


## Agenda of 101th SEAC-2 Day-1 meeting held on 30th May, 2019

**SEAC Meeting number: 101 Meeting Date May 30, 2019**

**Subject:** Environment Clearance for "SUN CITY" Residential and Commercial Project.

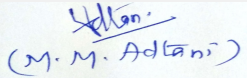
**Is a Violation Case:** No

<b>1.Name of Project</b>	Environmental Clearance for "SUN CITY" Residential and Commercial Project.
<b>2.Type of institution</b>	Private
<b>3.Name of Project Proponent</b>	Mr. Rakesh Kumar Wadhawan Address: Deewan Tower, Station road Vasai road , Thane -401202
<b>4.Name of Consultant</b>	Name-Mr. H.K. Desai Address: M/s. Enviro Analysts and Engineers Pvt. Ltd. B-1003, Enviro House, 10thFlr. Western Edge II, Western Express Highway, Borivali (E), Mumbai-400 066. Tel.: 28541647/48/67/68, Fax: 28541290
<b>5.Type of project</b>	Residential cum commercial
<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>	At S.NO. 96, H.NO. 11,14,8,15,5, 12, 1A, 7, 10, 2, 4A, 13,3,9,1B,4B&6, S.NO. 97, H.NO.1, 4, 6, 7, S.NO.108, H.NO.3, 4, 5, 6, 7, 8, 9, 15, 18, 19, S.NO.109, H.NO. 2A,2B,2C,3,4,5,6,7,8,9,10,11,12,13, 14, 15, 16, 17A,17B,17C,19,20, S.NO.111,H.NO. 1A, 3, 2, 4, 1B &5, S.NO. 110,H.NO. 1B,9,8, 11,3,7, 1A,2,4,6,10&5, S.NO.112,H.NO. 6, 3,5,2,1,4&7, S.NO. 113, H.NO.2, 3 & 1, S.NO.92, H.NO.4B, 4A,1,3,4C&2, S.NO.90,H.NO. 1,5,4&3, S.NO. 93, H.NO. 5, 2,1,4&3.S.NO. 94, S.NO.91, H-NO-2A, 2B& 2C,S.NO. 70, H.NO. 4&2. S. No. 91, H. No. 3/1, S. No. 95, H. No. 2,3,4,5, S. No. 97, H. No. 4,6,7,8, S. No. 98, H. No. 3,5 ,6,7,9, S. No. 106, H. No. 1,2,3,4, S. No. 107, H.No.1,2, 3,4,5,6,7,8,9,10, 11,12,13,14,15, 16, 17, 18,19, S. No. 108, H. No. 1,2,10,12,13,14,16,17,20,21, S. No. 109, H. No. 1,18, 21, Village: Diwanman & S. No. 24, H. No. 1, 2,3,4/2,4/4,8, S. No. 25, H. No. 6/9, 6/10, 8A, 8B, 8C, 9, S. No. 26, H.No. 1, 2, 3, 4A,4B,4C, 5, 6, 7, 8, 9, 10,11,12,13,14, S. No. 27, H. No. 1, 2, 3,4,5,6,7,8,9,10,11,12,13,14, S. No. 28, H. No. 4A,4B, S. No. 33, H. No. 8, 11, 12, 13A, 13B,15,18, S. No. 34, H. No. 1,2,3, 4,5,6,7,8,9, 10,11,12,13,14,15, 16,17,18, 19, 20,21, 22, 23,24,25,26, 4D, 4E,5, S. No. 37, H. No. 12, S. No. 38, H. No. 1A, 1B, 7A,7B, S. No. 205 S.NO. 192 of Village - Chulne & Diwanman, Vasai (W), Thane.
<b>9.Taluka</b>	thane
<b>10.Village</b>	Chulne & Diwanman
<b>Correspondence Name:</b>	Rakesh Kumar Wadhawan
<b>Room Number:</b>	-
<b>Floor:</b>	-
<b>Building Name:</b>	Deewan Tower
<b>Road/Street Name:</b>	Vasai Station road
<b>Locality:</b>	Vasai
<b>City:</b>	thane
<b>11.Area of the project</b>	Vasai Virar City Municipal Corporation
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	YES <b>IOD/IOA/Concession/Plan Approval Number:</b> CIDCO/VVSR/RDP/BP 3602 & 4503/W/5976. <b>Approved Built-up Area:</b> 194565
<b>13.Note on the initiated work (If applicable)</b>	Phase I - 62 nos of buildings (St/G +7 & G+1), prior to EIA Notification 2004
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	yes, CIDCO/VVSR/RDP/BP 3602 & 4503/W/5976 - 09/03/2010
<b>15.Total Plot Area (sq. m.)</b>	2,45,870.00 sq m
<b>16.Deductions</b>	86,065 sq m
<b>17.Net Plot area</b>	1,59,805.01 sq m
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> 85,127.74 <b>b) Non FSI area (sq. m.):</b> 26,239.56 <b>c) Total BUA area (sq. m.):</b> 111368

