</b>	For Building no. 1 to 4 & 12: 1 D.G. set of capacity 140 KVA For Building no. 5 to 8: 1 D.G. set of capacity 125 KVA For Building no. 9 to 11: 1 D.G. set of capacity 140 KVA For Building no. 13,14 & 15 : 1 D.G. set of capacity 125 KVA
	<b>Fuel used:</b>	Diesel
	<b>Details of high tension line passing through the plot if any:</b>	Not applicable

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

? All internal (Apartments) area lighting are proposed to work on high energy efficient lamps (LED as specified in bureau of energy efficiency, which again results in saving in general consumption.  
 ? The kitchen appliances like refrigerator, washing machine is proposed to be BEE compliant star rated machines which in turn save minimum 20 % power as compared to without star rated machine.

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

Serial Number	Energy Conservation Measures	Saving %
1	? Solar water system is proposed for hot water requirement for apartments only.	19.04 % of energy saving


### 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>	45.50000
	<b>O &amp; M cost:</b>	300000

## 51. Environmental Management plan Budgetary Allocation

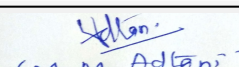
### a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	1	PPE	5.0
2	1	Site Sanitation Facility	4.0

  
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3	1	Drinking water facility	2.0
4	1	Solid Waste Management	2.5
5	1	Safety railing, platform, ladder, hoist, Cranes etc.	6.0
6	1	House keeping	2.0
7	1	Health Check	1.0
8	1	Environmental Monitoring	1.5
9	1	Anti-rusting coating on foundation steel bars	5.0
10	--	Total	29

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

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	1	STP	77.00	8.00
2	1	Rain water harvesting	15.00	1.00
3	1	Gardening	2.66	0.11
4	1	Energy Saving	45.50	3.00
5	1	Cost for Treatment of biodegradable garbage in SWM	18.00	1.80
6	1	Environmental Monitoring	MOEF approved agency for monitoring	16.39
7	1	DMP	428.07	25.79
8	1	Total	586.23	56.09

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

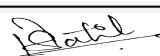
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

**52.Any Other Information**

No Information Available

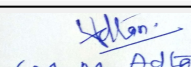
**53.Traffic Management**

Nos. of the junction to the main road & design of confluence:	One
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<b>Parking details:</b>	<b>Number and area of basement:</b>	Not applicable
	<b>Number and area of podia:</b>	Not applicable
	<b>Total Parking area:</b>	4,207.50 Sq.m
	<b>Area per car:</b>	13.75 Sq.m.
	<b>Area per car:</b>	13.75 Sq.m.
	<b>Number of 2-Wheelers as approved by competent authority:</b>	660 Nos
	<b>Number of 4-Wheelers as approved by competent authority:</b>	162 Nos.
	<b>Public Transport:</b>	Not applicable
	<b>Width of all Internal roads (m):</b>	6 - 9 M
	<b>CRZ/ RRZ clearance obtain, if any:</b>	Not Applicable
	<b>Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries</b>	Vasai Fort : Approx. 7.08 kms Bhayander Creek : Approx. 1.55 Km Khari Talao : Approx. 2.47 Km
	<b>Category as per schedule of EIA Notification sheet</b>	Category B2 of Projects and activity number 8(a) - Building & Construction Projects
	<b>Court cases pending if any</b>	Not Applicable
	<b>Other Relevant Informations</b>	----
	<b>Have you previously submitted Application online on MOEF Website.</b>	No
	<b>Date of online submission</b>	-

## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Not Available.


### Brief information of the project by SEAC

Environment Clearance for Proposed Residential Cum Commercial Project is located at Village Navghar, Property bearing S. No. 412/5, 425 (100)/1, 2, 3, 4, 5, 7 & 8, 426 (99)/2, 3, 428(98)/6PT at Mira Road, Thane East.

PP informed that this project was already recommended to SEIAA in 50 (Part-B) SEAC-II Meeting.

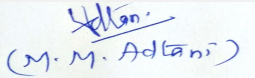
Therefor committee decided to forward this proposal to SEIAA as per decision taken in 50 (Part-B) SEAC-II Meeting.

## DECISION OF SEAC

  
(Dr. B. N. Patil)  
Member Secretary  
SEAC (MMR)  
**DR. B.N.Patil (Secretary  
SEAC-II)**

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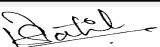
Therefor committee decided to forward this proposal to SEIAA as per decision taken in 50 (Part-B) SEAC-II Meeting.

**Specific Conditions by SEAC:**

## FINAL RECOMMENDATION

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

SEAC-AGENDA-00000000068

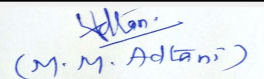


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SEAC-II)**

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

## State Expert Appraisal Committee (SEAC-2)

**SEAC Meeting number: 58 (Day 1) Meeting Date April 5, 2018**


**Subject:** Environment Clearance for Residential cum Commercial Project at plot Bearing 5, H. No. 5 B & 9, at Dhawle village, Diva, Thane by OM SAI INFRA & OM SAI GROUP

**Is a Violation Case:** No

1.Name of Project	OM SAI INFRA & OM SAI GROUP
2.Type of institution	Private
3.Name of Project Proponent	Mr. Suresh Patel, OM SAI INFRA & OM SAI GROUP
4.Name of Consultant	Dr. D. A. Patil, MAHABAL ENVIRO ENGG. PVT. LTD.
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Plot Bearing 5, H. No. 5 B & 9, at Dhawle village, Diva, Thane
9.Taluka	Thane
10.Village	Thane
11.Area of the project	Thane Municipal Corporation (TMC)
12.IOD/IOA/Concession/Plan Approval Number	Permit No. V.P. S11/0049/12TMC/TDD/1822/16 dt. 31.05.2016
	<b>IOD/IOA/Concession/Plan Approval Number:</b> Permit No. V.P. S11/0049/12TMC/TDD/1822/16 dt. 31.05.2016
	<b>Approved Built-up Area:</b> 11784.9
13.Note on the initiated work (If applicable)	FSI Area: 7,929.00 m <sup>2</sup> & Total Constructed Area: 13,891 m <sup>2</sup> (as per approved Plans from TMC)
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Permit No. V.P. S11/0049/12TMC/TDD/1822/16 dt. 31.05.2016
15.Total Plot Area (sq. m.)	10,730.00 m <sup>2</sup>
16.Deductions	3,372.40 m <sup>2</sup>
17.Net Plot area	7,357.60 m <sup>2</sup>
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 15,090.35 m <sup>2</sup>
	b) Non FSI area (sq. m.): 9,451.36 m <sup>2</sup>
	c) Total BUA area (sq. m.): 24541.71
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.):
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m <sup>2</sup> )	2682.5 m <sup>2</sup>
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	25.09%
21.Estimated cost of the project	430000000

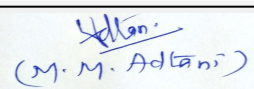
## 22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building B1 to B3	St.+7th floors	23.47 m
2	Building B4	St.+14th floors	43.73 m
3	Building B5	St.+ 17th floors	54.10 m
4	Building B6	G(pt)+St(pt)+17th floors	54.10 m

  
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23.Number of tenants and shops	Flats: 330 Nos, Shops: 11 Nos. (Area: 237.44 m2)
24.Number of expected residents / users	1,674 Nos
25.Tenant density per hectare	308/ha
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	30.0 m wide DP Road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Min 9 m
29.Existing structure (s) if any	NA
30.Details of the demolition with disposal (If applicable)	NA

### 31.Production Details

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

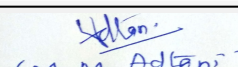
### 32.Total Water Requirement

Dry season:	Source of water	TMC
	Fresh water (CMD):	149 KLD
	Recycled water - Flushing (CMD):	75 KLD
	Recycled water - Gardening (CMD):	9 KLD
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	224 KLD
	Fire fighting - Underground water tank(CMD):	As per CFO NOC
	Fire fighting - Overhead water tank(CMD):	As per CFO NOC
	Excess treated water	123 KLD

  
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Wet season:	Source of water	TMC + RWH
	Fresh water (CMD):	112 + 37 KLD
	Recycled water - Flushing (CMD):	75 KLD
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	224 KLD
	Fire fighting - Underground water tank(CMD):	As per CFO NOC
	Fire fighting - Overhead water tank(CMD):	As per CFO NOC
	Excess treated water	132 KLD
Details of Swimming pool (If any)	NA	

### 33.Details of Total water consumed

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

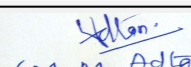
34.Rain Water Harvesting (RWH)	Level of the Ground water table:	2-3 m
	Size and no of RWH tank(s) and Quantity:	2 RWH tank with total capacity: 80 m3
	Location of the RWH tank(s):	Underground
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Rs. 20 lakh
	Budgetary allocation (O & M cost) :	Rs. 0.5 Lakh/year
	Details of UGT tanks if any :	Underground

35.Storm water drainage	Natural water drainage pattern:	Towards South Side
	Quantity of storm water:	1,178.5 m3/hr
	Size of SWD:	400 mm wide X 700 mm depth

  
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<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	209 KLD
	<b>STP technology:</b>	MBBR Technology
	<b>Capacity of STP (CMD):</b>	1 STP with 225 KLD capacity
	<b>Location &amp; area of the STP:</b>	Ground (150 m2)
	<b>Budgetary allocation (Capital cost):</b>	Rs. 45 Lakh
	<b>Budgetary allocation (O &amp; M cost):</b>	Rs. 10 Lakh/year

### 36.Solid waste Management

<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	Construction Debris: 713 m3
	<b>Disposal of the construction waste debris:</b>	The top soil will be used for landscaping purpose. The construction debris is utilized at site for Road Paving and plinth filling.
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	332 kg/d
	<b>Wet waste:</b>	498 kg/d
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	2 m3/d
	<b>Others if any:</b>	Households E-waste generation
<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Dry garbage will be segregated & disposed off to recyclers
	<b>Wet waste:</b>	Wet garbage will be composted using Mechanical Composting Technology and used as organic manure for landscaping.
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	Sludge use as manure for gardening
	<b>Others if any:</b>	The E-waste shall be handed over to e-waste management vendor authorized by MPCB.
<b>Area requirement:</b>	<b>Location(s):</b>	Location
	<b>Area for the storage of waste &amp; other material:</b>	30 m2
	<b>Area for machinery:</b>	22 m2
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs. 15 Lakh
	<b>O &amp; M cost:</b>	Rs. 7 Lakh/Year

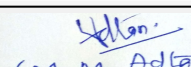
### 37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			

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

### 38.Hazardous Waste Details

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

### 39.Stacks emission Details

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

### 40.Details of Fuel to be used

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

41.Source of Fuel

Not applicable


42.Mode of Transportation of fuel to site

Not applicable

<b>43.Green Belt Development</b>	<b>Total RG area :</b>	Total RG area required: 1,731.20 m <sup>2</sup> & Total RG area provided: 1,824.80 m <sup>2</sup>
	<b>No of trees to be cut :</b>	NA
	<b>Number of trees to be planted :</b>	100 Nos.
	<b>List of proposed native trees :</b>	As below
	<b>Timeline for completion of plantation :</b>	1.5 years

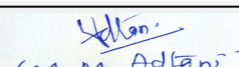
### 44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadiracta indica	Neem	12	Shady tree, yellowish green fragrant flowers
2	Albizia lebbeck	Shirish	8	Large tree, good for roadside plantation
3	Alstonia scholaris	Satwin	10	Shady Tree, white fragrant flowers
4	Bombax ceiba	Katesavar	14	Large tree, red flowers.
5	Lagerstroemia flos-regineae	Tamhan	10	State flower tree of Maharashtra Medium sized tree, beautiful purple flowers

  
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6	Bauhinia racemosa	Apta	12	Small tree with small white flowers, Butterfly host plant
7	Butea monosperma	Palas	10	Medium sized deciduous tree. Beautiful orange flowers, Butterfly host plant
8	Anthocephallus cadamba	Kadamb	12	Shady, large deciduous tree, fast-growing graceful tree, ball shaped flowers.
9	Cassia fistula	Bahava	12	Medium sized deciduous tree. Beautiful yellow 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	Vitex negundo - Nirgudi	-	-
2	Murraya paniculata - Kunti	-	-
3	Adhatoda vasica - Adulasa	-	-

**47.Energy**


<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	250 kVA
	<b>DG set as Power back-up during construction phase</b>	250 kVA
	<b>During Operation phase (Connected load):</b>	2.0 MW
	<b>During Operation phase (Demand load):</b>	1.1 MW
	<b>Transformer:</b>	NA
	<b>DG set as Power back-up during operation phase:</b>	1X550 kVA
	<b>Fuel used:</b>	HSD
	<b>Details of high tension line passing through the plot if any:</b>	NA

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

- Natural shading through elevation features to minimize heat gain and reduce air-conditioning requirement
- Use of low-e glass to reduce power requirement
- Solar lighting in common areas, garden and road
- Solar hot water for residential buildings
- Solar street lights will be proposed
- Energy efficient lighting fixtures (LED lights) to all buildings

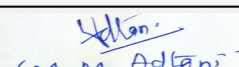
**49.Detail calculations & % of saving:**

Serial Number	Energy Conservation Measures	Saving %
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1	Total Energy saving	20.03%
2	Energy saving through Renewable Energy Source	15%

### 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. 29 Lakh
	O & M cost:	Rs. 2.5 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 (Toilets)	-	3
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	Potable Water Supply to Labour Camp	-	4
5	Health check-up & first aid	-	3
6	Safety Personal Protective Equipment	Helmets, Safety Shoes, Safety Belt, Goggles, Hand Gloves etc.	5
7	Traffic Management	Sign Boards, Persons at entry exit and Parking area	2
8	Safety nets	-	6
9	Solid Waste Management & Site maintenance activity	-	3
10	Safety - Training to Workers (Twice in Year), Safety Officer	-	5

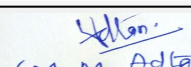
#### b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP (Tertiary)	Continuous O & M	45	10
2	Solar Hot Water	Monthly	29	2.5
3	Rain Water Harvesting	Only for filtration plant.	20	0.5

  
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4	Solid waste Composting plant	Continuous O & M	15	7
5	Landscape	Daily	18	2
6	Environmental Monitoring	As per the CPCB guidelines through MoEF Approved laboratories	-	3

### 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

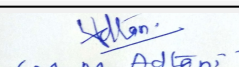
### 53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	30.0 m wide DP Road.
Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	4,287 m <sup>2</sup>
	Area per car:	26.89 m <sup>2</sup>
	Area per car:	26.89 m <sup>2</sup>
	Number of 2-Wheelers as approved by competent authority:	330 Nos.
	Number of 4-Wheelers as approved by competent authority:	141 Nos.
	Public Transport:	NA
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA

  
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	<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>	23-12-2015

## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Not Available.

### Brief information of the project by SEAC

Environment Clearance for Residential cum Commercial Project at plot Bearing 5, H. No. 5 B & 9, at Dhawle village, Diva, Thane by OM SAI INFRA & OM SAI GROUP.


### DECISION OF SEAC

PP remained absent

**Specific Conditions by SEAC:**

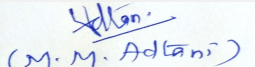
### FINAL RECOMMENDATION

SEAC-II decided to defer the proposal till PP submits the additional information as per above conditions within 30 days

  
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## State Expert Appraisal Committee (SEAC-2)


**SEAC Meeting number: 58 (Day 1) Meeting Date April 5, 2018**

**Subject:** Environment Clearance for Residential Development at BPCL Staff Colony, Chembur, Mumbai

**Is a Violation Case:** No

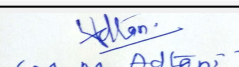
<b>1.Name of Project</b>	Residential Development at BPCL Staff Colony, Chembur, Mumbai
<b>2.Type of institution</b>	Semi Government
<b>3.Name of Project Proponent</b>	M/s. Bharat Petroleum Corporation Ltd.
<b>4.Name of Consultant</b>	M/s. Ultra-Tech
<b>5.Type of project</b>	Housing project
<b>6.New project/expansion in existing project/modernization/diversification in existing project</b>	Not applicable
<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 C.T.S. No. 231, 232 & 234 of Village Wadhavali & C.T.S. No. 168 of Village Maravali at Chembur, Mumbai.
<b>9.Taluka</b>	Kurla
<b>10.Village</b>	Village Wadhavali and Village Maravali
<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>	For Block no. 39 : Received IOD and Amended IOD dt. 06.09.2011 and 16.03.2013 respectively . Received Occupation certificate dt. 28.04.2014 , For Block no. 40 - Received IOD letter dt. 19.10.2016 <b>IOD/IOA/Concession/Plan Approval Number:</b> For Block No. 39 (OC no.): CE/6538/BPES/AM , For Block no. 40 (IOD No.) : No. CHE/625/BP (Spl. Cell)/AME/337 of 2016-17 <b>Approved Built-up Area:</b> 17596.46
<b>13.Note on the initiated work (If applicable)</b>	• Total constructed work (FSI+ Non FSI): Building under purview of EIA Notification: Block No. 39 : 9232.38 Sq.mt. • Buildings prior to EIA Notification, 1994 as amended in 2004 for construction projects : In the plot under consideration most of the buildings (i.e. Block No. 1 to 38, Bungalows 1 to 6, Trombay Club, Changing Rooms, Gate House, Servant Quarters, Sports Complex, Nursery School, Telephone Exchange, Store) were constructed and occupied prior to the year 2004 hence are not coming under purview of EIA Notification, 1994 as amended in 2004 for construction projects nor as per EIA Notification, 2006 Buildings under purview of EIA Notification: Block No. 39 : Received IOD and Amended IOD dt. 06.09.2011 and 16.03.2013 respectively . Received Occupation certificate dt. 28.04.2014
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	For proposed Block No. 40 : Received IOD from MCGM dt. 19.10 2016
<b>15.Total Plot Area (sq. m.)</b>	2, 10,851.90 Sq.mt.
<b>16.Deductions</b>	36,109.62 Sq. mt.
<b>17.Net Plot area</b>	1,74,742.28 Sq.mt.
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> 16,299.56 Sq.mt.
	<b>b) Non FSI area (sq. m.):</b> 1,297.30 Sq. mt.
	<b>c) Total BUA area (sq. m.):</b> 17596.86
<b>18 (b).Approved Built up area as per DCR</b>	<b>Approved FSI area (sq. m.):</b>
	<b>Approved Non FSI area (sq. m.):</b>
	<b>Date of Approval:</b>
<b>19.Total ground coverage (m2)</b>	Buildings prior to EIA Notification, 1994 as amended in 2004 for construction projects: 32,480.16 Sq. mt. Buildings under purview of EIA Notification: 1274.65 Sq. mt. Total Ground coverage: 33754.82 Sq.mt. (19.32 %)
<b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>	19.32%
<b>21.Estimated cost of the project</b>	492600000

## 22.Number of buildings & its configuration

  
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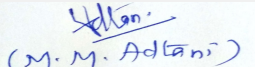


Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)	
1	Block 39 (already existing on site)	Stilt + 11 Floors	36.15 (Up to Terrace Level)	
2	Block 40	Ground +18 Floors	59.10 (Up to Terrace Level)	
3	Block 40	Ground +18 Floors	59.10 (Up to Terrace Level)	
<b>23.Number of tenants and shops</b>	Block No. 39 : Flats: 42 Nos. Block No. 40: Flats: 36 Nos.			
<b>24.Number of expected residents / users</b>	Block No. 39 : 210 nos. , Block No. 40 : 180 nos.			
<b>25.Tenant density per hectare</b>	Buildings prior to EIA Notification, 1994 as amended in 2004 for construction projects: 29/Ha , Buildings under purview of EIA Notification: 5/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>	12.0 mt. wide road connecting to 27.45 m wide road			
<b>28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation</b>	Min 9.0 mt			
<b>29.Existing structure (s) if any</b>	As mentioned in point no. 13			
<b>30.Details of the demolition with disposal (If applicable)</b>	Not applicable			
<b>31.Production Details</b>				
Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable
<b>32.Total Water Requirement</b>				

  
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<b>Dry season:</b>	<b>Source of water</b>	MCGM and From Tanker water/ In future-Bore well water with prior permission of CGWA
	<b>Fresh water (CMD):</b>	81 KLD
	<b>Recycled water - Flushing (CMD):</b>	Nil ( as sewage shall be treated/recycled offsite hence no availability for onsite recycling )
	<b>Recycled water - Gardening (CMD):</b>	Nil ( as sewage shall be treated/recycled offsite hence no availability for onsite recycling )
	<b>Swimming pool make up (Cum):</b>	4 KLD
	<b>Total Water Requirement (CMD) :</b>	81 KLD
	<b>Fire fighting - Underground water tank(CMD):</b>	200 KL
	<b>Fire fighting - Overhead water tank(CMD):</b>	60 KL
	<b>Excess treated water</b>	Nil ( as sewage shall be treated/recycled offsite hence no availability for onsite recycling )
<b>Wet season:</b>	<b>Source of water</b>	MCGM and From Tanker water/ In future-Bore well water with prior permission of CGWA
	<b>Fresh water (CMD):</b>	56 KLD
	<b>Recycled water - Flushing (CMD):</b>	Nil ( as sewage shall be treated/recycled offsite hence no availability for onsite recycling )
	<b>Recycled water - Gardening (CMD):</b>	Nil ( as sewage shall be treated/recycled offsite hence no availability for onsite recycling )
	<b>Swimming pool make up (Cum):</b>	4 KLD
	<b>Total Water Requirement (CMD) :</b>	56 KLD
	<b>Fire fighting - Underground water tank(CMD):</b>	200 KL
	<b>Fire fighting - Overhead water tank(CMD):</b>	60 KL
	<b>Excess treated water</b>	Nil ( as sewage shall be treated/recycled offsite hence no availability for onsite recycling )

**Details of Swimming pool (If any)** Volume of swimming pool : 302.4 Cum

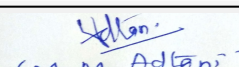
### 33.Details of Total water consumed

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

  
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**DR. B.N.Patil (Secretary SEAC-II)**

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<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	4.95m ground level
	<b>Size and no of RWH tank(s) and Quantity:</b>	Block No. 39: 1 RWH tank of 15 KL , Block No. 40: 1 RWH tank of 25 KL
	<b>Location of the RWH tank(s):</b>	Underground
	<b>Quantity of recharge pits:</b>	Nil
	<b>Size of recharge pits :</b>	Nil
	<b>Budgetary allocation (Capital cost) :</b>	Rs. 10.00 lacs
	<b>Budgetary allocation (O &amp; M cost) :</b>	Rs. 0.33 Lacs/annum
	<b>Details of UGT tanks if any :</b>	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 into the external drain.
	<b>Quantity of storm water:</b>	2.99 m3/sec
	<b>Size of SWD:</b>	Total capacity of drain: 9.89 m3/sec