  
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(Secretary SEAC-II)

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18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 1,94,612.69
	Approved Non FSI area (sq. m.): 26,239.56
	Date of Approval: 09-03-2010
19.Total ground coverage (m2)	-
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	27 %
21.Estimated cost of the project	2400000000

## 22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Residential Buildings - 20 nos.	St / Gr + 14 floors	44.12
2	Row Houses 75 nos.	G+1 Floors	6.70

23.Number of tenants and shops	Residential - 1340 nos. and Row Houses - 75 nos. Shops - 88 nos.
24.Number of expected residents / users	Residential: 7075 nos. Shops: 176 nos. Total: 7251 nos.
25.Tenant density per hectare	205
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 mt wide DP road (Vasai Gass road)
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	7.5 m wide
29.Existing structure (s) if any	Phase I - 62 nos. of buildings constructed, construction has been completed which was commenced prior to EIA notification 2004.
30.Details of the demolition with disposal (If applicable)	there will be no demolition during Phase II development


## 31.Production Details

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

## 32.Total Water Requirement

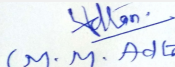
 <b>Mr. Surykant Nikam</b> (Secretary SEAC-II)	<b>SEAC Meeting No: 101 Meeting Date: May 30, 2019</b>	<b>Page 2 of 88</b>	 <b>Shri M.M.Adtani (Chairman SEAC-II)</b>
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Dry season:	Source of water	VVCMC & Recycled water							
	Fresh water (CMD):	641							
	Recycled water - Flushing (CMD):	322							
	Recycled water - Gardening (CMD):	152							
	Swimming pool make up (Cum):	NA							
	Total Water Requirement (CMD) :	1115							
	Fire fighting - Underground water tank(CMD):	300 cum - 2 tanks & 250 cum - 2 tanks							
	Fire fighting - Overhead water tank(CMD):	100 cum							
	Excess treated water	335 KLD							
Wet season:	Source of water	VVCMC & Recycled water							
	Fresh water (CMD):	641							
	Recycled water - Flushing (CMD):	322							
	Recycled water - Gardening (CMD):	NA							
	Swimming pool make up (Cum):	NA							
	Total Water Requirement (CMD) :	936							
	Fire fighting - Underground water tank(CMD):	300 cum - 2 tanks & 250 cum - 2 tanks							
	Fire fighting - Overhead water tank(CMD):	100 cum							
	Excess treated water	487 KLD							
Details of Swimming pool (If any)	NA								
<b>33.Details of Total water consumed</b>									
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

  
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<b>34. Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	3 m - 4 m
	<b>Size and no of RWH tank(s) and Quantity:</b>	RWH tank 1: 150 cum; RWH: 250 cum
	<b>Location of the RWH tank(s):</b>	Underground
	<b>Quantity of recharge pits:</b>	12 nos.
	<b>Size of recharge pits :</b>	1.5m x 1m x 2.5m
	<b>Budgetary allocation (Capital cost) :</b>	Rs. 42 lakhs
	<b>Budgetary allocation (O &amp; M cost) :</b>	2.5 lakh / yr
	<b>Details of UGT tanks if any :</b>	Location of tanks - At ground / Stilt level Domestic Tank= 642 cum Flushing Tank= 322cum Fire Tank = 300 Cum, 2 tanks and 250 cum 2 tanks.
<b>35. Storm water drainage</b>	<b>Natural water drainage pattern:</b>	As per the natural slope of the plot.
	<b>Quantity of storm water:</b>	4.7 cum/sec
	<b>Size of SWD:</b>	0.45 m x 0.30 m
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	899
	<b>STP technology:</b>	SBR (Sequential Batch Reactor)
	<b>Capacity of STP (CMD):</b>	920 KLD
	<b>Location &amp; area of the STP:</b>	Ground level and 736 sq m
	<b>Budgetary allocation (Capital cost):</b>	Rs. 180 lakhs
	<b>Budgetary allocation (O &amp; M cost):</b>	Rs. 24 lakhs
<b>36. Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	Empty cement bags: 13134 nos.; Steel: 40 MT; Scrap: 25 tons; Aerocan lightweight block: 17,865 Sq.m; Tiles/Marble & granite: 2500 sq m; Aluminum windows: 1270 sq m.
	<b>Disposal of the construction waste debris:</b>	Empty cement bags: Shall be sold to recyclers; Steel: Steel cut pieces shall be used as spacers and chairs in the structure and wastage of steel (balance non-usable steel of odd lengths) is sent for recycling; Scrap: Sold for recycling; Aerocan lightweight block: Block masonry assumed for toilet blocks only and other walls will be dry walls; Tiles/Marble & granite: To be used as crazy marble flooring in common areas and balance to be used for land filling. Aluminum windows: To be sent for recyc
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	1441 Kg/day
	<b>Wet waste:</b>	2136 kg/day
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	45 kg/day
	<b>Others if any:</b>	NA

<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Will be handed over to recyclers.
	<b>Wet waste:</b>	Biodegradable waste will be processed in OWC and manure so obtained will be used for landscaping
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	WILL BE USED AS MANURE
	<b>Others if any:</b>	NA
<b>Area requirement:</b>	<b>Location(s):</b>	ground
	<b>Area for the storage of waste &amp; other material:</b>	125 sq m
	<b>Area for machinery:</b>	10 sq m
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs. 16 lakhs
	<b>O &amp; M cost:</b>	Rs. 4 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

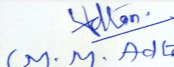
### 40. Details of Fuel to be used

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>	30,384.84 Sq. m
	<b>No of trees to be cut :</b>	NA
	<b>Number of trees to be planted :</b>	856 nos.
	<b>List of proposed native trees :</b>	As given below
	<b>Timeline for completion of plantation :</b>	Before Completion of project

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Peltophorum pterocarpum	Copper pod	45	-
2	Azadirachta indica	Neem	48	-
3	Erythrina indica	Coral tree	48	-
4	Mangifera indica	Mango tree	52	-
5	Cocos nucifera	Coconut tree	46	-
6	Aegleamar melos	Bael	48	-
7	Bombaxceiba	Red Silk Cotton	42	-
8	Terminaliacatappa	Badam	48	-
9	Pongamiaglabra	Karaj	44	-
10	Micheliachampaca	Champaka	42	-
11	Ficus racemosa	Umber	54	-
12	Butea monosperma	Palas	48	-
13	Mimusopselengi	Bakul	45	-
14	Borassusflabellifer	Toddy Palm	44	-
15	Bahuinea purpurea	Kanchan	48	-
16	Lagerstroemia speciosa	Taman	46	-
17	Ficus religiosa	Peepal	16	-
18	Terminalia bellirica	Baheda tree	46	-
19	Plumeriarubra	Chafa	46	-

#### 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

 <b>Mr. Surykant Nikam</b> (Secretary SEAC-II)	<b>SEAC Meeting No: 101 Meeting Date: May 30, 2019</b>	<b>Page 6 of 88</b>	 <b>Shri M.M.Adtani (Chairman SEAC-II)</b>
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<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<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>	17004 kW
	<b>During Operation phase (Demand load):</b>	8189 kW
	<b>Transformer:</b>	5 x 2500 KVA
	<b>DG set as Power back-up during operation phase:</b>	1 X 500 KVA, 1 x 100 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:

- Energy efficient lifts of 10HP capacity considered instead of the conventional 15HP lifts.
- LED light fixtures have been considered instead of the conventional CFL & PL light fixtures.
- Roof tops to be provided with the solar panels having battery back up for 8 - 10 hours. However the lights would have to be connected to the main electrical lines during monsoons. LED lights considered.
- Stand alone solar operated street lights to be used. However, the lights would have to be connected to the main electrical lines during monsoons. LED lights considered.