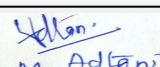
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	Buildings under purview of EIA Notification: 45 KLD
	<b>STP technology:</b>	The sewage shall be disposed to sewer line and from main sewer line it will be diverted through pipeline to STP jointly installed by Rashtriya Chemicals and Fertilizers (RCF) and BPCL and after treatment in STP the treated sewage shall be reused by BPCL refinery for secondary purpose. Please Note : The same shall be followed for treatment of sewage (291 KLD) from the Buildings which are in the same layout but are not under purview of EIA Notification, 1994 as amended in 2004 for construction pr
	<b>Capacity of STP (CMD):</b>	The sewage shall be disposed to sewer line and from main sewer line it will be diverted through pipeline to STP jointly installed by Rashtriya Chemicals and Fertilizers (RCF) and BPCL and after treatment in STP the treated sewage shall be reused by BPCL refinery for secondary purpose. Please Note : The same shall be followed for treatment of sewage (291 KLD) from the Buildings which are in the same layout but are not under purview of EIA Notification, 1994 as amended in 2004 for construction pr
	<b>Location &amp; area of the STP:</b>	The sewage shall be disposed to sewer line and from main sewer line it will be diverted through pipeline to STP jointly installed by Rashtriya Chemicals and Fertilizers (RCF) and BPCL and after treatment in STP the treated sewage shall be reused by BPCL refinery for secondary purpose. Please Note : The same shall be followed for treatment of sewage (291 KLD) from the Buildings which are in the same layout but are not under purview of EIA Notification, 1994 as amended in 2004 for construction pr
	<b>Budgetary allocation (Capital cost):</b>	Not Applicable as sewage shall be treated offsite
	<b>Budgetary allocation (O &amp; M cost):</b>	Not Applicable as sewage shall be treated offsite

### 36.Solid waste Management

  
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<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	The excavation earth material shall be used within site.
	<b>Disposal of the construction waste debris:</b>	Construction waste shall be partly reused/recycled on site and partly will be disposed to the authorized landfill site.
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	53 Kg/day
	<b>Wet waste:</b>	123 Kg/day
	<b>Hazardous waste:</b>	not applicable
	<b>Biomedical waste (If applicable):</b>	not applicable
	<b>STP Sludge (Dry sludge):</b>	not applicable
	<b>Others if any:</b>	not applicable
<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Non-recyclable: To M.C.G.M. Recyclable: To recyclers
	<b>Wet waste:</b>	Organic Waste Converter (OWC)
	<b>Hazardous waste:</b>	Not Applicable
	<b>Biomedical waste (If applicable):</b>	Not Applicable
	<b>STP Sludge (Dry sludge):</b>	Not Applicable
	<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>	32 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. 4.51 Lacs (Cost for treatment of biodegradable garbage in OWC)
	<b>O &amp; M cost:</b>	Rs. 2.35 Lacs (Cost for treatment of biodegradable garbage in OWC)


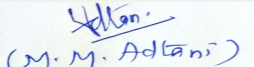
### 37. Effluent Characteristics

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

 (Dr. B. N. Patil) Member Secretary SEAC (MMR)	<b>SEAC Meeting No: 58 (Day 1) Meeting Date:          April 5, 2018</b>	<b>Page 44          of 145</b>	 (M. M. Adtani)
<b>DR. B.N.Patil (Secretary SEAC-II)</b>			<b>Shri M.M.Adtani (Chairman SEAC-II)</b>

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

#### 40.Details of Fuel to be used

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

41.Source of Fuel Not applicable

42.Mode of Transportation of fuel to site Not applicable

<b>43.Green Belt Development</b>	<b>Total RG area :</b>	Reservation(Designated) RG : 35370.29 Sq.m. & Physical RG: 26211.34 Sq.m.
	<b>No of trees to be cut :</b>	5 Nos.
	<b>Number of trees to be planted :</b>	Existing trees on total layout: 5430 Nos., Trees to be planted : 39 Nos.
	<b>List of proposed native trees :</b>	Given in List of proposed plantation on ground
	<b>Timeline for completion of plantation :</b>	Before occupation

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


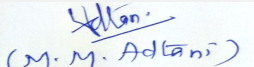
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadirachta indica	Neem	13	Large tree, fast-growing evergreen tree, drought resistance, Medicinal properties, good for roadside plantation.
2	Cassia fistula L.	Bahava	13	Is widely grown as an ornamental plant. 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
3	Pongamia pinnata (L.) Pierre	Karanj	13	It has large canopy which spreads equally wide, It has potential to grow in salt water soil, drought-tolerant. Its roots maintains the nitrogen content of soil

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

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

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

#### 47.Energy

 (Dr. B. N. Patil) Member Secretary SEAC (MMR) <b>DR. B.N.Patil (Secretary SEAC-II)</b>	<b>SEAC Meeting No: 58 (Day 1) Meeting Date: April 5, 2018</b>	<b>Page 45 of 145</b>	 (M. M. Adtani) <b>Shri M.M.Adtani (Chairman SEAC-II)</b>
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<b>Power requirement:</b>	<b>Source of power supply :</b>	Reliance Infrastructure Ltd. and TATA Power
	<b>During Construction Phase: (Demand Load)</b>	As per requirement
	<b>DG set as Power back-up during construction phase</b>	As per requirement
	<b>During Operation phase (Connected load):</b>	Block No. 39: 900 KW and Block No. 40: 962 KW
	<b>During Operation phase (Demand load):</b>	As per requirement
	<b>Transformer:</b>	--
	<b>DG set as Power back-up during operation phase:</b>	Block No. 39 : 1 DG set of 125 kVA and Block No. 40 : 1 DG set of 320 kVA
	<b>Fuel used:</b>	Diesel
	<b>Details of high tension line passing through the plot if any:</b>	High Tension Line is touching to the plot, NOC shall be obtained for clearances

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

- ? Solar PV System for common area lighting
- ? Use of LED Lamp in Flats & Common area.
- ? Use of BEE FIVE star certified Air conditioners in flats.
- ? Use of VFD for Lifts and high efficient pumps

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

Serial Number	Energy Conservation Measures	Saving %
1	Solar PV System for common area lighting	Solar PV System for common area lighting
2	Use of LED Lamp in Flats & Common area	Use of LED Lamp in Flats & Common area
3	Use of BEE FIVE star certified Air conditioners in flats	Use of VFD for Lifts and high efficient pumps
4	Use of VFD for Lifts and high efficient pumps	Use of VFD for Lifts and high efficient pumps

#### 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. 31.00 Lacs (Costing for Solar Panels)
	<b>O &amp; M cost:</b>	Rs. 2.00 Lacs/annum (Costing for Solar Panels)

### 51. Environmental Management plan Budgetary Allocation

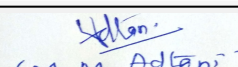
#### a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Dust Suppression	0.36

  
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2	Air Environment	Air & Noise monitoring By outside MOEF Approved Laboratory	0.22
3	Water Environment	Drinking water analysis	0.18
4	Land Environment	Site Sanitation	5.00
5	Health & Hygiene	Disinfection at site- Pest Control	1.20
6	Health & Hygiene	Health Check Up of workers	1.50
7	Cost towards Disaster management	--	44.51

**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	30.75	20.73
2	Air Environment & Biological Environment	Cost for Ambient air & Noise Monitoring	*No set up cost is involved	0.22
3	Air Environment & Biological Environment	DG Stack Exhaust Monitoring	*No set up cost is involved	0.10
4	Water Environment (Water Conservation (Rain Water Harvesting System))	Cost for RWH tanks	4.00	0.21
5	Water Environment (Water Conservation (Rain Water Harvesting System))	Cost for treatment unit for rain water tanks	6.00	0.02
6	Water Environment (Water Conservation (Rain Water Harvesting System))	Rain Water Quality Monitoring	*No set up cost is involved	0.10
7	Land Environment (Solid Waste Management)	Cost for Treatment of biodegradable garbage in OWC	4.51	2.27
8	Land Environment (Solid Waste Management)	Cost for monitoring of OWC manure	*No set up cost is involved	0.08
9	Energy Conservation	Solar system	31.00	2.00
10	Cost towards Disaster management	--	117.94	5.54
11	Cost towards Disaster management	--	117.94	5.54
12	Cost already incurred on site for EMP: Rs. 74.06 Lacs	--	--	--

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

  
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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

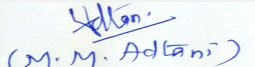
### 53. Traffic Management

	Nos. of the junction to the main road & design of confluence:	one entry and one exist
Parking details:	Number and area of basement:	Nil
	Number and area of podia:	No applicable
	Total Parking area:	Block No. 39 : 2805.00 Sq. mt. , Block No. 40 : 2140.00 Sq. mt.
	Area per car:	as per NBC
	Area per car:	as per NBC
	Number of 2-Wheelers as approved by competent authority:	Block No. 39 : 20 nos. , Block No. 40 : 25 nos.
	Number of 4-Wheelers as approved by competent authority:	Block No. 39 : 115 nos. , Block No. 40 : 90 nos.
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	Mini. 6 mt.
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	no
	Category as per schedule of EIA Notification sheet	8 (a)
	Court cases pending if any	nil
	Other Relevant Informations	not applicable

  
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	<b>Have you previously submitted Application online on MOEF Website.</b>	Yes
	<b>Date of online submission</b>	19-06-2017
<b>SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS</b>		
Not Available.		
<b>Brief information of the project by SEAC</b>		
<p>Environment Clearance for Residential Development at BPCL Staff Colony, Chembur, Mumbai on Plot bearing C.T.S. No. 231, 232 &amp; 234 of Village Wadhavali &amp; C.T.S. No. 168 of Village Maravali at Chembur, Mumbai.</p> <p>PP presented that old structures are present on the site which are of prior to 2004. Total construction area is around 64195sqm. Now proposal is for two new buildings having total construction area 17,596.86sqm. It was reported that these are isolated buildings and hence EC is not required. However, committee observed that it is an expansion project and hence pp needs to submit revised CS and form 1 and form 1a and revert.</p>		
<b>DECISION OF SEAC</b>		
After deliberation, committee decided to defer the proposal for compliance of above points.		
<b>Specific Conditions by SEAC:</b>		
<b>FINAL RECOMMENDATION</b>		
SEAC-II decided to defer the proposal till PP submits the additional information as per above conditions within 30 days		

SEAC-AGENDA

## State Expert Appraisal Committee (SEAC-2)

**SEAC Meeting number: 58 (Day 1) Meeting Date April 5, 2018**


**Subject:** Environment Clearance for Slum Rehabilitation Scheme at village Kandivali, situated at Shankarpada, Dahanukarwadi, Kandivali (West), Mumbai Suburban, Maharashtra

**Is a Violation Case:** No

1.Name of Project	Slum Rehabilitation Scheme
2.Type of institution	Private
3.Name of Project Proponent	M/s. BRIZEAL REALTORS AND DEVELOPERS LLP
4.Name of Consultant	M/s. Ultra-Tech
5.Type of project	SRA scheme
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	Received IOA and CC from Slum Rehabilitation Authority
8.Location of the project	CTS No. 818 (pt) & 819 (pt) with amalgamation of adjoining plots bearing CTS no. 817 (pt), 819B (pt), 850B (pt), 855 (pt) & 859 (pt). of village Kandivali, situated at Shankarpada, Dahanukarwadi, Kandivali (West), Mumbai Suburban, Maharashtra
9.Taluka	Borivali
10.Village	Kandivali
11.Area of the project	Municipal Corporation of Greater Mumbai (M.C.G.M.)
12.IOD/IOA/Concession/Plan Approval Number	Concession approval : File No. SRA/Eng/874/RS/ML/PL/LOI
	<b>IOD/IOA/Concession/Plan Approval Number:</b> Concession approval :File No. SRA/Eng/874/RS/ML/PL/LOI
	<b>Approved Built-up Area:</b> 34950.89
13.Note on the initiated work (If applicable)	Total constructed work (FSI+ Non FSI): 7564.90 Sq. m. Received IOA and CC from Slum Rehabilitation Authority
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Received LOI from Slum Rehabilitation Authority (SRA) and Received Annexure II from BMC
15.Total Plot Area (sq. m.)	7156.95 Sq. m.
16.Deductions	1807.97 Sq. m.
17.Net Plot area	5348.98 Sq. m.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 34,572.92
	b) Non FSI area (sq. m.): 19,511.55
	c) Total BUA area (sq. m.): 54084.47
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.):
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	2308.02
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	45 %
21.Estimated cost of the project	1905000000

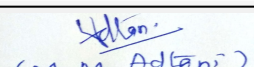
## 22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Rehabilitation Building 1	Service Basement + Ground + 1st to 22nd floors	69.90 m. (Up to terrace level)
2	Rehabilitation Building 2	Service Basement + Ground + 1st to 22nd floors	69.90 m. (Up to terrace level)


  
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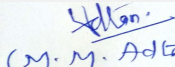
  
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3	Sale Building	Service Basement + Ground + 7 Mechanical Parking Levels + Service floor + Amenities Floor + 9 to 54 Residential floors (Service floor & fire check floor provided above 21st and 43rd floor).	181.95 m. (Up to terrace level)	
<b>23.Number of tenants and shops</b>	Rehabilitation Building 1: Residential: 183 Nos. Balwadi: 2 Nos. Welfare center: 2 Nos. Society offices: 1 No. Rehabilitation Building 2: Residential: 170 Nos. PAP: 43 Nos. Balwadi: 3 Nos. Welfare center: 3 Nos. Society offices: 2 Nos. Sale Building: Residential: 262 Nos.			
<b>24.Number of expected residents / users</b>	3380 nos.			
<b>25.Tenant density per hectare</b>	1278/hector			
<b>26.Height of the building(s)</b>				
<b>27.Right of way (Width of the road from the nearest fire station to the proposed building(s))</b>	18.30 m Wide D.P. Road and 36.30 m Wide D.P. Road (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>	9.00 mt.			
<b>29.Existing structure (s) if any</b>	Part construction of Rehabilitation building 2 is completed as per approval received from Slum Rehabilitation Authority			
<b>30.Details of the demolition with disposal (If applicable)</b>	Demolition debris partly recycled and remaining disposed to the authorized land fill site.			
<b>31.Production Details</b>				
<b>Serial Number</b>	<b>Product</b>	<b>Existing (MT/M)</b>	<b>Proposed (MT/M)</b>	<b>Total (MT/M)</b>
1	Not applicable	Not applicable	Not applicable	Not applicable
<b>32.Total Water Requirement</b>				


  
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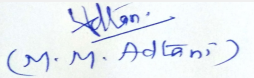
Dry season:	Source of water	M.C.G.M.							
	Fresh water (CMD):	298							
	Recycled water - Flushing (CMD):	150							
	Recycled water - Gardening (CMD):	3							
	Swimming pool make up (Cum):	2							
	Total Water Requirement (CMD) :	453							
	Fire fighting - Underground water tank(CMD):	Rehabilitation Building 1: 200 KL , Rehabilitation Building 2: 200 KL & Sale Building: 500 KL							
	Fire fighting - Overhead water tank(CMD):	Rehabilitation Building 1: 25 KL , Rehabilitation Building 2: 25 KL & Sale Building: 250 KL							
	Excess treated water	196							
Wet season:	Source of water	M.C.G.M.							
	Fresh water (CMD):	From M.C.G.M.): 286 KLD + From RWH tanks: 12 KLD							
	Recycled water - Flushing (CMD):	150							
	Recycled water - Gardening (CMD):	0							
	Swimming pool make up (Cum):	2							
	Total Water Requirement (CMD) :	450							
	Fire fighting - Underground water tank(CMD):	Rehabilitation Building 1: 200 KL , Rehabilitation Building 2: 200 KL & Sale Building: 500 KL							
	Fire fighting - Overhead water tank(CMD):	Rehabilitation Building 1: 25 KL , Rehabilitation Building 2: 25 KL & Sale Building: 250 KL							
	Excess treated water	199							
Details of Swimming pool (If any)	Volume of Swimming pool = 133 Sq. m.								
<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

  
(Dr. B. N. Patil)  
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<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	Between 4.2 m to 7.0 m below ground level
	<b>Size and no of RWH tank(s) and Quantity:</b>	Rehabilitation Building 1: One tank of 23 KL, Rehabilitation Building 2: One tank of 22 KL and Sale Building : One tank of 33 KL
	<b>Location of the RWH tank(s):</b>	Ground
	<b>Quantity of recharge pits:</b>	Nil
	<b>Size of recharge pits :</b>	Not Applicable
	<b>Budgetary allocation (Capital cost) :</b>	Rs.7.80 Lacs
	<b>Budgetary allocation (O &amp; M cost) :</b>	Rs. 0.39 Lacs/annum
	<b>Details of UGT tanks if any :</b>	Sale Building: Fire Tank: 500 Cum Domestic water tank: 120 Cum Flushing water tank: 60 Cum


<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>	0.12 m3/sec
	<b>Size of SWD:</b>	450 mm diameter with slope 1: 300

<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	Rehabilitation Building 1: 108 KLD, Rehabilitation Building 2: 127 KLD & Sale Building: 153 KLD
	<b>STP technology:</b>	MBBR (Moving Bed Bio Reactor)
	<b>Capacity of STP (CMD):</b>	Rehabilitation Building 1: 130 KL, Rehabilitation Building 2: 130 KL & Sale Building: 160 KL
	<b>Location &amp; area of the STP:</b>	Below Ground
	<b>Budgetary allocation (Capital cost):</b>	Rs. 107.77 Lacs
	<b>Budgetary allocation (O &amp; M cost):</b>	Rs. 33.25 Lacs/annum

### 36.Solid waste Management

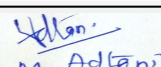
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	Excavation material partly shall be recycled & remaining disposed to the authorized landfill site with prior permission of M.C.G.M.
	<b>Disposal of the construction waste debris:</b>	Construction waste material shall be partly recycled and remaining shall be disposed to the authorized land fill site.

<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	452 kg/day
	<b>Wet waste:</b>	1038 kg/day
	<b>Hazardous waste:</b>	Not Applicable
	<b>Biomedical waste (If applicable):</b>	Not Applicable
	<b>STP Sludge (Dry sludge):</b>	58 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 M.C.G.M. Recyclable: To recyclers
	<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>	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>	81 Sq. m.
	<b>Area for machinery:</b>	24 Sq. m.
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs. 27.00 Lacs
	<b>O &amp; M cost:</b>	Rs. 5.35 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

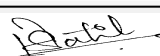
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 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	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

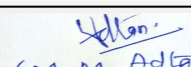
### 40. Details of Fuel to be used

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>	473.98 Sq. m.
	<b>No of trees to be cut :</b>	Nil
	<b>Number of trees to be planted :</b>	25 nos.
	<b>List of proposed native trees :</b>	As given below in list of proposed plantation
	<b>Timeline for completion of plantation :</b>	Before Occupation

#### 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	Anthocephalus kadamba	Kadamb	5	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.
2	Cassia fistula	Bahava	5	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.
3	Azadirachta indica	Neem	5	Large tree, fast-growing evergreen tree, drought resistance, Medicinal properties, good for roadside plantation.
4	Lagerstroemia speciosa	Pride of India	5	It is a small to medium-sized tree growing to 20 metres (66 ft) tall, with smooth, flaky bark. It is also widely cultivated as an ornamental plant in tropical and subtropical areas. It has medicinal applications.
5	Areca catechu	Betel nut palm	5	It is a medium-sized and palm tree, The seed contains alkaloids such as arecaidine and arecoline, which, Used as an interior landscaping species, Nuts are used for chewing.

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

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

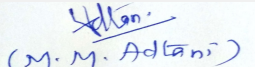
Serial Number	Name	C/C Distance	Area m2
1	Not Applicable	Not Applicable	Not Applicable

#### 47.Energy

  
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<b>Power requirement:</b>	<b>Source of power supply :</b>	Reliance Power
	<b>During Construction Phase: (Demand Load)</b>	150 kVA
	<b>DG set as Power back-up during construction phase</b>	As per requirement
	<b>During Operation phase (Connected load):</b>	8216 KW
	<b>During Operation phase (Demand load):</b>	4117 KW
	<b>Transformer:</b>	-
	<b>DG set as Power back-up during operation phase:</b>	D.G. set of capacity 380 kVA, D.G. set of capacity 320 kVA & 2 D.G. sets of capacity 625 kVA each
	<b>Fuel used:</b>	Diesel
	<b>Details of high tension line passing through the plot if any:</b>	Not Applicable

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

- Provision of solar hot water system for rehabilitation & sale building
- Daylight based control with 35% solar based panels for Sale Building
- Use of Solar power for staircase lighting
- Daylight based control
- Provision of T-5 Fittings (28 w) and Electronic ballasts instead of Fluorescent Light fittings (40w) and copper ballasts
- Use of BEE five star certified appliance
- Use of Group controls and Variable speed drives
- Use of BEE Certified Motors

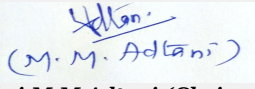
#### 49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	<ul style="list-style-type: none"> <li>• Provision of solar hot water system for rehabilitation &amp; sale building</li> <li>• Daylight based control with 35% solar based panels for Sale Building</li> <li>• Use of Solar power for staircase lighting</li> <li>• Daylight based control</li> <li>• Provision of T-5 Fittings (28 w) and Electronic ballasts instead of Fluorescent Light fittings (40w) and copper ballasts</li> <li>• Use of BEE five star certified appliance</li> <li>• Use of Group controls and Variable speed drives</li> </ul>	Rehabilitation Building 1: Total Energy Saving: 22 % and Energy Saving due to Solar System: 9 %
2	<ul style="list-style-type: none"> <li>• Provision of solar hot water system for rehabilitation &amp; sale building</li> <li>• Daylight based control with 35% solar based panels for Sale Building</li> <li>• Use of Solar power for staircase lighting</li> <li>• Daylight based control</li> <li>• Provision of T-5 Fittings (28 w) and Electronic ballasts instead of Fluorescent Light fittings (40w) and copper ballasts</li> <li>• Use of BEE five star certified appliance</li> <li>• Use of Group controls and Variable speed drives</li> </ul>	Rehabilitation Building 2: Total Energy Saving: 23 % and Energy Saving due to Solar System: 9 %

  
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3	<ul style="list-style-type: none"> <li>•Provision of solar hot water system for rehabilitation &amp; sale building</li> <li>•Daylight based control with 35% solar based panels for Sale Building</li> <li>•Use of Solar power for staircase lighting</li> <li>•Daylight based control</li> <li>•Provision of T-5 Fittings (28 w) and Electronic ballasts instead of Fluorescent Light fittings (40w) and copper ballasts</li> <li>•Use of BEE five star certified appliance</li> <li>•Use of Group controls and Variable speed drives</li> </ul>	Sale Building : Total Energy Saving: 24 % and Energy Saving due to Solar System: 10 %
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### 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. 70.25 Lacs
	<b>O &amp; M cost:</b>	Rs. 0.70 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	Dust suppression	4.32
2	Air Environment	Air and Noise quality - Sensors for Air and Noise quality monitoring	10.00
3	Air Environment	Air and Noise quality - By outside MOEF Approved Laboratory	0.66
4	Water Environment	Drinking water analysis	0.54
5	Land Environment	Site Sanitation	5.00
6	Health & Hygiene	Disinfection- Pest Control	3.60
7	Health & Hygiene	Health Check Up	13.50
8	Cost towards Disaster management	--	162.50