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

Serial Number	Energy Conservation Measures	Saving %
1	Total % Savings	13

#### 50. Details of pollution control Systems


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

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs. 100 lakhs
	<b>O &amp; M cost:</b>	Rs. 5 lakhs/yr

### 51. Environmental Management plan Budgetary Allocation

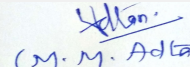
#### a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water Sprinkling, Green Belt Development, Covered storage area	15

  
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2	Noise Environment	Noise Barricades and Green Belt Developments	8
3	Water Environment	Modular STP, Drainage with sedimentation tanks	6
4	Good Health Practices	Site Sanitation & Health Care	8
5	Environment Monitoring	Air, water, noise soil monitoring during construction phase	22

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

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Rain Water Harvesting	RHW tanks	42	2.5
2	Waste water management	STP	180	24
3	Solid waste management	OWC	16	4
4	Landscaping	Green Belt Development	60	6
5	Energy conservation	Solar saving	100	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

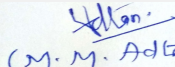
**53.Traffic Management**

Nos. of the junction to the main road & design of confluence:	2
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<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>	-
	<b>Area per car:</b>	32 sq m
	<b>Area per car:</b>	32 sq m
	<b>Number of 2-Wheelers as approved by competent authority:</b>	403 nos.
	<b>Number of 4-Wheelers as approved by competent authority:</b>	349 nos.
	<b>Public Transport:</b>	NA
	<b>Width of all Internal roads (m):</b>	6 m
	<b>CRZ/ RRZ clearance obtain, if any:</b>	As per the IRS Chennai report the salinity concentration was found to be less than 5 ppm in both winter and summer season. It is concluded that there was no tidal influence in the nallahs near by the site. And as per draft map published by MCZMZ, the project site does not fall in CRZ. The remarks from VVCMC, the site does not fall under the purview of CRZ Notification 2011, as per draft CZMP proposed by CESS
	<b>Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries</b>	NA
	<b>Category as per schedule of EIA Notification sheet</b>	8(B)
	<b>Court cases pending if any</b>	NA
	<b>Other Relevant Informations</b>	NA
	<b>Have you previously submitted Application online on MOEF Website.</b>	Yes
	<b>Date of online submission</b>	17-11-2018

## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summarised in brief information of Project as below.

### Brief information of the project by SEAC

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

PP informed that, the project under consideration is new *residential cum commercial project*. PP further stated that, the total plot area of the project is 2,45,870.00 Sq.mt. having total construction area 1,11,368 Sq.mt. (FSI - 85,127.74 sq.mt + NON FSI- 26,239.56 sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Residential Buildings - 20 nos.	St / Gr + 14 floors	44.12
Row Houses 75 nos.	G+1 Floors	6.70

It is noted that the project earlier considered in 92<sup>nd</sup> SEAC-2 Meeting held on 14-03-2019). & deferred with observations namely 1) to submit letter from Competent Wetland Authority/Collector in respect of all survey numbers and their sub divisions (pot-hissas) which clearly states the all or any of these survey numbers and their sub divisions (pot-hissas) fall as wetland in the existing wetland atlas or not. Accordingly, PP submitted the compliance which was taken on record.

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

## DECISION OF SEAC

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

### Specific Conditions by SEAC:

- 1) The PP to get NOC from competent authority with reference to Thane creek flamingo sanctuary if the project site falls within 10 Km radius from the said sanctuary boundary. The planning authority to ensure fulfilment of this condition before granting CC.
- 2) PP to submit CER prescribed by MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project or Environment Department may direct PP to undertake CER work in identified area, as identified by Environment Department.