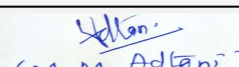
#### b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air, Noise Environment & Biological Environment	Cost for Gardening	2.28	1.20
2	Air, Noise Environment & Biological Environment	Cost for Ambient air & Noise Monitoring	*No set up cost is involved	0.22
3	Air, Noise Environment & Biological Environment	Cost for DG Stack Exhaust Monitoring	*No set up cost is involved	0.14
4	Water Environment - Waste water treatment	Cost for sewage Treatment Plant	107.77	33.25

  
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5	Water Environment - Waste water treatment	Cost for Waste water Monitoring- On site sensors	54.00	1.00
6	Water Environment - Waste water treatment	Cost for Waste water Monitoring- By outside MOEF Approved Laboratory	*No set up cost is involved	0.08
7	Water Environment - Water Conservation (Rain Water Harvesting System)	Cost for RWH tanks	7.80	0.39
8	Water Environment - Water Conservation (Rain Water Harvesting System)	Cost for treatment unit for rain water tanks	9.00	0.03
9	Water Environment - Water Conservation (Rain Water Harvesting System)	Cost for Rainwater Monitoring	*No set up cost is involved	0.14
10	Land Environment (Solid Waste Management)	Cost for Treatment of biodegradable garbage in OWC	27.00	5.35
11	Land Environment (Solid Waste Management)	Cost for monitoring of organic manure	*No set up cost is involved	0.72
12	Energy Conservation	Solar system	70.25	0.70
13	Cost towards Disaster management	--	273.52	8.21

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


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

### 52.Any Other Information

No Information Available

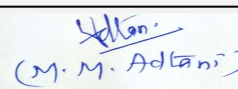
### 53.Traffic Management

	<b>Nos. of the junction to the main road &amp; design of confluence:</b>	Rehabilitation Building 1: Two entry/ exit, Rehabilitation Building 2: One entry/ exit and Sale Building: Two entry & Three exit
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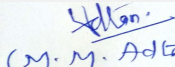
  
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<b>Parking details:</b>	<b>Number and area of basement:</b>	Service basement in all buildings
	<b>Number and area of podia:</b>	Not Applicable
	<b>Total Parking area:</b>	567.70 Sq. m.
	<b>Area per car:</b>	--
	<b>Area per car:</b>	--
	<b>Number of 2-Wheelers as approved by competent authority:</b>	Required: Nil, Proposed: 60 Nos.
	<b>Number of 4-Wheelers as approved by competent authority:</b>	Required: 238 nos., Proposed: 238 Nos.
	<b>Public Transport:</b>	Not Applicable
	<b>Width of all Internal roads (m):</b>	Minimum 6.00 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>	Sanjay Gandhi National Park: Approx. 4.0 Km (Aerial Distance)
	<b>Category as per schedule of EIA Notification sheet</b>	8 (a)
	<b>Court cases pending if any</b>	Not Applicable
	<b>Other Relevant Informations</b>	Not Applicable
	<b>Have you previously submitted Application online on MOEF Website.</b>	Yes
	<b>Date of online submission</b>	13-10-2015
<b>SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS</b>		
Not Available.		
<b>Brief information of the project by SEAC</b>		
Environment Clearance for Slum Rehabilitation Scheme at village Kandivali, situated at Shankarpada, Dahanukarwadi, Kandivali (West), Mumbai Suburban, Maharashtra.		
<b>DECISION OF SEAC</b>		

  
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PP remain absent

**Specific Conditions by SEAC:**

**FINAL RECOMMENDATION**

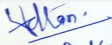
SEAC-II decided to defer the proposal till PP submits the additional information as per above conditions within 30 days

SEAC-AGENDA-00000000068

  
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## State Expert Appraisal Committee (SEAC-2)

**SEAC Meeting number: 58 (Day 1) Meeting Date April 5, 2018**


**Subject:** Environment Clearance for 8(a) Building & construction projects, B2 Category

**Is a Violation Case:** No

1.Name of Project	Redevelopment Project under DCR 33(7) at Mahim, Mumbai
2.Type of institution	Private
3.Name of Project Proponent	M/s. Avarsekar Realty Private Limited (Earlier Known as AVARSEKAR DEVELOPERS)
4.Name of Consultant	Green Circle, Inc.
5.Type of project	Redevelopment projects for old, cessed and dilapidated structures under D C regulations 33(7)
6.New project/expansion in existing project/modernization/diversification in existing project	Redevelopment Project (Expansion)
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No.
8.Location of the project	Property bearing C.S. No. 695, 1/696 & 697 at Sitladevi Temple road, Mahim, Mumbai, Maharashtra.
9.Taluka	-
10.Village	Mahim
11.Area of the project	Municipal Corporation of Greater Mumbai (MCGM)
12.IOD/IOA/Concession/Plan Approval Number	Amended IOD for Building A & Building B <b>IOD/IOA/Concession/Plan Approval Number:</b> IOD for Building A vide letter No. EB/7977/GN/A dated 1st April, 2014 & IOD for Building B vide letter No. EB/7978/GN/A dated 1st April, 2014 <b>Approved Built-up Area:</b> 24863.87
13.Note on the initiated work (If applicable)	Building A: 12,933.25 Sq.mt (Upto 25th Floor) & Building B: 4680.29 Sq. m (OC obtained in year 2010), Total (Bldg A + B) = 17613.54 sq. m
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Revised MHADA NOC received vide letter no. R/NOC/F-690/1119/MBRRB-11 dated 22.02.2012
15.Total Plot Area (sq. m.)	3337.34 m <sup>2</sup>
16.Deductions	15.7 m <sup>2</sup>
17.Net Plot area	3321.64 m <sup>2</sup>
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 8,262.40 b) Non FSI area (sq. m.): 16,601.47 c) Total BUA area (sq. m.): 24863.87
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): Approved Non FSI area (sq. m.): Date of Approval:
19.Total ground coverage (m2)	1,263.20
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	38.03
21.Estimated cost of the project	470000000

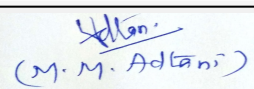
### 22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building A	Basement + G (Stilt) + 14 Parking levels + 15th floor podium + 16th to 42rd upper floors + 43rd part floor	146.45
2	Building B - Wing A & B	G + 6 upper floors	21.04

  
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3	Building B - Wing C & D	G + 7 upper floors	23.96
4	Building B - Wing E	G + 3 upper floors for Municipal Retail Market	15.20


<b>23.Number of tenants and shops</b>	147 No. of Residential Tenements
<b>24.Number of expected residents / users</b>	For Building A: 245 Persons, For Building B: 490 Persons, Floating Population: 98 Persons, Total Population: 833 Persons
<b>25.Tenant density per hectare</b>	200/hector
<b>26.Height of the building(s)</b>	
<b>27.Right of way (Width of the road from the nearest fire station to the proposed building(s))</b>	18.30 m
<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 B: Wing A & B: G + 6 upper floors, Wing C & D: G + 7 upper floors, Wing E: G + 3 upper floors for Municipal Retail Market.
<b>30.Details of the demolition with disposal (If applicable)</b>	NA

### 31.Production Details

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

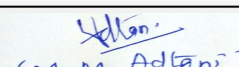
### 32.Total Water Requirement

<b>Dry season:</b>	<b>Source of water</b>	Municipal Supply/ Recycled water
	<b>Fresh water (CMD):</b>	97
	<b>Recycled water - Flushing (CMD):</b>	15
	<b>Recycled water - Gardening (CMD):</b>	1
	<b>Swimming pool make up (Cum):</b>	9
	<b>Total Water Requirement (CMD) :</b>	122
	<b>Fire fighting - Underground water tank(CMD):</b>	300 m3 for Building 'A' & 50 m3 for Building 'B'
	<b>Fire fighting - Overhead water tank(CMD):</b>	30 m3 for Building 'A' & 100 m3 for Building 'B'
	<b>Excess treated water</b>	21

  
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<b>Wet season:</b>	<b>Source of water</b>	Municipal Supply/ Recycled water
	<b>Fresh water (CMD):</b>	97
	<b>Recycled water - Flushing (CMD):</b>	15
	<b>Recycled water - Gardening (CMD):</b>	0
	<b>Swimming pool make up (Cum):</b>	9
	<b>Total Water Requirement (CMD) :</b>	121
	<b>Fire fighting - Underground water tank(CMD):</b>	300 m3 for Building 'A' & 50 m3 for Building 'B'
	<b>Fire fighting - Overhead water tank(CMD):</b>	30 m3 for Building 'A' & 100 m3 for Building 'B'
	<b>Excess treated water</b>	22
<b>Details of Swimming pool (If any)</b>	Dimension of Swimming Pool: 12.45 m x 4.08 m Total water Requirement: 90 m3 Water requirement for make up: 9 m3/day Details of Plant & Machinery used for treatment of Swimming pool water: Pipeless Filtration System	

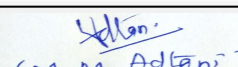
### 33.Details of Total water consumed

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

  
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 (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>	3.5 meter bgl
	<b>Size and no of RWH tank(s) and Quantity:</b>	1 No. x 9000 Litres
	<b>Location of the RWH tank(s):</b>	Basement Area
	<b>Quantity of recharge pits:</b>	NA
	<b>Size of recharge pits :</b>	NA
	<b>Budgetary allocation (Capital cost) :</b>	Rs. 3 Lakhs
	<b>Budgetary allocation (O &amp; M cost) :</b>	Rs. 0.2 Lakh/Annum
<b>Details of UGT tanks if any :</b>	For Building 'A': Fire Fighting Tank-1 : 150 m3 Fire Fighting Tank-2 : 150 m3 Domestic water Tank: 26.980 m3 Flushing water Tank: 23.055 m3 For Building 'B': Fire Fighting Tank : 50 m3 Domestic water Tank: 60 m3	
<b>35.Storm water drainage</b>		
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	Gravity
	<b>Quantity of storm water:</b>	0.0278 m3/sec
	<b>Size of SWD:</b>	300 mm
<b>Sewage and Waste water</b>		
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	41
	<b>STP technology:</b>	MBBR
	<b>Capacity of STP (CMD):</b>	1 No. x 45 KLD
	<b>Location &amp; area of the STP:</b>	Basement
	<b>Budgetary allocation (Capital cost):</b>	Rs. 30 Lakhs
	<b>Budgetary allocation (O &amp; M cost):</b>	Rs. 8.0 Lakh/Annum
<b>36.Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	7105 m3
	<b>Disposal of the construction waste debris:</b>	Construction debris generated from the Construction activities will be reused as sub base of internal road and drive ways. Excavated soil will be used for refilling or foundation trenches and the balance shall be used for leveling of low lying areas within the plot premises.
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	For Bldg. A: 68 kg/day
	<b>Wet waste:</b>	For Bldg. A: 103 kg/day
	<b>Hazardous waste:</b>	spent oil or oil grease for DG sets, paints etc.
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	7 kg/day
	<b>Others if any:</b>	For Building B: Total waste generation: 245 kg/day
<b>DR. B.N.Patil (Secretary SEAC-II)</b>	<b>SEAC Meeting No: 58 (Day 1) Meeting Date: April 5, 2018</b>	<b>Page 64 of 145</b>
		<b>Smt M.M.Aadani (Chairman SEAC-II)</b>



<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Handed over to authorized vendor for further handling and disposal.
	<b>Wet waste:</b>	Will be converted to compost using Organic Waste Converter.
	<b>Hazardous waste:</b>	Handed over to authorized Vendor
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	Will be used as manure for gardening
	<b>Others if any:</b>	For Building B: Municipal corporation/authorized vendors for disposal
<b>Area requirement:</b>	<b>Location(s):</b>	Above Ground
	<b>Area for the storage of waste &amp; other material:</b>	60 Sq.m
	<b>Area for machinery:</b>	25 Sq. m
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs. 9 Lakhs
	<b>O &amp; M cost:</b>	Rs. 0.3 Lakh/Annum

### 37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	-	6.0 - 8.5	7 - 7.5	6.5 - 9.0
2	Suspended Solids	mg/L	200 - 300	< 10	20
3	BOD	mg/L	200 - 350	< 10	10
4	COD	mg/L	500 - 700	< 60	50
5	Oil & Grease	mg/L	Up to 20	< 10	10
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			


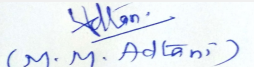
### 38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used oil	5.1	Litres/year	0	200	200	Handed over to authorized Vendor/reprocessor


### 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	1 No. x 500 KVA DG set	Diesel - 100 Litres/hr	1	6	0.150	90-100 oC

### 40. Details of Fuel to be used

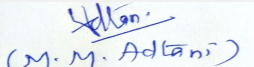
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Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel	0	100 Litres/hr	100 Litres/hr
41.Source of Fuel		Local Market		
42.Mode of Transportation of fuel to site		Road transport		
<b>43.Green Belt Development</b>	<b>Total RG area :</b>	215.57 m <sup>2</sup>		
	<b>No of trees to be cut :</b>	11 Nos.		
	<b>Number of trees to be planted :</b>	No. of Existing Trees: 38 Nos., Trees to be retained: 18 Nos. , Trees to be transplanted: 09 Nos.		
	<b>List of proposed native trees :</b>	Neem, Kunti		
	<b>Timeline for completion of plantation :</b>	2 years		
<b>44.Number and list of trees species to be planted in the ground</b>				
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Bahava	Cassia fistula	1	Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plant
2	Bakul	Mimusopselengi	1	Shady tree, small white fragrant flowers
3	Parijatak	Nyctanthes arbor-tristis	1	Small deciduous fast growing tree, beautiful flowers.
4	Tamhan	Lagerstroemia flos-reginea	1	State flower tree of Maharashtra Medium sized tree, beautiful purple flowers
5	Neem	Azadiractaindica	1	Large tree, good for roadside plantation
6	Sita Ashok	Saracaasoka	1	Shady tree with red-yellow flowers.
7	Kadamb	Anthocephalluscadamba	1	Shady, large tree, ball shaped flowers.
8	Satwin	Alstoniascholaris	1	Shady Tree, white fragrant flowers
9	Kunti	Murrayapaniculata	1	Small tree, Fragrant white flowers, Butterfly host plant
10	Katesavar	Bombaxceiba	1	Large tree, red flowers.
11	Karanj	Pongamiapinnata	1	Shady tree
<b>45.Total quantity of plants on ground</b>				
<b>46.Number and list of shrubs and bushes species to be planted in the podium RG:</b>				
Serial Number	Name	C/C Distance	Area m <sup>2</sup>	
1	NA	NA	NA	
<b>47.Energy</b>				

  
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<b>Power requirement:</b>	<b>Source of power supply :</b>	BEST/ DG Set Stand by
	<b>During Construction Phase: (Demand Load)</b>	150 KW
	<b>DG set as Power back-up during construction phase</b>	NA
	<b>During Operation phase (Connected load):</b>	For Building A: 995 KW & For Building B: 1839 KW
	<b>During Operation phase (Demand load):</b>	For Building A: 795 KW & For Building B: 849 KW (1062 KVA)
	<b>Transformer:</b>	1 No. x 1250 KVA
	<b>DG set as Power back-up during operation phase:</b>	1 No. x 500 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:

- Use of CFL / T5 lamps in common area
- Auto Timer control for external & common lighting.
- Rehab building will be provided with CFL lamps
- Common area / external lighting on timers
- Multiple circuits for lighting
- Group control for elevators

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


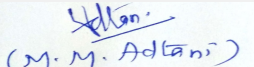
Serial Number	Energy Conservation Measures	Saving %
1	1. Use of LED Fittings (12 W) instead of CFL fittings . Difference between 18W CFL and 12W LED lamp is 6 W which comes to 33% of energy saving 2. Use of Group controls and Variable speed drives. 3. Use of BEE Certified Motors 4.	23.98
2	Solar Power generation	10.16

#### 50. Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Domestic wastewater	Not applicable	STP
Solid waste	Not applicable	Proper collection, segregation, handling, storage and disposal facility
Air emission from DG set	Not applicable	Adequate stack height

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs. 40 Lakhs
	<b>O &amp; M cost:</b>	Rs. 2.0 Lakhs/Annum

#### 51. Environmental Management plan Budgetary Allocation

 (Dr. B. N. Patil) Member Secretary SEAC (MMR) <b>DR. B.N.Patil (Secretary SEAC-II)</b>	<b>SEAC Meeting No: 58 (Day 1) Meeting Date:</b> <b>April 5, 2018</b>	<b>Page 67</b> <b>of 145</b>	 (M. M. Adtani) <b>Shri M.M.Adtani (Chairman SEAC-II)</b>
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<b>a) Construction phase (with Break-up):</b>			
Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Dust generation	Water for Dust Suppression	4.0
2	Workers/labourers	Site Sanitation & Safety	2.5
3	Air, water, noise	Environmental Monitoring	3.0
4	-	Disinfection	3.0
5	All relevant parameters	Health Check up	3.2

<b>b) Operation Phase (with Break-up):</b>				
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Wastewater	STP	30.0	8.0
2	Solid waste	Solid Waste Management	9.0	0.3
3	Green Area	Green Belt development	8.0	0.3
4	Energy	Energy conservation	40.0	2.0
5	Air, water, noise, soil	Environment Monitoring	-	3.0
6	Ground water recharge	Rain Water Harvesting	3.0	0.2

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

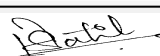
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

**52.Any Other Information**

No Information Available

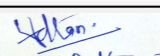
**53.Traffic Management**

	<b>Nos. of the junction to the main road &amp; design of confluence:</b>	Project Architect has designed the master plan for proposed development. Master plan has provided sufficient access points to the proposed development with an objective to facilitate circulation and dispersal of traffic. • Overall site size of the project is too small to accommodate vehicle ramps between parking floors hence Project Architect has designed a master plan layout with parking facility with two (2) car elevators considering the site space constraint. • Proposed development has proved
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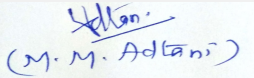
  
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<b>Parking details:</b>	<b>Number and area of basement:</b>	1 No. x 746 sq. m area
	<b>Number and area of podia:</b>	1 Podium Level at 15th floor, total area of 371.36 sq. m
	<b>Total Parking area:</b>	Parking is provided on 1st to 14th floors of the building A and Area = 4537.22 sq. m
	<b>Area per car:</b>	L (2.50 x 5.50 = 13.75 Sq. m) & S (2.30 x 4.50 = 10.35 Sq. m)
	<b>Area per car:</b>	L (2.50 x 5.50 = 13.75 Sq. m) & S (2.30 x 4.50 = 10.35 Sq. m)
	<b>Number of 2-Wheelers as approved by competent authority:</b>	NA
	<b>Number of 4-Wheelers as approved by competent authority:</b>	For Building A: 121 Nos. & For Building B: 14 Nos.
	<b>Public Transport:</b>	Auto rickshaw stand within 200 m from entrance gate.
	<b>Width of all Internal roads (m):</b>	6
	<b>CRZ/ RRZ clearance obtain, if any:</b>	CRZ Clearance NOC received from Environment Department via letter No. CRZ 2014/CR 82/ TC 4 dated 13/04/2015
	<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>	'B'
	<b>Court cases pending if any</b>	NA
	<b>Other Relevant Informations</b>	NA
	<b>Have you previously submitted Application online on MOEF Website.</b>	Yes
	<b>Date of online submission</b>	26-04-2016
<b>SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS</b>		
Not Available.		
<b>Brief information of the project by SEAC</b>		
Environment Clearance for 8(a) Building & construction projects, B2 Category on Property bearing C.S. No. 695, 1/696 & 697 at Sitladevi Temple road, Mahim, Mumbai, Maharashtra.		
<b>DECISION OF SEAC</b>		

  
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 (M. M. Adtani)  
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PP remained absent.