## FINAL RECOMMENDATION

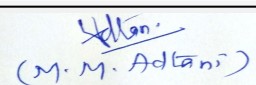
SEAC-II have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions



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SEAC-II)


## Agenda of 101th SEAC-2 Day-1 meeting held on 30th May, 2019

**SEAC Meeting number: 101 Meeting Date May 30, 2019**

**Subject:** Environment Clearance for for proposed modernization/ amendment in Environmental Clearance for Residential Project with SRA Scheme at Land bearing plot CTS No. 163 A(pt) of village Akurli, Kandivali (E), Mumbai, Maharashtra proposed by Shivam Developers

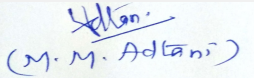
**Is a Violation Case:** No

<b>1.Name of Project</b>	M/s. Shivam Developers (Residential cum Commercial Project with SRA scheme)
<b>2.Type of institution</b>	Private
<b>3.Name of Project Proponent</b>	Girish Chheda; Shivam Developers
<b>4.Name of Consultant</b>	Mahabal Enviro Engg. Pvt. Ltd.; Dr. D. A. Patil
<b>5.Type of project</b>	Housing project with SRA Scheme
<b>6.New project/expansion in existing project/modernization/diversification in existing project</b>	Modernization/ Amendment in Environmental Clearance
<b>7.If expansion/diversification, whether environmental clearance has been obtained for existing project</b>	Obtained EC vide letter No. SEIAA-EC-0000000414 dt. 17.09.2018 for the plot area of 63,918.35 m <sup>2</sup> having FSI area: 2,29,862.84, Non-FSI area: 1,90,164.19 m <sup>2</sup> and the Total construction area: 4,20,0027.03 m <sup>2</sup>
<b>8.Location of the project</b>	Plot bearing CTS No. 163-A (pt) of village Akurli, Kandivali (E), Mumbai.
<b>9.Taluka</b>	Borivali
<b>10.Village</b>	Akurli
<b>Correspondence Name:</b>	Girish Chheda, SHIVAM DEVELOPERS
<b>Room Number:</b>	-
<b>Floor:</b>	-
<b>Building Name:</b>	218, Prem Baug
<b>Road/Street Name:</b>	Sir Bhalchandra Road
<b>Locality:</b>	Matunga C.R.
<b>City:</b>	Mumbai 400019
<b>11.Area of the project</b>	Planning Authority: Slum Rehabilitation Authority (SRA), Municipal Corporation: MCGM
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	Rehab Bldg. A-4 IOD No. SRA/ENG/26339/RS/MHL/AP 29.12.2017. Rehab Bldg. A-5 IOD No. SRA/ENG/2270/RS/MHL/AP 20.06.2013. Sale S-1 Bldg. IOD No. SRA/ENG/3069/RS/MHL/AP 26.05.2017. <b>IOD/IOA/Concession/Plan Approval Number:</b> REVISED LOI : SRA/ENG/1395/RS/MHL/AP dated 14.06.2016 <b>Approved Built-up Area:</b> 275373.96
<b>13.Note on the initiated work (If applicable)</b>	The construction is going on as per EC received.
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	REVISED LOI : SRA/ENG/1395/RS/MHL/AP dated 14.06.2016
<b>15.Total Plot Area (sq. m.)</b>	63,918.35 m <sup>2</sup>
<b>16.Deductions</b>	12,159.81 m <sup>2</sup>
<b>17.Net Plot area</b>	51,758.54 m <sup>2</sup>
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> 2,29,862.84 m <sup>2</sup> <b>b) Non FSI area (sq. m.):</b> 1,99,893.45 m <sup>2</sup> <b>c) Total BUA area (sq. m.):</b> 429756.29
<b>18 (b).Approved Built up area as per DCR</b>	<b>Approved FSI area (sq. m.):</b> 1,54,017.72 m <sup>2</sup> <b>Approved Non FSI area (sq. m.):</b> 1,21,356.24 m <sup>2</sup> <b>Date of Approval:</b> 14-06-2016
<b>19.Total ground coverage (m2)</b>	25318 m <sup>2</sup>
<b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>	40%
<b>21.Estimated cost of the project</b>	9040000000

  
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## 22. Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Rehab Building A-1	G + 23 floors	69.90 m
2	Rehab Building A-2	G + 23 floors	69.90 m
3	Rehab Building A-3	G + 23 floors	69.90 m
4	Rehab Building A-4	G + 18 floors	55.4 m
5	Rehab Building A-5	G + 18 floors	55.4 m
6	Rehab Building A-6	G + 23 floors	69.90 m
7	Rehab Building A-7	G + 2 floors	9.0 m
8	Rehab Shop Building No. 8	G + 1 floor	6.6 m
9	• Sale Buildings	-	-
10	Sale Building S1	2B + S + 1P + 21 Floors	69.95 m
11	Sale Building S2	S + 9P + 14 floors ( A & B wing) + 30 floors (C & D wing)	116.30 m
12	Sale Building S3	2B + S + 6P + 37 Floors	129.60 m
13	Sale Building S4	2B + S+ 1P + 51 Floors	169.95 m

<b>23. Number of tenants and shops</b>	Sale: 2,362 Nos. Fitness Center in each Sale Building Rehab: Flats: 2,132 Nos, Res/ Comm: 26 No., Comm: 292 Nos. PAP: 20 Nos. Amenities: 741 Nos. Dispensary
<b>24. Number of expected residents / users</b>	23,789 Nos.
<b>25. Tenant density per hectare</b>	855/ Ha
<b>26. Height of the building(s)</b>	
<b>27. Right of way (Width of the road from the nearest fire station to the proposed building(s))</b>	The project site is directly accessible by 18.30 m wide DP Road, 18.30 m wide Akurli Cross Road & Hanuman Nagar Road
<b>28. Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation</b>	9 m
<b>29. Existing structure (s) if any</b>	Yes, Slums
<b>30. Details of the demolition with disposal (If applicable)</b>	The demolition waste will be disposed as per the Construction and Demolition Waste Management Rules 2016.


## 31. Production Details

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

## 32. Total Water Requirement

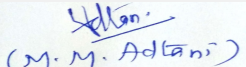
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Dry season:	Source of water	MCGM								
	Fresh water (CMD):	2,059 KLD								
	Recycled water - Flushing (CMD):	1,043 KLD								
	Recycled water - Gardening (CMD):	65 KLD								
	Swimming pool make up (Cum):	4 KLD								
	Total Water Requirement (CMD) :	3,118 KLD								
	Fire fighting - Underground water tank(CMD):	As per NBC								
	Fire fighting - Overhead water tank(CMD):	As per NBC								
	Excess treated water	1,770 KLD								
Wet season:	Source of water	MCGM + RWH								
	Fresh water (CMD):	1,802 + 257 KLD								
	Recycled water - Flushing (CMD):	1,043 KLD								
	Recycled water - Gardening (CMD):	-								
	Swimming pool make up (Cum):	4 KLD								
	Total Water Requirement (CMD) :	3,118 KLD								
	Fire fighting - Underground water tank(CMD):	As per NBC								
	Fire fighting - Overhead water tank(CMD):	As per NBC								
	Excess treated water	1,835 KLD								
Details of Swimming pool (If any)	Provided									
<b>33.Details of Total water consumed</b>										
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)			
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total	
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	


  
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<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	4 - 6 m
	<b>Size and no of RWH tank(s) and Quantity:</b>	RWH Tanks of total 515 KLD Capacity
	<b>Location of the RWH tank(s):</b>	Underground
	<b>Quantity of recharge pits:</b>	NA
	<b>Size of recharge pits :</b>	NA
	<b>Budgetary allocation (Capital cost) :</b>	Rs.118.5 Lacs
	<b>Budgetary allocation (O &amp; M cost) :</b>	Rs. 12 Lacs/year
	<b>Details of UGT tanks if any :</b>	UG Tanks will be provided as per NBC norms on ground
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	The slope of the site and area is towards north side.
	<b>Quantity of storm water:</b>	1.62 m <sup>3</sup> /s
	<b>Size of SWD:</b>	450 x 600, 450 x 750, 1200 x 1050, 750 x 750, 600 x 1000, 450 x 1200 mm wide SWD
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	2,908 KLD
	<b>STP technology:</b>	MBBR technology
	<b>Capacity of STP (CMD):</b>	Total: 3,000 KLD capacity (Rehab: 1,470 KLD & Sale: 1,530 KLD)
	<b>Location &amp; area of the STP:</b>	Ground
	<b>Budgetary allocation (Capital cost):</b>	Rs. 600 Lacs
	<b>Budgetary allocation (O &amp; M cost):</b>	Rs. 120 Lacs/year
<b>36.Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	Construction Debris: : 12,197 m <sup>3</sup>
	<b>Disposal of the construction waste debris:</b>	The construction debris will be disposed as per the Construction and Demolition Waste Management Rules 2016.
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	4,628 kg/d
	<b>Wet waste:</b>	6,942 kg/d
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	29 m <sup>3</sup> /d
	<b>Others if any:</b>	Household E waste generation