**Specific Conditions by SEAC:**

## FINAL RECOMMENDATION

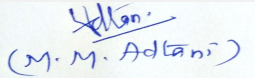
SEAC-II decided to defer the proposal till PP submits the additional information as per above conditions within 30 days

SEAC-AGENDA-00000000068

  
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SEAC-II)**

## State Expert Appraisal Committee (SEAC-2)

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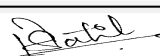
**Subject:** Environment Clearance for Application for environment clearance in Proposed Residential Project at Vasind" at Plot bearing Sr. No. 114 Part,115, 116,and 120/4, Vashind , Shahapur, Thane, Maharashtra by Subal Investment & Purple Residencies

**Is a Violation Case:** No

<b>1.Name of Project</b>	"Proposed Residential Project at Vasind" at Plot bearing Sr. No. 114 Part,115, 116,and 120/4, Vashind , Shahapur, Thane, Maharashtra by Subal Investment & Purple Residencies
<b>2.Type of institution</b>	Private
<b>3.Name of Project Proponent</b>	Mr. Manoj Lalwani, Director Subal Investment & Purple Residencies
<b>4.Name of Consultant</b>	Mahabal Enviro Engineers Pvt. Ltd., F-7, Road No. 21, Wagle Estate, Thane (West)-400604, Maharashtra
<b>5.Type of project</b>	Residential and commercial Project
<b>6.New project/expansion in existing project/modernization/diversification in existing project</b>	New Project
<b>7.If expansion/diversification, whether environmental clearance has been obtained for existing project</b>	Not applicable
<b>8.Location of the project</b>	On Plot bearing S No. 114 Part,115, 116,and 120/4 at villageVasind, Taluka Shahapur, Dist Thane
<b>9.Taluka</b>	Shahapur
<b>10.Village</b>	Vasind
<b>11.Area of the project</b>	Town Planning Department, Collector Office, Thane
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	We have received Certificate of Incorporation having no 43777 of 1987 <b>IOD/IOA/Concession/Plan Approval Number:</b> We have received Certificate of Incorporation having no 43777 of 1987 <b>Approved Built-up Area:</b> 42776.73
<b>13.Note on the initiated work (If applicable)</b>	No work has been initiated
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	Not Applicable
<b>15.Total Plot Area (sq. m.)</b>	39,340.00
<b>16.Deductions</b>	8,963.86
<b>17.Net Plot area</b>	30,554.82
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> 42,675.10 <b>b) Non FSI area (sq. m.):</b> 18,115.23 <b>c) Total BUA area (sq. m.):</b> 60790
<b>18 (b).Approved Built up area as per DCR</b>	<b>Approved FSI area (sq. m.):</b> <b>Approved Non FSI area (sq. m.):</b> <b>Date of Approval:</b>
<b>19.Total ground coverage (m2)</b>	Total plinth area 5,757
<b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>	14.63
<b>21.Estimated cost of the project</b>	752800000

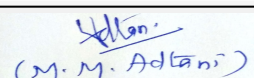
### 22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	1	Ground + 7 floors	23.8
2	2	Ground + 7 floors	23.8

  
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3	3	Ground + 7 floors	23.8
4	4	Ground + 7 floors	23.8
5	5	Ground + 7 floors	23.8
6	6	Ground + 7 Floors	23.8
7	7	Ground + 7 floors	23.8
8	8	Ground + 7 floors	23.8
9	9	Ground + 7 floors	23.8
10	Commercial Building	Ground + 1 floors	7.65

<b>23.Number of tenants and shops</b>	1,176 tenements & 34 Shops
<b>24.Number of expected residents / users</b>	6,042 users
<b>25.Tenant density per hectare</b>	307.89/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>	DP Road 24 m wide & Internal road 6 m Wide
<b>28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation</b>	6 m
<b>29.Existing structure (s) if any</b>	No
<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

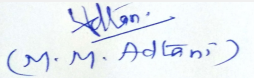


Dry season:	Source of water	TMC							
	Fresh water (CMD):	540							
	Recycled water - Flushing (CMD):	266							
	Recycled water - Gardening (CMD):	26							
	Swimming pool make up (Cum):	Not Applicable							
	Total Water Requirement (CMD) :	806							
	Fire fighting - Underground water tank(CMD):	169							
	Fire fighting - Overhead water tank(CMD):	50							
	Excess treated water	374							
Wet season:	Source of water	TMC							
	Fresh water (CMD):	540							
	Recycled water - Flushing (CMD):	266							
	Recycled water - Gardening (CMD):	14							
	Swimming pool make up (Cum):	Not Applicable							
	Total Water Requirement (CMD) :	806							
	Fire fighting - Underground water tank(CMD):	169							
	Fire fighting - Overhead water tank(CMD):	50							
	Excess treated water	386							
Details of Swimming pool (If any)	Not Applicable								
<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

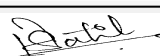
  
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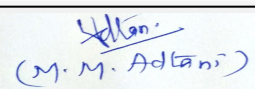
  
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<b>34. Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	3 m below ground level
	<b>Size and no of RWH tank(s) and Quantity:</b>	4 no. of rain water harvesting tank
	<b>Location of the RWH tank(s):</b>	underground
	<b>Quantity of recharge pits:</b>	Not applicable
	<b>Size of recharge pits :</b>	Not Applicable
	<b>Budgetary allocation (Capital cost) :</b>	Rs.24.5 lakh
	<b>Budgetary allocation (O &amp; M cost) :</b>	Rs. 1.2 lakh/year
	<b>Details of UGT tanks if any :</b>	Domestic UGT Tank capacity: 534.05 m3 Flushing UGT Tank capacity : 283.42 m3 Fire UGT Tank capacity : 169 m3
<b>35. Storm water drainage</b>	<b>Natural water drainage pattern:</b>	along the road side
	<b>Quantity of storm water:</b>	0.1599 m3/sec
	<b>Size of SWD:</b>	width 300 mm * Depth 450 mm
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	686 m3/ day
	<b>STP technology:</b>	Moving Bed Bio Rector (MBBR)
	<b>Capacity of STP (CMD):</b>	754 m3/day
	<b>Location &amp; area of the STP:</b>	on ground
	<b>Budgetary allocation (Capital cost):</b>	Rs.25 lakh
	<b>Budgetary allocation (O &amp; M cost):</b>	Rs. 2.5 lakh/year
<b>36. Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	14,700 m3
	<b>Disposal of the construction waste debris:</b>	Debris generated will be sent to the authorized debris disposal site as per "Construction and Demolition and De-silting Waste (Management and Disposal) Rules 2006.
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	595 kg/day
	<b>Wet waste:</b>	1,081 kg/day
	<b>Hazardous waste:</b>	Not applicable
	<b>Biomedical waste (If applicable):</b>	Not Applicable
	<b>STP Sludge (Dry sludge):</b>	7 kg/day
	<b>Others if any:</b>	Inert Waste 126 kg/day

  
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<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Dry garbage will be segregated and disposed of to recycles.
	<b>Wet waste:</b>	Wet garbage will be composted and used as manure for landscaping
	<b>Hazardous waste:</b>	Not applicable
	<b>Biomedical waste (If applicable):</b>	Not Applicable
	<b>STP Sludge (Dry sludge):</b>	Used as manure
	<b>Others if any:</b>	Not Applicable
<b>Area requirement:</b>	<b>Location(s):</b>	on ground
	<b>Area for the storage of waste &amp; other material:</b>	Provided
	<b>Area for machinery:</b>	167.47 m2
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs. 3.5 Lakh
	<b>O &amp; M cost:</b>	Rs. 0.5 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

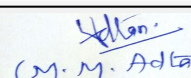
### 40. Details of Fuel to be used

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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<b>43.Green Belt Development</b>	<b>Total RG area :</b>	4,367
	<b>No of trees to be cut :</b>	Nil
	<b>Number of trees to be planted :</b>	90
	<b>List of proposed native trees :</b>	provided
	<b>Timeline for completion of plantation :</b>	1 to 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	Saraca Ashoka	Ashoka	18	Flowering
2	Grevillea Robusta	Silver Oak	18	Aesthetic
3	Swieteria Macrophylla	Mahogani Tree	18	Fruit Bearing
4	Azadirachta Indica	Neem	18	Medicinal
5	Samanea Saman	Rain Tree	18	Shady

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


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

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

#### 47.Energy

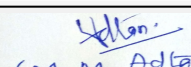
<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	300 kVA
	<b>DG set as Power back-up during construction phase</b>	-
	<b>During Operation phase (Connected load):</b>	3,817 kW
	<b>During Operation phase (Demand load):</b>	4,771 kVA
	<b>Transformer:</b>	-
	<b>DG set as Power back-up during operation phase:</b>	4 nos. of DG set having total capacity is 1,290 kVA (2 Nos. * 320 kVA + 1 No. * 500 kVA+ 1 No. * 150 kVA)
	<b>Fuel used:</b>	As per requirement
	<b>Details of high tension line passing through the plot if any:</b>	Yes

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

  
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CFL/T5 for parking & staircase  
 LED lamp for lift lobby  
 VFD for lift and high efficient pump  
 BEE certified electrical motors  
 Solar street lights are proposed in areas such as open space, pathways, RG etc.

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

Serial Number	Energy Conservation Measures	Saving %
1	Solar light , CFL/T5	>1%

#### 50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 40 Lakh
	O & M cost:	Rs. 3.5 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 for Dust Suppression	pH, Colour, odour, turbidity, Total hardness	1.0
2	Air & Noise Monitoring	SPM, SO2, NO2	0.8
3	Soil erosion control	Water sprinkling	1.8
4	Water Monitoring	pH, colour, odour, Turbidity, Total Hardness, Metal	1.2
5	Site Sanitation	Disinfection	1.6
6	Gardening Set up	Soil and Water	1.4
7	Disinfection - Pest Control	Disinfection	2.0
8	First Aid Facilities	First Aid Box	0.01
9	Health Check Up	monthly	1.5/year
10	Training and awareness	daily	1.0
11	Personal Protective Equipments	Safety jacket, Safety shoes, Helmate, Belt	3.5

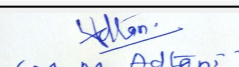
##### b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	sewage Treatment Plant	Installation of STP and Maintainance	25.0	2.5
2	Landscape Development	Plantation and Maintainance	4.5	0.5
3	Solid Waste Composting	Collection bins and OWC machine installation and maintainance	3.5	0.5

  
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4	Rain Water Harvesting	Tank Construction And Maintainance	24.5	1.2
5	Storm Water Management	Channelization and Maintainance	30.0	2.5
6	Fire Fighting	Fire Safety Equipments and fire Safety Measures	10.0	1.0
7	Energy Conservation	Energy conservation measures	40.0	3.5
8	Environmental Monitoring	water,soil,air and Noise Monitoring	15.0	2.4

### 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

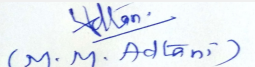
### 53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1 no of junction and 24 m wide DP Road
Parking details:	Number and area of basement:	Not Applicable
	Number and area of podia:	Not Applicable
	Total Parking area:	4,706.5 m <sup>2</sup>
	Area per car:	27.5 m <sup>2</sup>
	Area per car:	27.5 m <sup>2</sup>
	Number of 2-Wheelers as approved by competent authority:	Scooter: 1,656 Nos. and Cycle 1,635 Nos.
	Number of 4-Wheelers as approved by competent authority:	20 Nos.
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	6 m
	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>	Not applicable
	<b>Category as per schedule of EIA Notification sheet</b>	8 a (B2)
	<b>Court cases pending if any</b>	Not Applicable
	<b>Other Relevant Informations</b>	We already submitted project on Moef having proposal No: SIA/MH/NCP/58291/2016 on dated 10 August 2016.
	<b>Have you previously submitted Application online on MOEF Website.</b>	Yes
	<b>Date of online submission</b>	10-08-2016

## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Not Available.

### Brief information of the project by SEAC

Application for environment clearance in Proposed Residential Project at Vasind"at Plot bearing Sr. No. 114 Part,115, 116,and 120/4, Vashind , Shahapur, Thane, Maharashtra by Subal Investment & Purple Residencies.

PP was not present for the meeting. Representative of PP present for the meeting have not any authority letter to present the case.


### DECISION OF SEAC

Therefor Committee decided to defer the proposal.

**Specific Conditions by SEAC:**

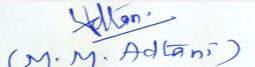
### FINAL RECOMMENDATION

SEAC-II decided to defer the proposal till PP submits the additional information as per above conditions within 30 days

  
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## State Expert Appraisal Committee (SEAC-2)

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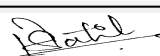
**Subject:** Environment Clearance for Raheja Exotica Proposed Tower No. 10 & 11

**Is a Violation Case:** No

<b>1.Name of Project</b>	Raheja Exotica Proposed Tower No. 10 & 11
<b>2.Type of institution</b>	Private
<b>3.Name of Project Proponent</b>	M/s Raheja Universal Pvt. Ltd.
<b>4.Name of Consultant</b>	Project Proponent : M/s. Raheja Universal Pvt. Ltd.; Architect : M/s. Sunil Ambre and Associates; Environmental Consultant : M/s. Enviro Analysts and Engineers Pvt. Ltd.; MEP Consultant : M/s. John Mech-el Technologies Pvt Ltd.
<b>5.Type of project</b>	Housing Project
<b>6.New project/expansion in existing project/modernization/diversification in existing project</b>	Modernization in Housing Project
<b>7.If expansion/diversification, whether environmental clearance has been obtained for existing project</b>	Environmental clearance obtained for Building 5, 6, 7, 8, & 9 on 21st June 2016 Vide letter no. SEAC-2015/CR-131/TC-1. Buildings completed prior to EC - bldg. no. 1, 2, 3, 4 club house and 15 villas.
<b>8.Location of the project</b>	CTS NO 1965, 2053/B, 2053/C, & C1, 2053D, 2053E, 2055B, & 2055/C, village Erangal, Patilwadi Road, Malad(W).
<b>9.Taluka</b>	Borivali
<b>10.Village</b>	Erangal
<b>11.Area of the project</b>	Municipal Corporation of Greater Mumbai
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	Layout Obtained (No.CHE/702/LOP dated 5th November 2014)
	<b>IOD/IOA/Concession/Plan Approval Number:</b> Layout Obtained (No.CHE/702/LOP dated 5th November 2014)
	<b>Approved Built-up Area:</b> 40296
<b>13.Note on the initiated work (If applicable)</b>	NA
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	Layout Obtained (No.CHE/702/LOP dated 5th November 2014)
<b>15.Total Plot Area (sq. m.)</b>	124078.40 sq.m.
<b>16.Deductions</b>	35778.73 sq.m.
<b>17.Net Plot area</b>	88299.67 sq.m.
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> 34126
	<b>b) Non FSI area (sq. m.):</b> 6170
	<b>c) Total BUA area (sq. m.):</b> 40296
<b>18 (b).Approved Built up area as per DCR</b>	<b>Approved FSI area (sq. m.):</b>
	<b>Approved Non FSI area (sq. m.):</b>
	<b>Date of Approval:</b>
<b>19.Total ground coverage (m2)</b>	14488.98
<b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>	16.4%
<b>21.Estimated cost of the project</b>	1550000000

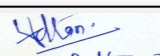
### 22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Tower No 10	B1 + LG + GR + 37 Residential Floors	122.95 m (till terrace slab level)
2	Tower No 11	3B + GR + 18 Residential Floors	63.00 m (till terrace slab level)

  
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<b>23.Number of tenants and shops</b>	Tower no 10 : 107 units Tower no 11 : 16 units
<b>24.Number of expected residents / users</b>	Tower No 10 : 535 nos ; Tower No 11 : 80 nos.
<b>25.Tenant density per hectare</b>	162
<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>	Access through 13.41M Wide Pascal Wadi Road and rear road 27.44m
<b>28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation</b>	9 Mtrs
<b>29.Existing structure (s) if any</b>	15 No. of Villas (GR + 1 FLOOR) Club House (GR FLOOR); Tower 1A & B - 1B + 1 S + 9 Floors; Tower 2A & B - 2B + 1S + 11 Floors; Tower 3 - 3B + 1S + 11 Floors; Tower 4A & B - 1B +1S + 11Floors; Tower 5 A&B - B3 + B2 + B1 + GR + 36 Floors; Tower 6A & B - B2 + B1 + GR + 36 Floors; Tower 7A,B,C - B2 + B1 + GR + 20 Floors; Tower 8A&B - B3 + B2 + B1 + GR + 36 Floors; Tower9A - B2 + B1 + LG + UG + 37 FLOORS ;Tower 9B - B2 + B1 + LG + UG + 04 FLOORS
<b>30.Details of the demolition with disposal (If applicable)</b>	BUA of Villas (Villa No. 15, Villa No. 18, Villa No. 19 & Villa No. 24) to be demolished is 1,285.82 sq.mt.

### 31.Production Details

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

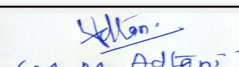
### 32.Total Water Requirement

<b>Dry season:</b>	<b>Source of water</b>	MCGM / treated water from STP
	<b>Fresh water (CMD):</b>	56.59 KLD
	<b>Recycled water - Flushing (CMD):</b>	30.15 KLD
	<b>Recycled water - Gardening (CMD):</b>	24.5 KLD
	<b>Swimming pool make up (Cum):</b>	NA
	<b>Total Water Requirement (CMD) :</b>	118.64 KLD
	<b>Fire fighting - Underground water tank(CMD):</b>	300 KLD
	<b>Fire fighting - Overhead water tank(CMD):</b>	75 KLD
	<b>Excess treated water</b>	10.5 KLD

  
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Wet season:	Source of water	MCGM/RWH/ treated water from STP
	Fresh water (CMD):	29.73 KLD + 27 KLD(RWH)
	Recycled water - Flushing (CMD):	30.15 KLD
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	67.33 KLD
	Fire fighting - Underground water tank(CMD):	300 KLD
	Fire fighting - Overhead water tank(CMD):	75 KLD
	Excess treated water	35 KLD

Details of Swimming pool (If any)


NA

### 33.Details of Total water consumed

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

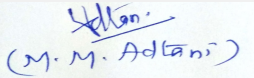
### 34.Rain Water Harvesting (RWH)

Level of the Ground water table:	26m
Size and no of RWH tank(s) and Quantity:	Tower no 10 : 4.2m x 4.02m x 3.0m(40kld) ; Tower no 11 : 2.5m x 2.1m x 3.0m(14kld) ; Total : 54 KLD
Location of the RWH tank(s):	Tower no 10 : Basement 1 & Tower no 11 : Basement 3
Quantity of recharge pits:	4 percolation pits have been provided. UG tanks have been provided for terrace rain water collection.
Size of recharge pits :	2.5m diameter
Budgetary allocation (Capital cost) :	16 Lakhs
Budgetary allocation (O & M cost) :	6 Lakhs
Details of UGT tanks if any :	Domestic Water Tank : 60 KLD Flushing Water Tank : 60 KLD ( Including Car & Irrigation) Fire Water Tank : 300 KLD RWH Tank : 54 KLD Tower no 10 : Basement 1 & Tower no 11 : Basement 3


  
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<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	Connecting With Main SWD Channel of the plot
	<b>Quantity of storm water:</b>	(0.0633 + 0.03224) KLD / Second
	<b>Size of SWD:</b>	(0.6 x 0.3 + 0.6 x 0.3) Meters
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	76.74 KLD
	<b>STP technology:</b>	MBBR
	<b>Capacity of STP (CMD):</b>	Tower No 10 : 70KLD ; Tower No 11 : 10 KLD ; Total : 80 KLD
	<b>Location &amp; area of the STP:</b>	B1 (Tower No 10) ; B1 (Tower No 11)
	<b>Budgetary allocation (Capital cost):</b>	40 Lakhs
	<b>Budgetary allocation (O &amp; M cost):</b>	12.5 Lakhs
<b>36.Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	Construction has not yet commenced at Site.
	<b>Disposal of the construction waste debris:</b>	Construction has not yet commenced at Site.
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	147 KG /DAY
	<b>Wet waste:</b>	222 KG / Day
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	8 kg/day
	<b>Others if any:</b>	NA
<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	To be handed over to Local Recyclers for recycling.
	<b>Wet waste:</b>	To be processed in the OWC. Manure obtained shall be used for landscaping / Gardening, Excess manure shall be sold to nearby end users.
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	To be used as a manure
	<b>Others if any:</b>	NA
<b>Area requirement:</b>	<b>Location(s):</b>	Ground
	<b>Area for the storage of waste &amp; other material:</b>	(7MX4M)+ (7MX4M) (including storage, machinery setup OWC, shredder, storage rack, bins, wash basin etc)
	<b>Area for machinery:</b>	Same as above
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	25 Lakhs
	<b>O &amp; M cost:</b>	3.9 Lakhs
<b>37.Effluent Charecterestics</b>		

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

### 38.Hazardous Waste Details

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

### 39.Stacks emission Details

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

### 40.Details of Fuel to be used

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

41.Source of Fuel

Not applicable

42.Mode of Transportation of fuel to site


Not applicable

### 43.Green Belt Development

<b>Total RG area :</b>	RG area provided on ground for the Entire Project is 30,323.34 sq.m
<b>No of trees to be cut :</b>	123 nos
<b>Number of trees to be planted :</b>	New trees proposed for planting - 154 nos; No. of trees to be planted against the tree cut- 246 nos
<b>List of proposed native trees :</b>	As mentioned in the List of proposed plantation on ground
<b>Timeline for completion of plantation :</b>	At the time of completion of the project

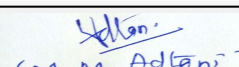
### 44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Wodyetia Bifurcata	Foxtail palm	122	As mentioned
2	Lagerstromea	Crape Myrtle Tree	75	As mentioned
3	Cordia sebstina	Cordia	75	As mentioned

  
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4	Milingtonia hortensis	Milingtonia	42	As mentioned
5	Bakain (Persian Lilac)	Melia azaedirach	22	As mentioned
6	Feliciium decipiens	Fern Tree	64	As mentioned
7	TOTAL	TOTAL	400	As mentioned

**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	As per recommendations	As per recommendations	As per recommendations

**47.Energy**

<b>Power requirement:</b>	<b>Source of power supply :</b>	Tata
	<b>During Construction Phase: (Demand Load)</b>	150 KVA
	<b>DG set as Power back-up during construction phase</b>	200 KVA
	<b>During Operation phase (Connected load):</b>	6,469 KW
	<b>During Operation phase (Demand load):</b>	2,103 KW
	<b>Transformer:</b>	as per electrical supply company
	<b>DG set as Power back-up during operation phase:</b>	630 KVA for Tower 10 & 900 KVA for Tower 11
	<b>Fuel used:</b>	high speed diesel
	<b>Details of high tension line passing through the plot if any:</b>	no high tension line within the plot

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


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

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

Serial Number	Energy Conservation Measures	Saving %
1	Tower No 10	19.75 %
2	Tower No 11	20.33%

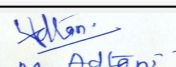
**50.Details of pollution control Systems**

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

  
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<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	50 Lakhs
	<b>O &amp; M cost:</b>	8 Lakhs

## 51.Environmental Management plan Budgetary Allocation

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

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water sprinkling	Water sprinkling	10
2	Health, safety & first aid facility	Health, safety & first aid facility	8
3	Sanitary facility and waste water management	Sanitary facility and waste water management	12
4	Environmental Monitoring (Noise, Water & Soil-Project site (4 times a year)	Environmental Monitoring (Noise, Water & Soil-Project site (4 times a year)	20
5	Total	Total	50

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

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Water Management	STP	40	12.5
2	Water Management	Rain water harvesting	16	6
3	Energy	Energy Saving	50	8
4	Landscaping	Gardening	37	18
5	Solid waste management	OWC	25	3.9
6	Fire Fighting	Fire fighting equipments	339	17
7	Total	Total	507	65.4

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

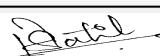
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

## 52.Any Other Information

No Information Available

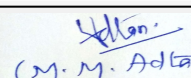
## 53.Traffic Management

	<b>Nos. of the junction to the main road &amp; design of confluence:</b>	The project site is accessible through the existing 13.41 M W Pascal Wadi Road and rear road 27.44m
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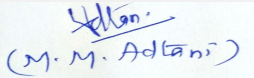
  
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<b>Parking details:</b>	<b>Number and area of basement:</b>	Tower No 10 : 2nos (9,150.20 sq.m.) ; Tower No 11 : 3nos. (4,147.21sq.m.)
	<b>Number and area of podia:</b>	NA
	<b>Total Parking area:</b>	Tower No 10 : 9,150.20 sq.m. ; Tower No 11 : 4,147.21 sq.m.
	<b>Area per car:</b>	34.6 sqm
	<b>Area per car:</b>	34.6 sqm
	<b>Number of 2-Wheelers as approved by competent authority:</b>	Tower No 10 : 25nos. ; Tower no. 11: 25 nos.
	<b>Number of 4-Wheelers as approved by competent authority:</b>	Tower No 10 : 268nos. ; Tower no. 11: 48 nos.
	<b>Public Transport:</b>	NA
	<b>Width of all Internal roads (m):</b>	9m
<b>CRZ/ RRZ clearance obtain, if any:</b>	CRZ clearance obtained dated 16/10/2001 (TPB 2001/1565/CR-189/2001/UD-12 )	
<b>Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries</b>	The project site is 9.81 Km away (aerial distance) from Sanjay Gandhi National Park.	
<b>Category as per schedule of EIA Notification sheet</b>	B2-8(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>	24-04-2017	
<b>SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS</b>		
Not Available.		
<b>Brief information of the project by SEAC</b>		

 <small>(Dr. B. N. Patil) Member Secretary SEAC (MMR)</small> <b>DR. B.N.Patil (Secretary SEAC-II)</b>	<b>SEAC Meeting No: 58 (Day 1) Meeting Date: April 5, 2018</b>	<b>Page 87 of 145</b>	 <small>(M. M. Adtani)</small> <b>Shri M.M.Adtani (Chairman SEAC-II)</b>
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Environment Clearance for Raheja Exotica Proposed Tower No. 10 & 11 on CTS NO 1965, 2053/B, 2053/C, & C1, 2053D, 2053E, 2055B, & 2055/C, village Erangal, Patilwadi Road, Malad(W).

PP submitted their application for prior Environmental clearance for total plot area of 88299.67 Sq. Meters., Total BUA of 40296 Sq. Mtrs. and FSI area of 34126 Sq. Mtrs. It is proposed to construct buildings having maximum heights of 122.95 meters.

PP informed that project has earlier EC dated 21/06/2016 for total construction area of 338665.03 sq mtrs. PP also informed that about 95654.60 sq. mtrs construction is done on site as per earlier EC. PP also informed that he has proposed to construct 2 towers (no. 10 and 11) by demolition of existing 4 nos. of villas in respect with other buildings for which earlier EC is received.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8 (a) B2.

## DECISION OF SEAC


After deliberation committee decided to defer the proposal for compliance as above.

### Specific Conditions by SEAC:

- 1) PP to submit and upload the layout submitted for earlier EC showing RG.
- 2) PP to revise EIA report submitted for earlier EC considering proposed expansion and upload the same.
- 3) PP should not computed TDR and FSI of CRZ area in total built up area of the proposed expansion

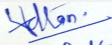
## FINAL RECOMMENDATION

SEAC-II decided to defer the proposal till PP submits the additional information as per above conditions within 30 days

  
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SEAC-II)**



## State Expert Appraisal Committee (SEAC-2)

**SEAC Meeting number: 58 (Day 1) Meeting Date April 5, 2018**


**Subject:** Environment Clearance for Raheja Exotica Proposed Tower No. 10 & 11

**Is a Violation Case:** No

<b>1.Name of Project</b>	Raheja Exotica Proposed Tower No. 10 & 11
<b>2.Type of institution</b>	Private
<b>3.Name of Project Proponent</b>	M/s Raheja Universal Pvt. Ltd.
<b>4.Name of Consultant</b>	Project Proponent : M/s. Raheja Universal Pvt. Ltd.; Architect : M/s. Sunil Ambre and Associates; Environmental Consultant : M/s. Enviro Analysts and Engineers Pvt. Ltd.; MEP Consultant : M/s. John Mech-el Technologies Pvt Ltd.
<b>5.Type of project</b>	Housing Project
<b>6.New project/expansion in existing project/modernization/diversification in existing project</b>	Modernization in Housing Project
<b>7.If expansion/diversification, whether environmental clearance has been obtained for existing project</b>	Environmental clearance obtained for Building 5, 6, 7, 8, & 9 on 21st June 2016 Vide letter no. SEAC-2015/CR-131/TC-1. Buildings completed prior to EC - bldg. no. 1, 2, 3, 4 club house and 15 villas.
<b>8.Location of the project</b>	CTS NO 1965, 2053/B, 2053/C, & C1, 2053D, 2053E, 2055B, & 2055/C, village Erangal, Patilwadi Road, Malad(W).
<b>9.Taluka</b>	Borivali
<b>10.Village</b>	Erangal
<b>11.Area of the project</b>	Municipal Corporation of Greater Mumbai
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	Layout Obtained (No.CHE/702/LOP dated 5th November 2014)
	<b>IOD/IOA/Concession/Plan Approval Number:</b> Layout Obtained (No.CHE/702/LOP dated 5th November 2014)
	<b>Approved Built-up Area:</b> 40296
<b>13.Note on the initiated work (If applicable)</b>	NA
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	Layout Obtained (No.CHE/702/LOP dated 5th November 2014)
<b>15.Total Plot Area (sq. m.)</b>	124078.40 sq.m.
<b>16.Deductions</b>	35778.73 sq.m.
<b>17.Net Plot area</b>	88299.67 sq.m.
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> 34126
	<b>b) Non FSI area (sq. m.):</b> 6170
	<b>c) Total BUA area (sq. m.):</b> 40296
<b>18 (b).Approved Built up area as per DCR</b>	<b>Approved FSI area (sq. m.):</b>
	<b>Approved Non FSI area (sq. m.):</b>
	<b>Date of Approval:</b>
<b>19.Total ground coverage (m2)</b>	14488.98
<b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>	16.4%
<b>21.Estimated cost of the project</b>	1550000000

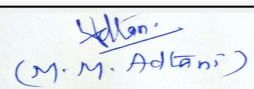
### 22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Tower No 10	B1 + LG + GR + 37 Residential Floors	122.95 m (till terrace slab level)
2	Tower No 11	3B + GR + 18 Residential Floors	63.00 m (till terrace slab level)

  
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<b>23.Number of tenants and shops</b>	Tower no 10 : 107 units Tower no 11 : 16 units
<b>24.Number of expected residents / users</b>	Tower No 10 : 535 nos ; Tower No 11 : 80 nos.
<b>25.Tenant density per hectare</b>	162
<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>	Access through 13.41M Wide Pascal Wadi Road and rear road 27.44m
<b>28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation</b>	9 Mtrs
<b>29.Existing structure (s) if any</b>	15 No. of Villas (GR + 1 FLOOR) Club House (GR FLOOR); Tower 1A & B - 1B + 1 S + 9 Floors; Tower 2A & B - 2B + 1S + 11 Floors; Tower 3 - 3B + 1S + 11 Floors; Tower 4A & B - 1B +1S + 11Floors; Tower 5 A&B - B3 + B2 + B1 + GR + 36 Floors; Tower 6A & B - B2 + B1 + GR + 36 Floors; Tower 7A,B,C - B2 + B1 + GR + 20 Floors; Tower 8A&B - B3 + B2 + B1 + GR + 36 Floors; Tower9A - B2 + B1 + LG + UG + 37 FLOORS ;Tower 9B - B2 + B1 + LG + UG + 04 FLOORS
<b>30.Details of the demolition with disposal (If applicable)</b>	BUA of Villas (Villa No. 15, Villa No. 18, Villa No. 19 & Villa No. 24) to be demolished is 1,285.82 sq.mt.

### 31.Production Details

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

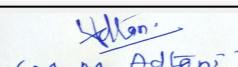
### 32.Total Water Requirement

<b>Dry season:</b>	<b>Source of water</b>	MCGM / treated water from STP
	<b>Fresh water (CMD):</b>	56.59 KLD
	<b>Recycled water - Flushing (CMD):</b>	30.15 KLD
	<b>Recycled water - Gardening (CMD):</b>	24.5 KLD
	<b>Swimming pool make up (Cum):</b>	NA
	<b>Total Water Requirement (CMD) :</b>	118.64 KLD
	<b>Fire fighting - Underground water tank(CMD):</b>	300 KLD
	<b>Fire fighting - Overhead water tank(CMD):</b>	75 KLD
	<b>Excess treated water</b>	10.5 KLD

  
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Wet season:	Source of water	MCGM/RWH/ treated water from STP
	Fresh water (CMD):	29.73 KLD + 27 KLD(RWH)
	Recycled water - Flushing (CMD):	30.15 KLD
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	67.33 KLD
	Fire fighting - Underground water tank(CMD):	300 KLD
	Fire fighting - Overhead water tank(CMD):	75 KLD
	Excess treated water	35 KLD

Details of Swimming pool (If any)


NA

### 33.Details of Total water consumed

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

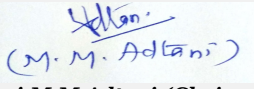
### 34.Rain Water Harvesting (RWH)

Level of the Ground water table:	26m
Size and no of RWH tank(s) and Quantity:	Tower no 10 : 4.2m x 4.02m x 3.0m(40kld) ; Tower no 11 : 2.5m x 2.1m x 3.0m(14kld) ; Total : 54 KLD
Location of the RWH tank(s):	Tower no 10 : Basement 1 & Tower no 11 : Basement 3
Quantity of recharge pits:	4 percolation pits have been provided. UG tanks have been provided for terrace rain water collection.
Size of recharge pits :	2.5m diameter
Budgetary allocation (Capital cost) :	16 Lakhs
Budgetary allocation (O & M cost) :	6 Lakhs
Details of UGT tanks if any :	Domestic Water Tank : 60 KLD Flushing Water Tank : 60 KLD ( Including Car & Irrigation) Fire Water Tank : 300 KLD RWH Tank : 54 KLD Tower no 10 : Basement 1 & Tower no 11 : Basement 3


  
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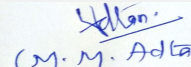
  
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**Shri M.M.Adtani (Chairman  
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<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	Connecting With Main SWD Channel of the plot
	<b>Quantity of storm water:</b>	(0.0633 + 0.03224) KLD / Second
	<b>Size of SWD:</b>	(0.6 x 0.3 + 0.6 x 0.3) Meters
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	76.74 KLD
	<b>STP technology:</b>	MBBR
	<b>Capacity of STP (CMD):</b>	Tower No 10 : 70KLD ; Tower No 11 : 10 KLD ; Total : 80 KLD
	<b>Location &amp; area of the STP:</b>	B1 (Tower No 10) ; B1 (Tower No 11)
	<b>Budgetary allocation (Capital cost):</b>	40 Lakhs
	<b>Budgetary allocation (O &amp; M cost):</b>	12.5 Lakhs
<b>36.Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	Construction has not yet commenced at Site.
	<b>Disposal of the construction waste debris:</b>	Construction has not yet commenced at Site.
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	147 KG /DAY
	<b>Wet waste:</b>	222 KG / Day
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	8 kg/day
	<b>Others if any:</b>	NA
<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	To be handed over to Local Recyclers for recycling.
	<b>Wet waste:</b>	To be processed in the OWC. Manure obtained shall be used for landscaping / Gardening, Excess manure shall be sold to nearby end users.
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	To be used as a manure
	<b>Others if any:</b>	NA
<b>Area requirement:</b>	<b>Location(s):</b>	Ground
	<b>Area for the storage of waste &amp; other material:</b>	(7MX4M)+ (7MX4M) (including storage, machinery setup OWC, shredder, storage rack, bins, wash basin etc)
	<b>Area for machinery:</b>	Same as above
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	25 Lakhs
	<b>O &amp; M cost:</b>	3.9 Lakhs
<b>37.Effluent Charecterestics</b>		

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

### 38.Hazardous Waste Details

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

### 39.Stacks emission Details

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

### 40.Details of Fuel to be used

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

41.Source of Fuel

Not applicable

42.Mode of Transportation of fuel to site


Not applicable

### 43.Green Belt Development

<b>Total RG area :</b>	RG area provided on ground for the Entire Project is 30,323.34 sq.m
<b>No of trees to be cut :</b>	123 nos
<b>Number of trees to be planted :</b>	New trees proposed for planting - 154 nos; No. of trees to be planted against the tree cut- 246 nos
<b>List of proposed native trees :</b>	As mentioned in the List of proposed plantation on ground
<b>Timeline for completion of plantation :</b>	At the time of completion of the project

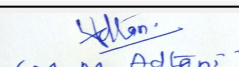
### 44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Wodyetia Bifurcata	Foxtail palm	122	As mentioned
2	Lagerstromea	Crape Myrtle Tree	75	As mentioned
3	Cordia sebstina	Cordia	75	As mentioned

  
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4	Milingtonia hortensis	Milingtonia	42	As mentioned
5	Bakain (Persian Lilac)	Melia azaedirach	22	As mentioned
6	Feliciium decipiens	Fern Tree	64	As mentioned
7	TOTAL	TOTAL	400	As mentioned
<b>45.Total quantity of plants on ground</b>				

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

Serial Number	Name	C/C Distance	Area m2
1	As per recommendations	As per recommendations	As per recommendations

**47.Energy**

<b>Power requirement:</b>	<b>Source of power supply :</b>	Tata
	<b>During Construction Phase: (Demand Load)</b>	150 KVA
	<b>DG set as Power back-up during construction phase</b>	200 KVA
	<b>During Operation phase (Connected load):</b>	6,469 KW
	<b>During Operation phase (Demand load):</b>	2,103 KW
	<b>Transformer:</b>	as per electrical supply company
	<b>DG set as Power back-up during operation phase:</b>	630 KVA for Tower 10 & 900 KVA for Tower 11
	<b>Fuel used:</b>	high speed diesel
	<b>Details of high tension line passing through the plot if any:</b>	no high tension line within the plot

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


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

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

Serial Number	Energy Conservation Measures	Saving %
1	Tower No 10	19.75 %
2	Tower No 11	20.33%

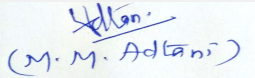
**50.Details of pollution control Systems**

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

  
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<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	50 Lakhs
	<b>O &amp; M cost:</b>	8 Lakhs

## 51.Environmental Management plan Budgetary Allocation

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

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water sprinkling	Water sprinkling	10
2	Health, safety & first aid facility	Health, safety & first aid facility	8
3	Sanitary facility and waste water management	Sanitary facility and waste water management	12
4	Environmental Monitoring (Noise, Water & Soil-Project site (4 times a year)	Environmental Monitoring (Noise, Water & Soil-Project site (4 times a year)	20
5	Total	Total	50

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

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Water Management	STP	40	12.5
2	Water Management	Rain water harvesting	16	6
3	Energy	Energy Saving	50	8
4	Landscaping	Gardening	37	18
5	Solid waste management	OWC	25	3.9
6	Fire Fighting	Fire fighting equipments	339	17
7	Total	Total	507	65.4

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

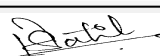
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

## 52.Any Other Information

No Information Available

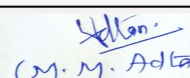
## 53.Traffic Management

	<b>Nos. of the junction to the main road &amp; design of confluence:</b>	The project site is accessible through the existing 13.41 M W Pascal Wadi Road and rear road 27.44m
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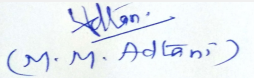


<b>Parking details:</b>	<b>Number and area of basement:</b>	Tower No 10 : 2nos (9,150.20 sq.m.) ; Tower No 11 : 3nos. (4,147.21sq.m.)
	<b>Number and area of podia:</b>	NA
	<b>Total Parking area:</b>	Tower No 10 : 9,150.20 sq.m. ; Tower No 11 : 4,147.21 sq.m.
	<b>Area per car:</b>	34.6 sqm
	<b>Area per car:</b>	34.6 sqm
	<b>Number of 2-Wheelers as approved by competent authority:</b>	Tower No 10 : 25nos. ; Tower no. 11: 25 nos.
	<b>Number of 4-Wheelers as approved by competent authority:</b>	Tower No 10 : 268nos. ; Tower no. 11: 48 nos.
	<b>Public Transport:</b>	NA
	<b>Width of all Internal roads (m):</b>	9m
<b>CRZ/ RRZ clearance obtain, if any:</b>	CRZ clearance obtained dated 16/10/2001 (TPB 2001/1565/CR-189/2001/UD-12 )	
<b>Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries</b>	The project site is 9.81 Km away (aerial distance) from Sanjay Gandhi National Park.	
<b>Category as per schedule of EIA Notification sheet</b>	B2-8(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>	24-04-2017	
<b>SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS</b>		
Not Available.		
<b>Brief information of the project by SEAC</b>		

  
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Environment Clearance for Raheja Exotica Proposed Tower No. 10 & 11 on CTS NO 1965, 2053/B, 2053/C, & C1, 2053D, 2053E, 2055B, & 2055/C, village Erangal, Patilwadi Road, Malad(W).

PP submitted their application for prior Environmental clearance for total plot area of 88299.67 Sq. Meters., Total BUA of 40296 Sq. Mtrs. and FSI area of 34126 Sq. Mtrs. It is proposed to construct buildings having maximum heights of 122.95 meters.

PP informed that project has earlier EC dated 21/06/2016 for total construction area of 338665.03 sq mtrs. PP also informed that about 95654.60 sq. mtrs construction is done on site as per earlier EC. PP also informed that he has proposed to construct 2 towers (no. 10 and 11) by demolition of existing 4 nos. of villas in respect with other buildings for which earlier EC is received.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8 (a) B2.

## DECISION OF SEAC


After deliberation committee decided to defer the proposal for compliance as above.

### Specific Conditions by SEAC:

- 1) PP to submit and upload the layout submitted for earlier EC showing RG.
- 2) PP to revise EIA report submitted for earlier EC considering proposed expansion and upload the same.
- 3) PP should not computed TDR and FSI of CRZ area in total built up area of the proposed expansion

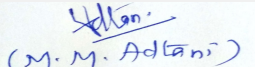
## FINAL RECOMMENDATION

SEAC-II decided to defer the proposal till PP submits the additional information as per above conditions within 30 days

  
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## State Expert Appraisal Committee (SEAC-2)

**SEAC Meeting number: 58 (Day 1) Meeting Date April 5, 2018**

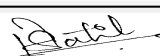
**Subject:** Environment Clearance for Raheja Exotica Proposed Tower No. 10 & 11

**Is a Violation Case:** No

<b>1.Name of Project</b>	Raheja Exotica Proposed Tower No. 10 & 11
<b>2.Type of institution</b>	Private
<b>3.Name of Project Proponent</b>	M/s Raheja Universal Pvt. Ltd.
<b>4.Name of Consultant</b>	Project Proponent : M/s. Raheja Universal Pvt. Ltd.; Architect : M/s. Sunil Ambre and Associates; Environmental Consultant : M/s. Enviro Analysts and Engineers Pvt. Ltd.; MEP Consultant : M/s. John Mech-el Technologies Pvt Ltd.
<b>5.Type of project</b>	Housing Project
<b>6.New project/expansion in existing project/modernization/diversification in existing project</b>	Modernization in Housing Project
<b>7.If expansion/diversification, whether environmental clearance has been obtained for existing project</b>	Environmental clearance obtained for Building 5, 6, 7, 8, & 9 on 21st June 2016 Vide letter no. SEAC-2015/CR-131/TC-1. Buildings completed prior to EC - bldg. no. 1, 2, 3, 4 club house and 15 villas.
<b>8.Location of the project</b>	CTS NO 1965, 2053/B, 2053/C, & C1, 2053D, 2053E, 2055B, & 2055/C, village Erangal, Patilwadi Road, Malad(W).
<b>9.Taluka</b>	Borivali
<b>10.Village</b>	Erangal
<b>11.Area of the project</b>	Municipal Corporation of Greater Mumbai
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	Layout Obtained (No.CHE/702/LOP dated 5th November 2014)
	<b>IOD/IOA/Concession/Plan Approval Number:</b> Layout Obtained (No.CHE/702/LOP dated 5th November 2014)
	<b>Approved Built-up Area:</b> 40296
<b>13.Note on the initiated work (If applicable)</b>	NA
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	Layout Obtained (No.CHE/702/LOP dated 5th November 2014)
<b>15.Total Plot Area (sq. m.)</b>	124078.40 sq.m.
<b>16.Deductions</b>	35778.73 sq.m.
<b>17.Net Plot area</b>	88299.67 sq.m.
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> 34126
	<b>b) Non FSI area (sq. m.):</b> 6170
	<b>c) Total BUA area (sq. m.):</b> 40296
<b>18 (b).Approved Built up area as per DCR</b>	<b>Approved FSI area (sq. m.):</b>
	<b>Approved Non FSI area (sq. m.):</b>
	<b>Date of Approval:</b>
<b>19.Total ground coverage (m2)</b>	14488.98
<b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>	16.4%
<b>21.Estimated cost of the project</b>	1550000000

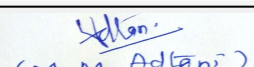
### 22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Tower No 10	B1 + LG + GR + 37 Residential Floors	122.95 m (till terrace slab level)
2	Tower No 11	3B + GR + 18 Residential Floors	63.00 m (till terrace slab level)

  
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<b>23.Number of tenants and shops</b>	Tower no 10 : 107 units Tower no 11 : 16 units
<b>24.Number of expected residents / users</b>	Tower No 10 : 535 nos ; Tower No 11 : 80 nos.
<b>25.Tenant density per hectare</b>	162
<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>	Access through 13.41M Wide Pascal Wadi Road and rear road 27.44m
<b>28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation</b>	9 Mtrs
<b>29.Existing structure (s) if any</b>	15 No. of Villas (GR + 1 FLOOR) Club House (GR FLOOR); Tower 1A & B - 1B + 1 S + 9 Floors; Tower 2A & B - 2B + 1S + 11 Floors; Tower 3 - 3B + 1S + 11 Floors; Tower 4A & B - 1B +1S + 11Floors; Tower 5 A&B - B3 + B2 + B1 + GR + 36 Floors; Tower 6A & B - B2 + B1 + GR + 36 Floors; Tower 7A,B,C - B2 + B1 + GR + 20 Floors; Tower 8A&B - B3 + B2 + B1 + GR + 36 Floors; Tower9A - B2 + B1 + LG + UG + 37 FLOORS ;Tower 9B - B2 + B1 + LG + UG + 04 FLOORS
<b>30.Details of the demolition with disposal (If applicable)</b>	BUA of Villas (Villa No. 15, Villa No. 18, Villa No. 19 & Villa No. 24) to be demolished is 1,285.82 sq.mt.