  
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<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Dry garbage will be handed over to authorized recyclers.
	<b>Wet waste:</b>	Wet garbage will be composted using Mechanical Composting Technology and used as organic manure for landscaping.
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	Sludge use as manure for gardening
	<b>Others if any:</b>	The E-waste shall be handed over to e-waste management vendor authorized by MPCB.
<b>Area requirement:</b>	<b>Location(s):</b>	Ground
	<b>Area for the storage of waste &amp; other material:</b>	420 m2
	<b>Area for machinery:</b>	210 m2
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs. 210 Lacs
	<b>O &amp; M cost:</b>	Rs. 84 Lacs/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

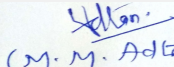
Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable

41. Source of Fuel	Not applicable
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42.Mode of Transportation of fuel to site	Not applicable
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<b>43.Green Belt Development</b>	<b>Total RG area :</b>	13,065 m2 (RG on Ground 9488.50 m2. RG on Podium: 3576.70 m2)
	<b>No of trees to be cut :</b>	42 Nos.
	<b>Number of trees to be planted :</b>	800 Nos.
	<b>List of proposed native trees :</b>	As Below
	<b>Timeline for completion of plantation :</b>	4-5 years

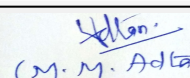
#### 44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Acacia auriculiformis	Acacia	22	An evergreen tree
2	Azadiracta Indica	Neem	32	Semi-evergreen tree with medicinal value
3	Pongamia Pinnata	Karanj	39	Shady tree
4	Terminilia Cuniata	Arjun	29	A evergreen avenue tree
5	Erythrina Indica	Pangara	35	Medium sized deciduous tree. Bright scarlet flowers
6	Mangifera Indica	Mango	46	An evergreen fruit bearing tree
7	Mangifera Zapota	Chiku	35	A small evergreen fruit bearing tree
8	Plumeria Alba	Chapa	49	Medium sized evergreen tree, fragrant white flowers, Butterfly host plant
9	Nefium Indicun	Kanher	35	A small evergreen shrub with pink flowers
10	Anthocephallus Cadamba	Kadamba	33	Shady, large deciduous tree, fastgrowing graceful tree, ball shaped flowers.
11	Aegle Marmelos	Bel	25	Small to medium-sized tree with medicinal and spiritual value
12	Peltophorum Ferrugineum	Copper Pod tree	33	A deciduous tree with yellow flowers
13	Millingtonia Hortensis	Indian Cork Tree	34	A evergreen tree with white flowers
14	Mimosups Elengi	Bakul	35	Shady tree, small white fragrant flowers
15	Acacia Catechu	Khair	37	A large deciduous tree
16	Lagerstromia Flosregineae	Tamhan	62	State flower tree of Maharashtra Medium sized tree, beautiful purple flowers
17	Nyctanthes arbor - tristis	Parijatak	63	Small deciduous fast growing tree, beautiful flowerers
18	Michelia Champaca	Son Chafa	70	Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plant

  
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19	Cassia Fistula	Bahava	45	Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plant
20	Psidium Guajava	Guava	41	A evergreen 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	-	-	-

**47.Energy**

<b>Power requirement:</b>	<b>Source of power supply :</b>	Reliance Energy Ltd.
	<b>During Construction Phase: (Demand Load)</b>	1000 kVA
	<b>DG set as Power back-up during construction phase</b>	500 kVA
	<b>During Operation phase (Connected load):</b>	40 MW
	<b>During Operation phase (Demand load):</b>	24 MW
	<b>Transformer:</b>	-
	<b>DG set as Power back-up during operation phase:</b>	Total Capacity: 9,000 kVA
	<b>Fuel used:</b>	HSD
	<b>Details of high tension line passing through the plot if any:</b>	No