### 31.Production Details

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

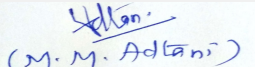
### 32.Total Water Requirement

<b>Dry season:</b>	<b>Source of water</b>	MCGM / treated water from STP
	<b>Fresh water (CMD):</b>	56.59 KLD
	<b>Recycled water - Flushing (CMD):</b>	30.15 KLD
	<b>Recycled water - Gardening (CMD):</b>	24.5 KLD
	<b>Swimming pool make up (Cum):</b>	NA
	<b>Total Water Requirement (CMD) :</b>	118.64 KLD
	<b>Fire fighting - Underground water tank(CMD):</b>	300 KLD
	<b>Fire fighting - Overhead water tank(CMD):</b>	75 KLD
	<b>Excess treated water</b>	10.5 KLD

  
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Wet season:	Source of water	MCGM/RWH/ treated water from STP
	Fresh water (CMD):	29.73 KLD + 27 KLD(RWH)
	Recycled water - Flushing (CMD):	30.15 KLD
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	67.33 KLD
	Fire fighting - Underground water tank(CMD):	300 KLD
	Fire fighting - Overhead water tank(CMD):	75 KLD
	Excess treated water	35 KLD

Details of Swimming pool (If any)


NA

### 33.Details of Total water consumed

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

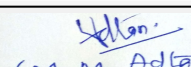
### 34.Rain Water Harvesting (RWH)

Level of the Ground water table:	26m
Size and no of RWH tank(s) and Quantity:	Tower no 10 : 4.2m x 4.02m x 3.0m(40kld) ; Tower no 11 : 2.5m x 2.1m x 3.0m(14kld) ; Total : 54 KLD
Location of the RWH tank(s):	Tower no 10 : Basement 1 & Tower no 11 : Basement 3
Quantity of recharge pits:	4 percolation pits have been provided. UG tanks have been provided for terrace rain water collection.
Size of recharge pits :	2.5m diameter
Budgetary allocation (Capital cost) :	16 Lakhs
Budgetary allocation (O & M cost) :	6 Lakhs
Details of UGT tanks if any :	Domestic Water Tank : 60 KLD Flushing Water Tank : 60 KLD ( Including Car & Irrigation) Fire Water Tank : 300 KLD RWH Tank : 54 KLD Tower no 10 : Basement 1 & Tower no 11 : Basement 3


  
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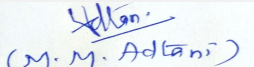
  
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<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	Connecting With Main SWD Channel of the plot
	<b>Quantity of storm water:</b>	(0.0633 + 0.03224) KLD / Second
	<b>Size of SWD:</b>	(0.6 x 0.3 + 0.6 x 0.3) Meters
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	76.74 KLD
	<b>STP technology:</b>	MBBR
	<b>Capacity of STP (CMD):</b>	Tower No 10 : 70KLD ; Tower No 11 : 10 KLD ; Total : 80 KLD
	<b>Location &amp; area of the STP:</b>	B1 (Tower No 10) ; B1 (Tower No 11)
	<b>Budgetary allocation (Capital cost):</b>	40 Lakhs
	<b>Budgetary allocation (O &amp; M cost):</b>	12.5 Lakhs
<b>36.Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	Construction has not yet commenced at Site.
	<b>Disposal of the construction waste debris:</b>	Construction has not yet commenced at Site.
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	147 KG /DAY
	<b>Wet waste:</b>	222 KG / Day
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	8 kg/day
	<b>Others if any:</b>	NA
<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	To be handed over to Local Recyclers for recycling.
	<b>Wet waste:</b>	To be processed in the OWC. Manure obtained shall be used for landscaping / Gardening, Excess manure shall be sold to nearby end users.
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	To be used as a manure
	<b>Others if any:</b>	NA
<b>Area requirement:</b>	<b>Location(s):</b>	Ground
	<b>Area for the storage of waste &amp; other material:</b>	(7MX4M)+ (7MX4M) (including storage, machinery setup OWC, shredder, storage rack, bins, wash basin etc)
	<b>Area for machinery:</b>	Same as above
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	25 Lakhs
	<b>O &amp; M cost:</b>	3.9 Lakhs
<b>37.Effluent Charecterestics</b>		

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

### 38.Hazardous Waste Details

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

### 39.Stacks emission Details

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

### 40.Details of Fuel to be used

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

41.Source of Fuel

Not applicable

42.Mode of Transportation of fuel to site


Not applicable

### 43.Green Belt Development

<b>Total RG area :</b>	RG area provided on ground for the Entire Project is 30,323.34 sq.m
<b>No of trees to be cut :</b>	123 nos
<b>Number of trees to be planted :</b>	New trees proposed for planting - 154 nos; No. of trees to be planted against the tree cut- 246 nos
<b>List of proposed native trees :</b>	As mentioned in the List of proposed plantation on ground
<b>Timeline for completion of plantation :</b>	At the time of completion of the project

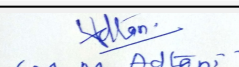
### 44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Wodyetia Bifurcata	Foxtail palm	122	As mentioned
2	Lagerstromea	Crape Myrtle Tree	75	As mentioned
3	Cordia sebstina	Cordia	75	As mentioned

  
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4	Milingtonia hortensis	Milingtonia	42	As mentioned
5	Bakain (Persian Lilac)	Melia azaedirach	22	As mentioned
6	Felicionium decipiens	Fern Tree	64	As mentioned
7	TOTAL	TOTAL	400	As mentioned

**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	As per recommendations	As per recommendations	As per recommendations

**47.Energy**

<b>Power requirement:</b>	<b>Source of power supply :</b>	Tata
	<b>During Construction Phase: (Demand Load)</b>	150 KVA
	<b>DG set as Power back-up during construction phase</b>	200 KVA
	<b>During Operation phase (Connected load):</b>	6,469 KW
	<b>During Operation phase (Demand load):</b>	2,103 KW
	<b>Transformer:</b>	as per electrical supply company
	<b>DG set as Power back-up during operation phase:</b>	630 KVA for Tower 10 & 900 KVA for Tower 11
	<b>Fuel used:</b>	high speed diesel
	<b>Details of high tension line passing through the plot if any:</b>	no high tension line within the plot

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


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

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

Serial Number	Energy Conservation Measures	Saving %
1	Tower No 10	19.75 %
2	Tower No 11	20.33%

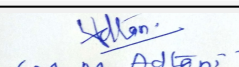
**50.Details of pollution control Systems**

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

  
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<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	50 Lakhs
	<b>O &amp; M cost:</b>	8 Lakhs

## 51.Environmental Management plan Budgetary Allocation

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

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water sprinkling	Water sprinkling	10
2	Health, safety & first aid facility	Health, safety & first aid facility	8
3	Sanitary facility and waste water management	Sanitary facility and waste water management	12
4	Environmental Monitoring (Noise, Water & Soil-Project site (4 times a year)	Environmental Monitoring (Noise, Water & Soil-Project site (4 times a year)	20
5	Total	Total	50

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

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Water Management	STP	40	12.5
2	Water Management	Rain water harvesting	16	6
3	Energy	Energy Saving	50	8
4	Landscaping	Gardening	37	18
5	Solid waste management	OWC	25	3.9
6	Fire Fighting	Fire fighting equipments	339	17
7	Total	Total	507	65.4

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

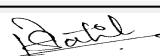
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 52.Any Other Information

No Information Available

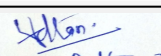
### 53.Traffic Management

	<b>Nos. of the junction to the main road &amp; design of confluence:</b>	The project site is accessible through the existing 13.41 M W Pascal Wadi Road and rear road 27.44m
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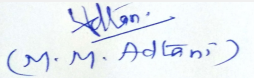


<b>Parking details:</b>	<b>Number and area of basement:</b>	Tower No 10 : 2nos (9,150.20 sq.m.) ; Tower No 11 : 3nos. (4,147.21sq.m.)
	<b>Number and area of podia:</b>	NA
	<b>Total Parking area:</b>	Tower No 10 : 9,150.20 sq.m. ; Tower No 11 : 4,147.21 sq.m.
	<b>Area per car:</b>	34.6 sqm
	<b>Area per car:</b>	34.6 sqm
	<b>Number of 2-Wheelers as approved by competent authority:</b>	Tower No 10 : 25nos. ; Tower no. 11: 25 nos.
	<b>Number of 4-Wheelers as approved by competent authority:</b>	Tower No 10 : 268nos. ; Tower no. 11: 48 nos.
	<b>Public Transport:</b>	NA
	<b>Width of all Internal roads (m):</b>	9m
<b>CRZ/ RRZ clearance obtain, if any:</b>	CRZ clearance obtained dated 16/10/2001 (TPB 2001/1565/CR-189/2001/UD-12 )	
<b>Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries</b>	The project site is 9.81 Km away (aerial distance) from Sanjay Gandhi National Park.	
<b>Category as per schedule of EIA Notification sheet</b>	B2-8(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>	24-04-2017	
<b>SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS</b>		
Not Available.		
<b>Brief information of the project by SEAC</b>		

  
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Environment Clearance for Raheja Exotica Proposed Tower No. 10 & 11 on CTS NO 1965, 2053/B, 2053/C, & C1, 2053D, 2053E, 2055B, & 2055/C, village Erangal, Patilwadi Road, Malad(W).

PP submitted their application for prior Environmental clearance for total plot area of 88299.67 Sq. Meters., Total BUA of 40296 Sq. Mtrs. and FSI area of 34126 Sq. Mtrs. It is proposed to construct buildings having maximum heights of 122.95 meters.

PP informed that project has earlier EC dated 21/06/2016 for total construction area of 338665.03 sq mtrs. PP also informed that about 95654.60 sq. mtrs construction is done on site as per earlier EC. PP also informed that he has proposed to construct 2 towers (no. 10 and 11) by demolition of existing 4 nos. of villas in respect with other buildings for which earlier EC is received.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8 (a) B2.

## DECISION OF SEAC


After deliberation committee decided to defer the proposal for compliance as above.

### Specific Conditions by SEAC:

- 1) PP to submit and upload the layout submitted for earlier EC showing RG.
- 2) PP to revise EIA report submitted for earlier EC considering proposed expansion and upload the same.
- 3) PP should not computed TDR and FSI of CRZ area in total built up area of the proposed expansion

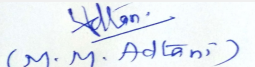
## FINAL RECOMMENDATION

SEAC-II decided to defer the proposal till PP submits the additional information as per above conditions within 30 days

  
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SEAC-II)**

## State Expert Appraisal Committee (SEAC-2)

**SEAC Meeting number: 58 (Day 1) Meeting Date April 5, 2018**


**Subject:** Environment Clearance for Application for the Amendment in Environment Clearance of Proposed Residential Scheme "Indiabulls Greens" by Lucina Land Development Ltd.

**Is a Violation Case:** No

<b>1.Name of Project</b>	Proposed Residential Scheme "Indiabulls Greens" by Lucina Land Development Ltd.
<b>2.Type of institution</b>	Private
<b>3.Name of Project Proponent</b>	Mr. Purav Kiranbhai Acharya - Senior Manager - Lucina Land Development Ltd.
<b>4.Name of Consultant</b>	Mahabal Enviro Engineers Pvt. Ltd., F-7, Road No. 21, Wagle Estate, Thane (West)-400604, Maharashtra
<b>5.Type of project</b>	Rental Housing Scheme for MMRDA
<b>6.New project/expansion in existing project/modernization/diversification in existing project</b>	Expansion in the existing project- EC Amendment
<b>7.If expansion/diversification, whether environmental clearance has been obtained for existing project</b>	Environment Clearance obtained File No. SEAC 2010/CR./TC.2 dated 22.11.2010 subsequently Amended File No. SEIAA-2011/CR./TC.2 dated 09.08.2012
<b>8.Location of the project</b>	S. NO. 80A, 83/2A, 83/3, 83/7 + 4B + 5B, 85/0, 86/1, 90/1A, 90/1B, 90/3B, 90/4, 90/7, 90/8, 90/9, 90/10, 90/11 & 91/5
<b>9.Taluka</b>	Panvel
<b>10.Village</b>	Kon & Arivali
<b>11.Area of the project</b>	CIDCO, SPA-NAINA
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	Commencement Certificate obtained from the District Collector Raigad, Alibaugh dated 16.02.2013
	<b>IOD/IOA/Concession/Plan Approval Number:</b> Commencement Certificate obtained from the District Collector Raigad, Alibaugh dated 16.02.2013
	<b>Approved Built-up Area:</b> 338877
<b>13.Note on the initiated work (If applicable)</b>	Work has been initiated as per the received Environment Clearance File No. SEAC 2010/CR./TC.2 dated 22.11.2010 subsequently Amended File No. SEIAA-2011/CR./TC.2 dated 09.08.2012
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	LOI obtained having file no. MMRDA/RHS-49/10/338 dated 11th August, 2010
<b>15.Total Plot Area (sq. m.)</b>	95,570 sq.mt.
<b>16.Deductions</b>	10,851 sq.mt
<b>17.Net Plot area</b>	84,719 sq.mt
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> 3,38,877 sq.mt.
	<b>b) Non FSI area (sq. m.):</b> 2,60,844 sq.mt.
	<b>c) Total BUA area (sq. m.):</b> 599721
<b>18 (b).Approved Built up area as per DCR</b>	<b>Approved FSI area (sq. m.):</b>
	<b>Approved Non FSI area (sq. m.):</b>
	<b>Date of Approval:</b>
<b>19.Total ground coverage (m2)</b>	382,28 sq.mt.
<b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>	40%
<b>21.Estimated cost of the project</b>	120000000000

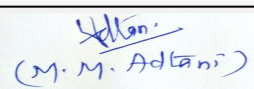
## 22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Sector 1- 1 Building	2 Basement + Ground + Podium + 31 floors	110.75

  
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 Member Secretary  
 SEAC (MMR)  
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2	Sector 2 - 3 Buildings	2 Basement + Ground + Podium + 32 floors	100.80
3	Sector 3 - 3 Buildings	2 Basement + Ground + Podium + 32 floors	100.80
4	Sector 3 - 1 Building	2 Basement + Ground + Podium + 37 floors	115.30
5	Sector 4 - 7 Buildings	2 Basement + Ground + Podium + 37 floors	115.30
6	Sector 5 - 3 Buildings	2 Basement + Ground + Podium + 37 floors	115.30
7	Sector 6 - 2 Buildings	Ground + 7 floors	23.80
8	Sector 6 - 4 Buildings	Ground + 17 floors	52.80
9	Sector 6 - 4 Buildings	Ground + 18 floors	55.70
10	Sector 6 - 1 Building	Ground + 19 floors	58.60

<b>23.Number of tenants and shops</b>	Rental (Residential + shops) - 4,894 Sale (Residential + Amenities) - 3,156
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<b>24.Number of expected residents / users</b>	39,950
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<b>25.Tenant density per hectare</b>	836
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<b>26.Height of the building(s)</b>	
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<b>27.Right of way (Width of the road from the nearest fire station to the proposed building(s))</b>	Main road: 12 m D.P.Road
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<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 and 6 m wide
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<b>29.Existing structure (s) if any</b>	Work has been initiated as per the received Environment Clearance File No. SEAC 2010/CR./TC.2 dated 22.11.2010 subsequently Amended File No. SEIAA-2011/CR./TC.2 dated 09.08.2012
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<b>30.Details of the demolition with disposal (If applicable)</b>	Not Applicable
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### 31.Production Details

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

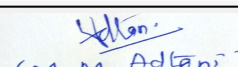
### 32.Total Water Requirement

Dry season:	Source of water	M.I.D.C							
	Fresh water (CMD):	3,596 m3/day							
	Recycled water - Flushing (CMD):	1,798 m3/day							
	Recycled water - Gardening (CMD):	120							
	Swimming pool make up (Cum):	Not Applicable							
	Total Water Requirement (CMD) :	5,513 m3/day							
	Fire fighting - Underground water tank(CMD):	2,700							
	Fire fighting - Overhead water tank(CMD):	Not Applicable							
	Excess treated water	2,157 m3/day							
Wet season:	Source of water	M.I.D.C							
	Fresh water (CMD):	3,596 m3/day							
	Recycled water - Flushing (CMD):	1,798 m3/day							
	Recycled water - Gardening (CMD):	0							
	Swimming pool make up (Cum):	Not Applicable							
	Total Water Requirement (CMD) :	5,513 m3/day							
	Fire fighting - Underground water tank(CMD):	2,700							
	Fire fighting - Overhead water tank(CMD):	Not Applicable							
	Excess treated water	2,157 m3/day							
Details of Swimming pool (If any)	Size of the swimming pool: 35.00 m x 8.50 m Source of the water: Tanker water								
<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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 Member Secretary  
 SEAC (MMR)  
**DR. B.N.Patil (Secretary SEAC-II)**

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<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	4.0 m to 8.0 m
	<b>Size and no of RWH tank(s) and Quantity:</b>	Capacity 1,000 m3
	<b>Location of the RWH tank(s):</b>	Basement level
	<b>Quantity of recharge pits:</b>	15 nos. of Recharge Pits
	<b>Size of recharge pits :</b>	-
	<b>Budgetary allocation (Capital cost) :</b>	Rs.39.00 Lakh
	<b>Budgetary allocation (O &amp; M cost) :</b>	Rs.1.95 Lakh/year
	<b>Details of UGT tanks if any :</b>	Sector 1 (Premium) - Domestic UGT having capacity 150 m3, Flushing UGT having capacity 38 m3, Fire UGT having capacity 300 m3 Sector 2 - Domestic UGT having capacity 308 m3, Flushing UGT having capacity 105 m3, Fire UGT having capacity 300 m3 Sector 3 - Domestic UGT having capacity 367 m3, Flushing UGT having capacity 138 m3, Fire UGT having capacity 300 m3 Sector 4 - Domestic UGT having capacity 970 m3, Flushing UGT having capacity 375m3, Fire UGT having capacity 600 m3 Sector 5 - Domestic UGT having capacity 550 m3, Flushing UGT having capacity 179 m3, Fire UGT having capacity 300 m3 Sector 6 - Domestic UGT having capacity 2,204 m3, Flushing UGT having capacity 1,088 m3, Fire UGT having capacity 900 m3 Total Capacities - Domestic UGT having capacity 4,549 m3, Flushing UGT having capacity 1,923 m3, Fire UGT having capacity 2,700 m3
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	Along the road side
	<b>Quantity of storm water:</b>	2.65 m3/sec
	<b>Size of SWD:</b>	Maximum 1,400 mm diameter
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	4,854 m3/day
	<b>STP technology:</b>	For Rental building: (RMBR) Rotating Media Bioreactor and for Sale building: FAB (Fluidized Aerobic Bio-reactor) and MBBR (Moving Bed Biofilm Reactor)
	<b>Capacity of STP (CMD):</b>	3 nos. of STP, 1 no. having capacity 2,900 m3/day, 1 no. having capacity 1,851 m3/day, 1 no. having capacity 103 m3/day. Total capacity of STP is 4,854 m3/day
	<b>Location &amp; area of the STP:</b>	Below ground and basement having area 1,358 m2
	<b>Budgetary allocation (Capital cost):</b>	Rs.300.75 Lakh
	<b>Budgetary allocation (O &amp; M cost):</b>	Rs.91.26 Lakh/year
<b>36.Solid waste Management</b>		

<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	4,84,418 m <sup>3</sup>
	<b>Disposal of the construction waste debris:</b>	Debris generated will be sent to the authorized debris disposal site as per "Construction and Demolition and De-Silting Waste (Management and Disposal) Rules 2006.
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	11,985 kg/day
	<b>Wet waste:</b>	7,990 kg/day
	<b>Hazardous waste:</b>	Not Applicable
	<b>Biomedical waste (If applicable):</b>	Not Applicable
	<b>STP Sludge (Dry sludge):</b>	485 kg/day
	<b>Others if any:</b>	Not Applicable
<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Dry garbage will be segregated & disposed of to recyclers.
	<b>Wet waste:</b>	Wet garbage will be treated by using Organic waste converter machine.
	<b>Hazardous waste:</b>	Not Applicable
	<b>Biomedical waste (If applicable):</b>	Not Applicable
	<b>STP Sludge (Dry sludge):</b>	Dry sludge can be used as manure for plantation & gardening purposes inside the premise.
	<b>Others if any:</b>	Not Applicable
<b>Area requirement:</b>	<b>Location(s):</b>	On ground
	<b>Area for the storage of waste &amp; other material:</b>	189.75 m <sup>2</sup>
	<b>Area for machinery:</b>	153.30 m <sup>2</sup> (approximately 23.76 m <sup>2</sup> /machine)
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs.50.35 Lakh
	<b>O &amp; M cost:</b>	Rs.7.50 Lakh/year


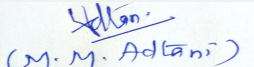
### 37. Effluent Characteristics

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

 (Dr. B. N. Patil) Member Secretary SEAC (MMR)	<b>SEAC Meeting No: 58 (Day 1) Meeting Date:          April 5, 2018</b>	<b>Page 111          of 145</b>	 (M. M. Adtani) Shri M.M. Adtani (Chairman SEAC-II)
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Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

#### 40.Details of Fuel to be used

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

41.Source of Fuel Not applicable

42.Mode of Transportation of fuel to site Not applicable

<b>43.Green Belt Development</b>	<b>Total RG area :</b>	28,111.65 m2
	<b>No of trees to be cut :</b>	33 nos.
	<b>Number of trees to be planted :</b>	1,112 nos.
	<b>List of proposed native trees :</b>	Provided
	<b>Timeline for completion of plantation :</b>	2-3 years


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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Peltophorum ferrugineum	Copper pod	-	Flower bearing tree
2	Veitchia merrillii palm	Christmas palm	-	Fruit bearing tree
3	Plumeria alba	White Chamfa	-	Flower bearing tree
4	Plumeria rubra	Red Chamfa	-	Flower bearing tree
5	Phoenix sylvestris	Date Palm	-	Fruit bearing tree
6	Spathodea campanulata	Fountain Tree	-	Flower bearing tree
7	Tabebuia rosea	Trumpet Tree	-	Flower bearing tree
8	Lagerstroemia indica	Taaman	-	Flower bearing tree
9	Wodyetia bifurcata	Foxtail Palm	-	Flower and fruit bearing tree
10	Michelia champaca	Champak	-	Flower bearing tree
11	Bauhinia blakeana	Kanchan	-	Flower bearing tree
12	Alstonia scholaris	Saptaparni	-	Allergic plant
13	Areca catechu	Betel Palm	-	Fruit bearing tree
14	Dillenia indica	Elephant Apple	-	Fruit bearing tree

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

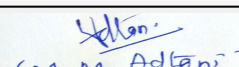
#### 46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	Angelonia	-	-
2	Spider plant	-	-

  
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3	Natal lily	-	-
4	Big lily	-	-
5	Sonn takka	-	-
6	Firebush	-	-
7	Golden turch	-	-
8	Mogara	-	-
9	Lantana	-	-
10	Border grass	-	-
11	Ghaneri	-	-
12	Fountain grass	-	-
13	Fountain bush	-	-
14	Golden trumpet	-	-
15	Lily of Nile	-	-
16	Giant taro	-	-
17	Shellflower	-	-
18	Red beard	-	-
19	Yellow beard	-	-
20	Ghaneri	-	-
21	Lady palm	-	-
22	Hummingbird bush	-	-
23	Wild jasmine	-	-
24	Kaner	-	-
25	Boston fern	-	-
26	Spiral ginger	-	-
27	Vincent Red	-	-
28	Shoe flower	-	-
29	Mondo grass	-	-
30	Foxtail fern	-	-

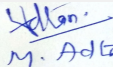
**47. Energy**

SEAC-AGENDA-0000000068

  
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<b>Power requirement:</b>	<b>Source of power supply :</b>	Maharashtra State Electric Distribution Company Ltd.(MSEDCL)
	<b>During Construction Phase: (Demand Load)</b>	950 kVA (Sanctioned 1,612 kW)
	<b>DG set as Power back-up during construction phase</b>	2 nos. of 630 kVA
	<b>During Operation phase (Connected load):</b>	29,800 kW
	<b>During Operation phase (Demand load):</b>	14,670 kW
	<b>Transformer:</b>	Not Applicable
	<b>DG set as Power back-up during operation phase:</b>	1 Nos. 1,250 kVA + 2 Nos. 750 kVA + 1 Nos. 630 kVA + 1 Nos. 500 kVA + 1 Nos. 400 kVA. Total capacity of DG Set is 4,280 kVA
	<b>Fuel used:</b>	As per the requirement
	<b>Details of high tension line passing through the plot if any:</b>	Not Applicable

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

- All lifts are proposed on VFD drives which results in 15% saving in consumption.
- Most of the common area lighting are proposed to work on high energy efficient lamps (CFL/T5) with low watt loss ballast, as specified in bureau of energy efficiency, which again results in saving in general consumption. The LPD is working less than 1W/ m2.
- Solar water heating shall be provided for residential flats for preheating geysers.
- Also, total lighting to be proposed on 30% stages operation with automatic switch on and timer based. Also, presence and photo sensors are proposed at critical junctions.
- All internal common area lighting system is proposed to have either high efficiency lamps (T5/T8) / CFL. These give us a LPD less than 10W/m2 but still achieving the required 200 LUX for ambient lighting.
- Solar panels for street lighting.


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

Serial Number	Energy Conservation Measures	Saving %
1	<ul style="list-style-type: none"> <li>• All lifts are proposed on VFD drives which results in 15% saving in consumption.</li> <li>• Most of the common area lighting are proposed to work on high energy efficient lamps (CFL/T5) with low watt loss ballast, as specified in bureau of energy efficiency, which again results in saving in general consumption. The LPD is working less than 1W/ m2.</li> <li>• Solar water heating shall be provided for residential flats for preheating geysers.</li> <li>• Also, total lighting to be proposed on 30% stages operation wi</li> </ul>	>1%

#### 50. Details of pollution control Systems

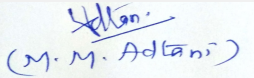
Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs.815.00 Lakh
	<b>O &amp; M cost:</b>	Rs.8.15 Lakh/year

  
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## 51.Environmental Management plan Budgetary Allocation

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

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water spray for dust suppression	pH, Colour, odour, turbidity, Total hardness	3.0
2	Site Sanitation	Disinfection	2.0
3	Environmental Monitoring	Air, Water, Soil and Noise Monitoring	3.0
4	Disinfection	Disinfection	3.0
5	Health Check up	Monthly	15.0

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

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	3 Nos. of STP having total capacity 4,854 KLD	300.75	91.26
2	Solid Waste Management	Composting	50.35	7.50
3	Rain water Harvesting and Storm Water Management	Channelizing and maintenance of rain water harvesting	39.00	1.95
4	Landscape Development	RG Area	154.61	24.74
5	Fire Fighting	Fire Extinguisher	38.2	3.82
6	Energy Conservation	Solar	2.10	1.00
7	Environment Monitoring	Air, Water, Soil and Noise Monitoring	15	2.4

## 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

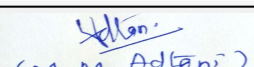
### 53.Traffic Management

	<b>Nos. of the junction to the main road &amp; design of confluence:</b>	1 No. of junction main road having width 12 m.
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<b>Parking details:</b>	<b>Number and area of basement:</b>	2 Nos. of basement of total area 77,506 m <sup>2</sup>
	<b>Number and area of podia:</b>	2 No. of podia (parking and landscape) of total area 30,466 m <sup>2</sup>
	<b>Total Parking area:</b>	1,22,643 m <sup>2</sup>
	<b>Area per car:</b>	38.09 m <sup>2</sup>
	<b>Area per car:</b>	38.09 m <sup>2</sup>
	<b>Number of 2-Wheelers as approved by competent authority:</b>	725
	<b>Number of 4-Wheelers as approved by competent authority:</b>	2544
	<b>Public Transport:</b>	Not Applicable
	<b>Width of all Internal roads (m):</b>	9 m and 6 m wide internal road
	<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) B1
	<b>Court cases pending if any</b>	Not Applicable
	<b>Other Relevant Informations</b>	We are applying for the amendment in the Environment Clearance. We have received Environment Clearance File No. SEAC 2010/CR./TC.2 dated 22.11.2010 and subsequently Amended File No. SEIAA-2011/CR./TC.2 dated 09.08.2012.
	<b>Have you previously submitted Application online on MOEF Website.</b>	No
	<b>Date of online submission</b>	-


## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Not Available.

## Brief information of the project by SEAC

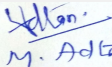
Environment Clearance for Application for the Amendment in Environment Clearance of Proposed Residential Scheme "Indiabulls Greens" by Lucina Land Development Ltd.

PP was not present for the meeting. Representative of PP present for the meeting did not have any authority letter to present the case.

  
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## DECISION OF SEAC

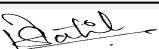
Therefore Committee decided to defer the proposal

**Specific Conditions by SEAC:**

## FINAL RECOMMENDATION

SEAC-II decided to defer the proposal till PP submits the additional information as per above conditions within 30 days

SEAC-AGENDA-00000000068

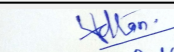


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## State Expert Appraisal Committee (SEAC-2)

**SEAC Meeting number: 58 (Day 1) Meeting Date April 5, 2018**

**Subject:** Environment Clearance for expansion of "Redevelopment Project" On plot bearing C.T.S.No's 648 (pt), The M.I.G. Co-operative Housing Society, Group IV Ltd., Gandhi Nagar, Bandra East


**Is a Violation Case:** No

<b>1.Name of Project</b>	Expansion of "Redevelopment Project" On plot bearing C.T.S.No's 648 (pt), The M.I.G. Co-operative Housing Society, Group IV Ltd., Gandhi Nagar, Bandra East
<b>2.Type of institution</b>	Private
<b>3.Name of Project Proponent</b>	M/s. Rustomjee Constructions Pvt. Ltd
<b>4.Name of Consultant</b>	M/s. Enviro Analysts & Engineers Pvt. Ltd. Mr. H. K Desai B-1003, Enviro House, 10th floor, Western Edge -II Western Express Highway, Borivali (E), Mumbai- 400 066 hkdesai5@gmail.com.; info@eaepl.com
<b>5.Type of project</b>	A Residential redevelopment Project. MCGM DCR 33 (5)
<b>6.New project/expansion in existing project/modernization/diversification in existing project</b>	expansion in existing project
<b>7.If expansion/diversification, whether environmental clearance has been obtained for existing project</b>	EC recieved vide letter no. SEAC-III-2014/CR-274/TC-1 dated 1.02.2016
<b>8.Location of the project</b>	Plot bearing C.T.S. No's 648 (pt), The M.I.G. Co-operative Housing Society, Group IV Ltd., Gandhi Nagar, Bandra East
<b>9.Taluka</b>	Gandhi Nagar
<b>10.Village</b>	Bandra
<b>11.Area of the project</b>	MCGM (Municipal Corporation of Greater Mumbai)
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	IOD recieved 4.10.2016
	<b>IOD/IOA/Concession/Plan Approval Number:</b> CHE/WS/0953/H/337 (NEW)
	<b>Approved Built-up Area:</b> 97861.98
<b>13.Note on the initiated work (If applicable)</b>	53466.22 sqm constructed on site as per EC received dated 01.02.2016 for construction area 125362.00
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	Letter received from MHADA NO.Co/MB/REE/NOC/F-457/821/2017 dated 13.06.2017
<b>15.Total Plot Area (sq. m.)</b>	15445.08
<b>16.Deductions</b>	nil
<b>17.Net Plot area</b>	15445.08
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> 84278.09
	<b>b) Non FSI area (sq. m.):</b> 64484.56
	<b>c) Total BUA area (sq. m.):</b> 148762.65
<b>18 (b).Approved Built up area as per DCR</b>	<b>Approved FSI area (sq. m.):</b>
	<b>Approved Non FSI area (sq. m.):</b>
	<b>Date of Approval:</b>
<b>19.Total ground coverage (m2)</b>	5685.33
<b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>	36.81%
<b>21.Estimated cost of the project</b>	4850000000

### 22.Number of buildings & its configuration

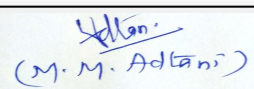
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A,B ,C, D, E & F	3 B + Gr + 25 Upper Floors	83.05 M

**23.Number of tenants and shops** 779 No's

  
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24.Number of expected residents / users	3895 no's
25.Tenant density per hectare	504/hectare
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	The site is accessible from 27.4m wide Nana Dharmadhikari Marg (north), 18.30m wide Madhusudhan Kalelkar Marg (south) & 9.00 m wide internal road (east and west)
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	The project has access through internal Straight spine of 6.00 mt and 27.4m wide Nana Dharmadhikari Marg (north), 18.30m wide Madhusudhan Kalelkar Marg which are abutting and both 9.00m wide roads on east and west.
29.Existing structure (s) if any	Basement =1.5 Wing A=0 floors Wing B=18 floors Wing C=18 floors Wing D =0 floors Wing E=10 floors Wing F=6 floors
30.Details of the demolition with disposal (If applicable)	Not applicable

### 31.Production Details

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

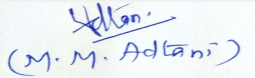
### 32.Total Water Requirement

Dry season:	Source of water	MCGM / treated water from STP
	Fresh water (CMD):	351 KLD
	Recycled water - Flushing (CMD):	175 KLD
	Recycled water - Gardening (CMD):	30 KLD
	Swimming pool make up (Cum):	.
	Total Water Requirement (CMD):	556 KLD
	Fire fighting - Underground water tank(CMD):	600 KL
	Fire fighting - Overhead water tank(CMD):	270 KL
	Excess treated water	221 KLD

  
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Wet season:	Source of water	MCGM/RWH/ treated water from STP
	Fresh water (CMD):	351 KLD
	Recycled water - Flushing (CMD):	175 KLD
	Recycled water - Gardening (CMD):	0 KLD
	Swimming pool make up (Cum):	.
	Total Water Requirement (CMD) :	526 KLD
	Fire fighting - Underground water tank(CMD):	600 KL
	Fire fighting - Overhead water tank(CMD):	270 KL
	Excess treated water	251 KLD


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	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

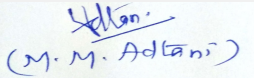
### 34.Rain Water Harvesting (RWH)

Level of the Ground water table:	2.5 m - 5.0 m bgl
Size and no of RWH tank(s) and Quantity:	1 nos of 150 KLD
Location of the RWH tank(s):	lower Basement level
Quantity of recharge pits:	nil
Size of recharge pits :	nil
Budgetary allocation (Capital cost) :	Rs 10 lakhs
Budgetary allocation (O & M cost) :	Rs 1.0 lakhs
Details of UGT tanks if any :	Domestic Water Tank =360 KL Flushing Water Tank =180 KL Fire Water Tank = 600 KL Rain Water Harvesting Tank =150 KL Location of tank is lower Basement level

  
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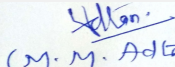


<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	SE to NW
	<b>Quantity of storm water:</b>	0.19 m3/sec
	<b>Size of SWD:</b>	0.45m (wide) x 0.45m (deep)
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	474 KLD
	<b>STP technology:</b>	MBBR
	<b>Capacity of STP (CMD):</b>	520 KLD
	<b>Location &amp; area of the STP:</b>	1st and 2nd Basement level
	<b>Budgetary allocation (Capital cost):</b>	Rs 40 lakhs
	<b>Budgetary allocation (O &amp; M cost):</b>	Rs 4 lakhs
<b>36.Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	60000 empty cement bags,600 empty cans
	<b>Disposal of the construction waste debris:</b>	- Scrap material and other recyclable material like empty cement bags and empty paint cans to be sold to recyclers, Broken Tiles to be used as china mosaic for terrace
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	779 Kg/day
	<b>Wet waste:</b>	1169 Kg/day
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	22
	<b>Others if any:</b>	NA
<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Will be handed over to Local Recyclers for recycling
	<b>Wet waste:</b>	Will be processed in the OWC. Manure obtained shall be used for landscaping / Gardening, Excess manure shall be sold to nearby end users.
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	Use as a manure
	<b>Others if any:</b>	NA
<b>Area requirement:</b>	<b>Location(s):</b>	ground level
	<b>Area for the storage of waste &amp; other material:</b>	20 sqm
	<b>Area for machinery:</b>	3 sqm
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs 40 lakhs
	<b>O &amp; M cost:</b>	Rs 3.5 lakhs
<b>37.Effluent Charecterestics</b>		

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

### 38.Hazardous Waste Details

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

### 39.Stacks emission Details

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

### 40.Details of Fuel to be used

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

41.Source of Fuel

Not applicable

42.Mode of Transportation of fuel to site


Not applicable

### 43.Green Belt Development

<b>Total RG area :</b>	The provided RG area is 5363.05 Sq.mt on ground against the required RG area i.e.1117 sqm
<b>No of trees to be cut :</b>	219 existing trees, 127 to be cut/transplanted & 92 trees to be retained as per Tree NOc recieved
<b>Number of trees to be planted :</b>	268 no's of trees
<b>List of proposed native trees :</b>	stated below
<b>Timeline for completion of plantation :</b>	by the end of construction phase

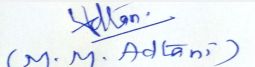
### 44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Plumeria alba	Chapha	20	ornamental
2	Plumeria rubra	Deo chapha	25	ornamental
3	Michelia champaca	Son chapha	16	ornamental

  
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4	Cordyline australis	Club Palm	20	ornamental
5	Bauhinia blakeana	Kanchan	15	ornamental
6	Lagerstroemia speciosa	Taman	20	ornamental
7	Areca catechu	Betel Palm	20	ornamental
8	Sesbania grandiflora	Grandifolia	18	ornamental
9	Caryota urens	Solitary Fish tail Palm	20	ornamental
10	Nyctanthes arbor tristis	Parijat	20	ornamental
11	Filicium decipiens	Fern Tree	18	ornamental
12	Cordia sebastena	Lal lasoda	18	ornamental
13	Brownea coccinea	Scarlet Flame Bean	16	shadey ,ornamental
14	Hyophorbe lagenicaulis	Champagne Palm tree	22	ornamental
<b>45.Total quantity of plants on ground</b>				

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


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

#### 47.Energy

<b>Power requirement:</b>	<b>Source of power supply :</b>	TATA/Reliance
	<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>	13758 KW
	<b>During Operation phase (Demand load):</b>	6218 KVA
	<b>Transformer:</b>	NA
	<b>DG set as Power back-up during operation phase:</b>	1 no. x 900 KVA
	<b>Fuel used:</b>	HSD
	<b>Details of high tension line passing through the plot if any:</b>	NA

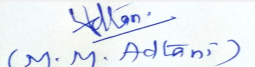
#### 48.Energy saving by non-conventional method:

T-5 lamps with Electronic Ballast  
Solar Light with LED fixture  
Hot water requirement met through solar water heating  
The Lift system shall be on VFD that would result in considerable energy saving as compared to conventional lifts.  
Voltmeter/Ammeters for monitoring power system  
Designing APFC panel to improve power factor


  
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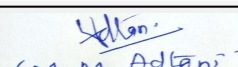
  
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49.Detail calculations & % of saving:				
Serial Number	Energy Conservation Measures		Saving %	
1	Total savings in %		20%	
50.Details of pollution control Systems				
Source	Existing pollution control system		Proposed to be installed	
Not applicable	Not applicable		Not applicable	
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs 60 lakhs		
	O & M cost:	Rs. 0.6 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	
2	Noise Environment	Noise Baricades and Green Belt Developments	15	
3	Water Environment	Modular STP , Drainage with sedimentation tanks	15	
4	Good Health Practices	Site Sanitation & Health Care	10	
5	Environment Monitoring	Air,water,noise soil monitoring during construction phase	15	
b) Operation Phase (with Break-up):				
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	waste water management	STP Cost	40	4
2	Solid Waste Management	OWC	35	3.5
3	Green Belt development	Green Belt development	15	0.3
4	Rain water harvesting	Rain water harvesting	10	1.0
5	soalr savings	Energy Efficient equipment's	60	6
51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)				

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

### 52. Any Other Information

No Information Available

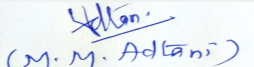
### 53. Traffic Management

	<b>Nos. of the junction to the main road &amp; design of confluence:</b>	The proposed project is connected by 27.4m wide Nana Dharmadhikari Marg (north), 18.30m wide Madhusudhan Kalelkar Marg (south) & 9.00 m wide internal road (east and west)
<b>Parking details:</b>	<b>Number and area of basement:</b>	3no.( 148510.45sqm)
	<b>Number and area of podia:</b>	NIL
	<b>Total Parking area:</b>	32956.95 sqm
	<b>Area per car:</b>	22.89 sq.m
	<b>Area per car:</b>	22.89 sq.m
	<b>Number of 2-Wheelers as approved by competent authority:</b>	-
	<b>Number of 4-Wheelers as approved by competent authority:</b>	1440 nos
	<b>Public Transport:</b>	NA
	<b>Width of all Internal roads (m):</b>	6m wide internal roads
	<b>CRZ/ RRZ clearance obtain, if any:</b>	NA
	<b>Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries</b>	NA
	<b>Category as per schedule of EIA Notification sheet</b>	8(a)
	<b>Court cases pending if any</b>	NA
	<b>Other Relevant Informations</b>	NA

  
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	<b>Have you previously submitted Application online on MOEF Website.</b>	Yes
	<b>Date of online submission</b>	27-06-2017

## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Not Available.

### Brief information of the project by SEAC

Environment Clearance for expansion of "Redevelopment Project" On plot bearing C.T.S.No's 648 (pt), The M.I.G. Co-operative Housing Society, Group IV Ltd., Gandhi Nagar, Bandra East.

PP submitted their application for expansion in existing project for total plot area of 15445.08 Sq. Meters., Total BUA of 148762.65 Sq. Mtrs. and FSI area of 84278.09 Sq. Mtrs. It is proposed to construct buildings having maximum heights of 83.05 meters.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8 (a) B2.

### DECISION OF SEAC


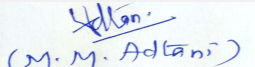
Therefore, after deliberation committee decided to defer the matter for compliance as above.

#### Specific Conditions by SEAC:

1) Letter of Authority on behalf of PP was not available with the representative of the project proponent. Further Commencement Certificate of project was not valid. Further paper copy of the new CC was also not available of presentation. PP requested committee for postponement of the item for next meeting.

### FINAL RECOMMENDATION

SEAC-II decided to defer the proposal till PP submits the additional information as per above conditions within 30 days

 <small>(Dr. B. N. Patil) Member Secretary SEAC (MMR)</small> <b>DR. B.N.Patil (Secretary SEAC-II)</b>	<b>SEAC Meeting No: 58 (Day 1) Meeting Date: April 5, 2018</b>	<b>Page 126 of 145</b>	 <small>(M. M. Adtani)</small> <b>Shri M.M.Adtani (Chairman SEAC-II)</b>
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## State Expert Appraisal Committee (SEAC-2)

**SEAC Meeting number: 58 (Day 1) Meeting Date April 5, 2018**


**Subject:** Environment Clearance for enviromental clearance for Proposed Redevelopment Project at Plot bearing C.S. No. 612,613,614 & 615 , Plot no. 54,55,56 & 57 of Sewri-Wadala Estate Scheme , Matunga Division, F/N Ward, Building known as

**Is a Violation Case:** No

<b>1.Name of Project</b>	Proposed Redevelopment Project at Plot bearing C.S. No. 612,613,614 & 615 , Plot no. 54,55,56 & 57 of Sewri-Wadala Estate Scheme , Matunga Division, F/N Ward, Building known as
<b>2.Type of institution</b>	Private
<b>3.Name of Project Proponent</b>	M/s. Sobhaniye JP Developers 602, Abhinandanswami CHSL. Plot no.21, Road No.25, Sion (W), Mumbai.
<b>4.Name of Consultant</b>	M/s. Enviro Analysts & Engineers Pvt. Ltd. Mr. H. K Desai B-1003,Enviro House, 10th floor, Western Edge -II Western Express Highway, Borivali (E), Mumbai- 400 066 hkdesai5@gmail.com.; info@eaapl.com
<b>5.Type of project</b>	Proposed Redevelopment Project under the DCR scheme 33(7)
<b>6.New project/expansion in existing project/modernization/diversification in existing project</b>	new
<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 C.S. No. 612,613,614 & 615 , Plot no. 54,55,56 & 57 of Sewri-Wadala Estate Scheme , Matunga Division, F/N Ward, Building known as
<b>9.Taluka</b>	Matunga
<b>10.Village</b>	Kings circle
<b>11.Area of the project</b>	MCGM (Municipal Corporation of Greater Mumbai)
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	Concession recieved 16.5.2017
	<b>IOD/IOA/Concession/Plan Approval Number:</b> Consecction -CHE/CITY/1432/FN/337 (NEW)
	<b>Approved Built-up Area:</b> 29035.82 sqm
<b>13.Note on the initiated work (If applicable)</b>	NA
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	-
<b>15.Total Plot Area (sq. m.)</b>	2,600.35 Sq. m
<b>16.Deductions</b>	208.03
<b>17.Net Plot area</b>	2,392.32 Sq. Mts
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> 7,801.05
	<b>b) Non FSI area (sq. m.):</b> 21,234.77
	<b>c) Total BUA area (sq. m.):</b> 29035.82
<b>18 (b).Approved Built up area as per DCR</b>	<b>Approved FSI area (sq. m.):</b>
	<b>Approved Non FSI area (sq. m.):</b>
	<b>Date of Approval:</b>
<b>19.Total ground coverage (m2)</b>	1276 sqm
<b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>	(53.3%)
<b>21.Estimated cost of the project</b>	1350000000

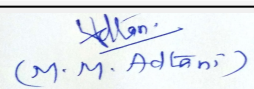
## 22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
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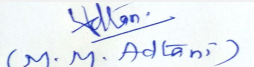
  
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1	Composite Building	Composite Building comprise of B + Gr + 6P + Transfer Girder Level Rehab Floors: Ground, 8-24, 26, 27, 30, 31 Sale Floors: 25th, 28th, 29th, 32nd to 41st	140.60 M (Till Terrace)	
<b>23.Number of tenants and shops</b>	Residential -109 no's Shops- 1 no's			
<b>24.Number of expected residents / users</b>	Residential -545 no's Shops- 20 no's			
<b>25.Tenant density per hectare</b>	427 tenants/hector			
<b>26.Height of the building(s)</b>				
<b>27.Right of way (Width of the road from the nearest fire station to the proposed building(s))</b>	38.7m wide Rafi Ahmed Kidwai Road			
<b>28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation</b>	9.00 M			
<b>29.Existing structure (s) if any</b>	1 Existing residential building with configuration G+3			
<b>30.Details of the demolition with disposal (If applicable)</b>	Will be demolished as per debris management plan			
<b>31.Production Details</b>				
<b>Serial Number</b>	<b>Product</b>	<b>Existing (MT/M)</b>	<b>Proposed (MT/M)</b>	<b>Total (MT/M)</b>
1	Not applicable	Not applicable	Not applicable	Not applicable
<b>32.Total Water Requirement</b>				

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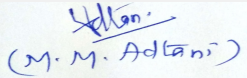



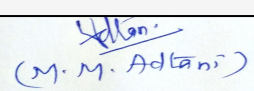
Dry season:	Source of water	MCGM / treated water from STP							
	Fresh water (CMD):	51 KLD							
	Recycled water - Flushing (CMD):	27 KLD							
	Recycled water - Gardening (CMD):	2 KLD							
	Swimming pool make up (Cum):	5 KLD							
	Total Water Requirement (CMD) :	80 KLD							
	Fire fighting - Underground water tank(CMD):	300 KL							
	Fire fighting - Overhead water tank(CMD):	30 KL							
	Excess treated water	27 KL							
Wet season:	Source of water	MCGM/RWH/ treated water from STP							
	Fresh water (CMD):	51 KLD							
	Recycled water - Flushing (CMD):	27 KLD							
	Recycled water - Gardening (CMD):	0 KLD							
	Swimming pool make up (Cum):	5 KLD							
	Total Water Requirement (CMD) :	78 KLD							
	Fire fighting - Underground water tank(CMD):	300 KL							
	Fire fighting - Overhead water tank(CMD):	30 KL							
	Excess treated water	29KL							
Details of Swimming pool (If any)	Area of Swimming pool (m2) =86.68 Depth (m)= 1.2 Total Capacity (m3) = 104.02 Total water Demand (m3/day)=5								
<b>33.Details of Total water consumed</b>									
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Water Requirement									
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>	2.5m - 3m bgl	
	<b>Size and no of RWH tank(s) and Quantity:</b>	21 cum	
	<b>Location of the RWH tank(s):</b>	Ground	
	<b>Quantity of recharge pits:</b>	NA	
	<b>Size of recharge pits :</b>	NA	
	<b>Budgetary allocation (Capital cost) :</b>	Rs 5.0 Lakhs	
	<b>Budgetary allocation (O &amp; M cost) :</b>	Rs 0.05 Lakhs /Annum	
	<b>Details of UGT tanks if any :</b>	Domestic Water Tank =51 KL Flushing Water Tank = 27 KL Fire Water Tank =300 KL Rain Water Harvesting Tank = 21 KL Location of tank =Below ground	
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	W to E	
	<b>Quantity of storm water:</b>	0.10 m/sec	
	<b>Size of SWD:</b>	0.45 M Width 0.450 M Depth	
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	62 KLD	
	<b>STP technology:</b>	MBBR	
	<b>Capacity of STP (CMD):</b>	70 KLD	
	<b>Location &amp; area of the STP:</b>	Below ground	
	<b>Budgetary allocation (Capital cost):</b>	Rs 28 Lakhs	
	<b>Budgetary allocation (O &amp; M cost):</b>	Rs 5.6 lakhs /annum	
<b>36.Solid waste Management</b>			
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	8000 cum of excavated material will be generated, 1000 nof empty cement bags , 600 empty cans	
	<b>Disposal of the construction waste debris:</b>	top soil to be been preserved for landscaping,- Scrap material and other recyclable material like empty cement bags and empty paint cans to be sold to recyclers.Broken Tiles to be used as china mosaic for terrace	
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	113 Kg/day	
	<b>Wet waste:</b>	165 Kg/day	
	<b>Hazardous waste:</b>	NA	
	<b>Biomedical waste (If applicable):</b>	NA	
	<b>STP Sludge (Dry sludge):</b>	5 kg/day	
	<b>Others if any:</b>	NA	
 <small>(Dr. B. N. Patil) Member Secretary SEAC (MMR)</small> <b>DR. B.N.Patil (Secretary SEAC-II)</b>	<b>SEAC Meeting No: 58 (Day 1) Meeting Date: April 5, 2018</b>	<b>Page 130 of 145</b>	 <small>(M. M. Adtani)</small> <b>Shri M.M.Adtani (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>	Not Applicable
	<b>STP Sludge (Dry sludge):</b>	To be used as a manure
	<b>Others if any:</b>	NA
<b>Area requirement:</b>	<b>Location(s):</b>	Ground
	<b>Area for the storage of waste &amp; other material:</b>	27 sqm
	<b>Area for machinery:</b>	2 sq.mts
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs 6.0 Lakhs
	<b>O &amp; M cost:</b>	Rs 1.8 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

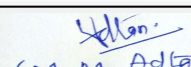
Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable

41. Source of Fuel	Not applicable
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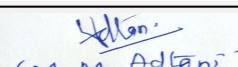
  
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42.Mode of Transportation of fuel to site		Not applicable		
<b>43.Green Belt Development</b>	<b>Total RG area :</b>	8% Required : 208.03 sq.mt. Proposed RG Area : 291.39 sq.mt. (12%)		
	<b>No of trees to be cut :</b>	NA		
	<b>Number of trees to be planted :</b>	39 Nos of trees		
	<b>List of proposed native trees :</b>	same as below		
	<b>Timeline for completion of plantation :</b>	by the end of construction phase		
<b>44.Number and list of trees species to be planted in the ground</b>				
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Butea monosperma	THE FLAME OF THE FOREST	3	ornamental , shadey
2	Caryota urens	THE FISH-TAIL PALM	5	ornamental
3	Adina cordifolia	KADAM	5	ornamental ,shadey
4	Azadirachta indica	THE INDIAN LILAC	3	ornamental
5	Terminalia arjuna	ARJUN TREE	6	ornamental ,shadey
6	Eucalyptus citriodora	LEMON EUCALYPTUS	7	ornamental
7	Plumeria alba	FRANGIPANI	10	ornamental
<b>45.Total quantity of plants on ground</b>				
<b>46.Number and list of shrubs and bushes species to be planted in the podium RG:</b>				
Serial Number	Name	C/C Distance	Area m2	
1	-	-	-	
<b>47.Energy</b>				

  
 (Dr. B. N. Patil)  
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<b>Power requirement:</b>	<b>Source of power supply :</b>	BEST
	<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>	2540 KW
	<b>During Operation phase (Demand load):</b>	927 Kw
	<b>Transformer:</b>	-
	<b>DG set as Power back-up during operation phase:</b>	750 kVA
	<b>Fuel used:</b>	HSD
	<b>Details of high tension line passing through the plot if any:</b>	NA

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

External lighting on Solar, with stand alone lamp post  
Lift load considered on VFD drives & APFC Panel which will result in overall 20% lift load saving consumption.  
All water pump motors will be use high efficiency motors with 5 star BEE rating with soft starters and with high/low level sensors, APFC Panel For maximum saving.  
BEE 5 star rated axial flow fans with variable frequency drive & APFC Panel to attain considerable energy saving.  
Mainly LED & T5 Lights with timer control operation to reduce amount of light at different stages for buildings.  
All Pumps in STP will be high efficiency five star rated & with level sensors.

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

Serial Number	Energy Conservation Measures	Saving %
1	%Overall saving on consumption.	19.21%
2	% solar	1.29%

#### 50. Details of pollution control Systems

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

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs. 30 lakhs
	<b>O &amp; M cost:</b>	Rs.1 lakhs

#### 51. Environmental Management plan Budgetary Allocation

 <small>(Dr. B. N. Patil) Member Secretary SEAC (MMR)</small> <b>DR. B.N.Patil (Secretary SEAC-II)</b>	<b>SEAC Meeting No: 58 (Day 1) Meeting Date: April 5, 2018</b>	<b>Page 133 of 145</b>	 <small>(M. M. Adtani)</small> <b>Shri M.M.Adtani (Chairman SEAC-II)</b>
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<b>a) Construction phase (with Break-up):</b>			
Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water Sprinkling, Green Belt Development, Covered storage area	4
2	Noise Environment	Noise Baricades and Green Belt Developments	3
3	Water Environment	Modular STP , Drainage with sedimentation tanks	3
4	Good Health Practices	Site Sanitation & Health Care	3
5	Environment Monitoring	Air,water,noise soil monitoring during construction phase	3

<b>b) Operation Phase (with Break-up):</b>				
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	solid waste management	OWC	6.0	1.8
2	waste water management	STP	28.0	5.6
3	solar savings	Energy	5.0	0.05
4	RWH system	RWH system	30.0	1.0
5	green belt	Landscaping	1.5	0.2

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

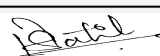
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 52.Any Other Information

No Information Available

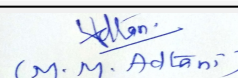
### 53.Traffic Management

Nos. of the junction to the main road & design of confluence:	38.7m wide Rafi Ahmed Kidwai Road
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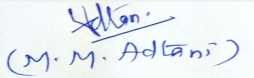
  
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<b>Parking details:</b>	<b>Number and area of basement:</b>	1 nos (1280.18 Sq.mt.)
	<b>Number and area of podia:</b>	5 nos (6400.9 sqm).
	<b>Total Parking area:</b>	7681.09 sqm
	<b>Area per car:</b>	Basement 1 - 30 sqm podium - 33 sqm
	<b>Area per car:</b>	Basement 1 - 30 sqm podium - 33 sqm
	<b>Number of 2-Wheelers as approved by competent authority:</b>	23 nos
	<b>Number of 4-Wheelers as approved by competent authority:</b>	109 nos
	<b>Public Transport:</b>	NA
	<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>	NA
	<b>Have you previously submitted Application online on MOEF Website.</b>	No
	<b>Date of online submission</b>	-
<b>SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS</b>		
Not Available.		
<b>Brief information of the project by SEAC</b>		

  
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Environment Clearance for environmental clearance for Proposed Redevelopment Project at Plot bearing C.S. No. 612,613,614 & 615 , Plot no. 54,55,56 & 57 of Sewri-Wadala Estate Scheme , Matunga Division, F/N Ward.

PP submitted their application for prior Environmental clearance for total plot area of 2392.32 Sq. Meters., Total BUA of 29035.82 Sq. Mtrs. and FSI area of 7801.05 Sq. Mtrs. It is proposed to construct Composite buildings having maximum heights of 140.60 meters.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8 (a) B2.

## DECISION OF SEAC


After deliberation, committee decided to defer the matter for compliance of above points.

### Specific Conditions by SEAC:

- 1) PP to revise CS with respect to Building configuration, area, name of taluka, rain water harvesting, solar, RWH, traffic management plan.
- 2) PP to provide paver blocks of adequate capacity for should be used for loads inside the project to increase the water percolation and reduce heat island effect.
- 3) PP to provide plastic crushing unit (PET/PETE) for non-biodegradable plastic waste crushed material to be given to authorized recyclers.
- 4) PP to increase saving through renewable energy up to minimum 5% instead of 1.29% by suitable methods like solar domes, solar water heaters etc.
- 5) PP to submit detail debris management plan, PP to ensure that no construction debris should dumped into CRZ area/Creak area.

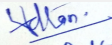
## FINAL RECOMMENDATION

SEAC-II decided to defer the proposal till PP submits the additional information as per above conditions within 30 days

  
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## State Expert Appraisal Committee (SEAC-2)

**SEAC Meeting number: 58 (Day 1) Meeting Date April 5, 2018**


**Subject:** Environment Clearance for Proposed Building "La Citadel" on plot bearing CTS No. 1/190A to 1/190G & CTS No. 1D, (Old CTS No. 1/190 to 1/205), S. No. 41 (Pt) of Village Oshiwara, Andheri (West), Mumbai by M/s. Sheth Developers Pvt. Ltd.

**Is a Violation Case:** No

<b>1.Name of Project</b>	Proposed Building "La Citadel"
<b>2.Type of institution</b>	Private
<b>3.Name of Project Proponent</b>	Mr. Ashwin N. Sheth, Sheth Developers Pvt. Ltd., Sheth House, Next to Dindoshi Fire Station, Gen. A. K. Vaidya Marg, Off. Western Express Highway, Malad (E), Mumbai - 400 097
<b>4.Name of Consultant</b>	Mr. H. K. Desai, • Enviro Analysts & Engineers Pvt. Ltd., B-1003, Enviro House, Western Edge II, Behind Metro Mall, Western Express Highway, Borivali (E), Mumbai-400066
<b>5.Type of project</b>	Housing project
<b>6.New project/expansion in existing project/modernization/diversification in existing project</b>	modernization
<b>7.If expansion/diversification, whether environmental clearance has been obtained for existing project</b>	received EC granted No. 21-565/2006-IA.III dated 05-07-2007
<b>8.Location of the project</b>	Plot bearing CTS No. 1/190A to 1/190G & CTS No. 1D, (Old CTS No. 1/190 to 1/205), S. No. 41 (Pt) of Village Oshiwara, Andheri (West), Mumbai.
<b>9.Taluka</b>	Andheri
<b>10.Village</b>	Oshiwara
<b>11.Area of the project</b>	Municipal Corporation of Greater Mumbai (MCGM)
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	concession approved and amended upto 30-03-2013 u/no/MCP/8264 <b>IOD/IOA/Concession/Plan Approval Number:</b> IOD approved on dated 16-11-2014 and amended upto dated 02-07-2013 <b>Approved Built-up Area:</b> 57479.39
<b>13.Note on the initiated work (If applicable)</b>	12479.95 sq.m.
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	yes
<b>15.Total Plot Area (sq. m.)</b>	Total Plot Area = 98638.41 Sq.Mt. (Adopted for Proposal), 99388.20 Sq.Mt. (As per P.R.Cards), Plot area into consideration for EC = 4662.12 sq.m.
<b>16.Deductions</b>	set back area = 8312.84 sq.m., MAP=2175.60 sq.m., dispensary = 657.00 sq.m., PG = 2133.00 sq.m., 15% RG = 12804.00 sq.m., and 9.00m Internal Road = 6195.48 sq.m.
<b>17.Net Plot area</b>	66360.49 Sq.Mt.
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> 27353.17 Sq.Mt. for Type 'G' Building. <b>b) Non FSI area (sq. m.):</b> 30126.22 Sq.Mt. <b>c) Total BUA area (sq. m.):</b> 57479.39
<b>18 (b).Approved Built up area as per DCR</b>	<b>Approved FSI area (sq. m.):</b> <b>Approved Non FSI area (sq. m.):</b> <b>Date of Approval:</b>
<b>19.Total ground coverage (m2)</b>	3715.02
<b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>	79.68
<b>21.Estimated cost of the project</b>	1650000000

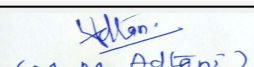
## 22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
---------------	------------------------	------------------	-------------------------------

  
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1	1 wing	3 Basements + Ground floor on Stilt + 3 level Podiums floors + 1st to 36th upper floors	128.75 Mt.
<b>23.Number of tenants and shops</b>	206 Nos. residential units		
<b>24.Number of expected residents / users</b>	1030 Nos.		
<b>25.Tenant density per hectare</b>	450 T/ Hectare		
<b>26.Height of the building(s)</b>			
<b>27.Right of way (Width of the road from the nearest fire station to the proposed building(s))</b>	9.00 mt. wide Internal Access through 36.60 Mt. wide D.P. Road (Creek Road) FROM Goregaon Fire Station.		
<b>28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation</b>	9.00 m		
<b>29.Existing structure (s) if any</b>	construction of the building started as per the granted EC		
<b>30.Details of the demolition with disposal (If applicable)</b>	NA		

### 31.Production Details

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

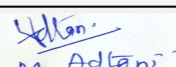
### 32.Total Water Requirement

<b>Dry season:</b>	<b>Source of water</b>	MCGM/Recycled Water
	<b>Fresh water (CMD):</b>	93
	<b>Recycled water - Flushing (CMD):</b>	52
	<b>Recycled water - Gardening (CMD):</b>	6
	<b>Swimming pool make up (Cum):</b>	0
	<b>Total Water Requirement (CMD) :</b>	151
	<b>Fire fighting - Underground water tank(CMD):</b>	200
	<b>Fire fighting - Overhead water tank(CMD):</b>	30
	<b>Excess treated water</b>	59

  
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Wet season:	Source of water	MCGM/Recycled Water/RWH Tank
	Fresh water (CMD):	93
	Recycled water - Flushing (CMD):	52
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	145
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	30
	Excess treated water	65
Details of Swimming pool (If any)	NA	

### 33.Details of Total water consumed

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

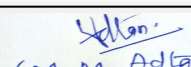
34.Rain Water Harvesting (RWH)	Level of the Ground water table:	2.5 m
	Size and no of RWH tank(s) and Quantity:	12 cum ( 2 days capacity)
	Location of the RWH tank(s):	at ground level
	Quantity of recharge pits:	nil
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Rs. 1.00 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 0.10 Lakhs
	Details of UGT tanks if any :	at 3rd Basement level

35.Storm water drainage	Natural water drainage pattern:	will be maintained
	Quantity of storm water:	? Total Actual Discharge:0.023cum/sec ? Total Design Discharge: 0.13 cum/sec
	Size of SWD:	• B = 0.40 m, D = 0.30 m

  
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<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	130 KLD
	<b>STP technology:</b>	MBBR
	<b>Capacity of STP (CMD):</b>	145 KLD
	<b>Location &amp; area of the STP:</b>	at 3rd basement level
	<b>Budgetary allocation (Capital cost):</b>	Rs. 20.00 Lakhs
	<b>Budgetary allocation (O &amp; M cost):</b>	Rs. 3.0 Lakhs

### 36.Solid waste Management

<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	construction debris material will be used for back filling or site leveling purpose wherever required.
	<b>Disposal of the construction waste debris:</b>	construction debris will be used for site and temporary internal roads and remaining debris shall be disposed of by covered trucks to the authorised dealers.
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	206 Kg/Day
	<b>Wet waste:</b>	309 Kg/Day
	<b>Hazardous waste:</b>	Nil
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	7 Kg/Day
	<b>Others if any:</b>	NA
<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	To be managed through recyclers.
	<b>Wet waste:</b>	To be processed in the Organic Waste Converter 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>	used as a manure
	<b>Others if any:</b>	Nil
<b>Area requirement:</b>	<b>Location(s):</b>	at ground level
	<b>Area for the storage of waste &amp; other material:</b>	63 sq.m.
	<b>Area for machinery:</b>	3.00 sq.m.
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs. 30.0 Lakhs
	<b>O &amp; M cost:</b>	Rs. 9.0 Lakhs

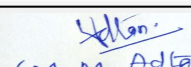
### 37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			

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

### 38.Hazardous Waste Details

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

### 39.Stacks emission Details

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

### 40.Details of Fuel to be used

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

41.Source of Fuel

Not applicable

42.Mode of Transportation of fuel to site


Not applicable

### 43.Green Belt Development

<b>Total RG area :</b>	14881.31 sq.m. ( layout RG area)
<b>No of trees to be cut :</b>	nil
<b>Number of trees to be planted :</b>	60 No.s
<b>List of proposed native trees :</b>	as per below
<b>Timeline for completion of plantation :</b>	at the time of completion of construction phase

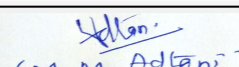
### 44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadirachta indica	neem	7	Medicinal value, To control soil erosion. To improve soil erosion
2	Michelia champaca	Sonchaffa	10	Medicinal value, Fragrant flowers, Butterfly larvae host plant, Bird attracting species, Fast growing.
3	Saraca indica	Sita-ashok	10	Medicinal value, Religious plant.
4	Alstonia scholaris	Saptaparni	5	Evergreen tropical tree
5	Roystonea regia	Royal Palm	7	ornamental
6	Syzygium cumini	Jamun	7	Medicinal value, Edible fruit.

  
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7	Pongamia pinnata	Karanj	7	Medicinal value, Drought tolerant species, To control soil erosion, Hardy plant.
8	Butea monosperma	Palas	7	Medicinal value, Bird attracting species, To control soil erosion.

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

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

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

**47.Energy**

<b>Power requirement:</b>	<b>Source of power supply :</b>	Reliance Energy
	<b>During Construction Phase: (Demand Load)</b>	100 Kw
	<b>DG set as Power back-up during construction phase</b>	100 Kva
	<b>During Operation phase (Connected load):</b>	1146 Kw
	<b>During Operation phase (Demand load):</b>	707 KW
	<b>Transformer:</b>	NA
	<b>DG set as Power back-up during operation phase:</b>	2 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:**

- 1 Total Saving Due to CFL / T5 Lamp for Common Area
- 2 Total Saving Due to LED
- 3 Total Saving Due to VFD for Lift and Pump
- 4 Total Saving Due to Solar Lighting for Lift Lobby & Street/Landscape Lighting


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

Serial Number	Energy Conservation Measures	Saving %
1	as above	Total saving = 13.8% Due to Solar = 2.6%

**50.Details of pollution control Systems**

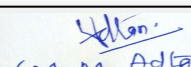
Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs.18.0Lakhs
	<b>O &amp; M cost:</b>	Rs. 1.0Lakhs

  
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## 51.Environmental Management plan Budgetary Allocation

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

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air environment	dust suppression	2.00
2	Land Environment	site sanitation	2.00
3	Environmental Monitoring	Analysis water , air, noise , soil etc.	15.0
4	EHS	Disinfection	1.50
5	EHS	Health Check up	3.0

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

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Water Environment	Rain Water Harvesting	1.00	0.1
2	Solid Waste	MSW	30.0	9.00
3	Water Environment	STP	20.0	3.00
4	Energy Saving	Energy Conservation	18.0	1.0
5	Land Environment	Landscaping	1.0	0.5

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


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

## 52.Any Other Information

No Information Available

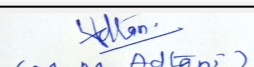
## 53.Traffic Management

<b>Nos. of the junction to the main road &amp; design of confluence:</b>	9.00 m wide internal access through 36.60 m wide DP road
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Member Secretary  
SEAC (MMR)  
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**Shri M.M.Adtani (Chairman SEAC-II)**

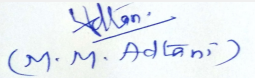


<b>Parking details:</b>	<b>Number and area of basement:</b>	3 Nos. 8810.69 Sq.Mt.
	<b>Number and area of podia:</b>	3 Nos. 11218.29 Sq.Mt.
	<b>Total Parking area:</b>	23698.24 Sq.Mt.
	<b>Area per car:</b>	30.00 sq.m.
	<b>Area per car:</b>	30.00 sq.m.
	<b>Number of 2-Wheelers as approved by competent authority:</b>	Nil
	<b>Number of 4-Wheelers as approved by competent authority:</b>	518 Nos.
	<b>Public Transport:</b>	Nil
	<b>Width of all Internal roads (m):</b>	6 m wide internal road
	<b>CRZ/ RRZ clearance obtain, if any:</b>	NA
	<b>Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries</b>	sanjay gandhi national Park = 3.05 Km
	<b>Category as per schedule of EIA Notification sheet</b>	Schedule 8a, Category B
	<b>Court cases pending if any</b>	NA
	<b>Other Relevant Informations</b>	This is an amendment project. Previously granted EC No. 21-565/2006-IA.III dated 05-07-2007
	<b>Have you previously submitted Application online on MOEF Website.</b>	No
	<b>Date of online submission</b>	-
<b>SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS</b>		
Not Available.		
<b>Brief information of the project by SEAC</b>		

  
(Dr. B. N. Patil)  
Member Secretary  
SEAC (MMR)  
**DR. B.N.Patil (Secretary  
SEAC-II)**

**SEAC Meeting No: 58 (Day 1) Meeting Date:  
April 5, 2018**

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



Environment Clearance for Proposed Building "La Citadel" on plot bearing CTS No. 1/190A to 1/190G & CTS No. 1D, (Old CTS No. 1/190 to 1/205), S. No. 41 (Pt) of Village Oshiwara, Andheri (West), Mumbai by M/s. Sheth Developers Pvt. Ltd.

PP submitted its application for modernization of the exiting project. it was informed that, project had earlier EC dated 05/07/2007 for the net plot area of 66360.49 Sq. Mtr.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8 (a) B2.

## DECISION OF SEAC


After deliberation committee decided to defer the matter for the compliance for observation.

### Specific Conditions by SEAC:

1) It was observed that, validity of the earlier EC is over & therefore, PP to submit detail proposal for appraisal along with all the approvals & concessions given to the project by concerned authorities. PP to also submit NOC for high rise. Further it was observed width of the access road should be minimum 12 mt. instead of 9m for proposed height of 128.75 m.

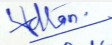
## FINAL RECOMMENDATION

SEAC-II decided to defer the proposal till PP submits the additional information as per above conditions within 30 days

  
(Dr. B. N. Patil)  
Member Secretary  
SEAC (MMR)  
**DR. B.N.Patil (Secretary  
SEAC-II)**

**SEAC Meeting No: 58 (Day 1) Meeting Date:  
April 5, 2018**

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