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

Solar PV Panels on building Roof Top  
Solar Street lighting in landscape , common area passages  
Solar Hot Water


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

Serial Number	Energy Conservation Measures	Saving %
1	• Use of Energy Efficient Motors & Pumps • Use of Solar LED Street Lighting • Solar PV Panels on Roof Top • Use of Solar Hot water • Use of Energy Efficient	21.43%

**50.Details of pollution control Systems**

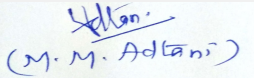
Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs. 400 Lacs
	<b>O &amp; M cost:</b>	Rs. 30 Lacs/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	-	74
2	Site sanitation and Potable Water Supply to Labour	-	18
3	Environmental Monitoring	-	4
4	Health check-up & first aid	-	7
5	Safety Personal Protective Equipment	-	12
6	Safety Nets	-	25
7	Traffic Management	(Sign Boards, Persons at entry exit and Parking area)	7
8	Tyre cleaning and Vehicle maintenance	-	6
9	Safety Training to Workers (Twice in Year), Safety Officer	-	10
10	Disinfection	-	5

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

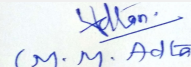
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP (Tertiary)	Continuous O & M	600	120
2	Solar System	Weekly	400	30
3	Rainwater harvesting	During rainy season (cleaning of UG tanks and filtration units before rainy season)	118.5	12
4	Solid Waste Composting plant	Continuous O & M Environment Monitoring: Monthly to assess the compost quality	210	84
5	Landscape	Daily	123.5	25
6	Environmental Monitoring	As per the CPCB guidelines through MoEF Approved laboratories	-	4

## 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

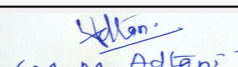
### 53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	-
Parking details:	Number and area of basement:	2 Basement: 24,140.04 m <sup>2</sup> (In each Bldg. i.e. S-1, S-3 & S4)
	Number and area of podia:	1 Podium for building No. S-1 & S-4, 9 Podiums for Building No. S-2, 6 Podiums for Building No. S-3 having total Podium Area: 48,377.56 m <sup>2</sup>
	Total Parking area:	Total Parking area: 85,762.21 m <sup>2</sup>
	Area per car:	26 m <sup>2</sup>
	Area per car:	26 m <sup>2</sup>
	Number of 2-Wheelers as approved by competent authority:	-
	Number of 4-Wheelers as approved by competent authority:	3,330 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	Sanjay Gandhi National Park: 1.5 km. (As per ESZ Notification of SGNP Borivali vide letter no. S.O.3645 (A) dt 05.12.2012, the site is not within 100 m ESZ of SGNP)
	Category as per schedule of EIA Notification sheet	8 (b)
	Court cases pending if any	No
	Other Relevant Informations	NA

  
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	<b>Have you previously submitted Application online on MOEF Website.</b>	No
	<b>Date of online submission</b>	-
<b>SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS</b>		
Summorisred in brief information of Project as below.		
<b>Brief information of the project by SEAC</b>		

SEAC-AGENDA-00000000274

PP Mr. Girish Chheda was present during the meeting along with environmental consultant M/s. Mahabal Enviro Engg. Pvt. Ltd

PP informed that, the project under consideration is *proposed Modernization/ Amendment in Environmental Clearance for housing project with SRA Scheme*. PP further stated that, the total plot area of the project is 63,918.35 Sq.mt having total construction area 429756.29 Sq. mt. (FSI - 2,29,862.84 Sq.mt + NON FSI- 1,99,893.45 Sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height
Rehab Building A-1	G + 23 floors	69.90 m
Rehab Building A-2	G + 23 floors	69.90 m
Rehab Building A-3	G + 23 floors	69.90 m
Rehab Building A-	4 G + 18 floors	55.4 m
Rehab Building A-5	G + 18 floors	55.4 m
Rehab Building A-6	G + 23 floors	69.90 m
Rehab Building A-7	G + 2 floors	9.0 m
Rehab Shop Building No. 8	G + 1 floor	6.6 m
Sale Buildings	--	--
Sale Building S1	2B + S + 1P + 21 Floors	69.95 m
Sale Building S2	S + 9P + 14 floors ( A & B wing) +30 floors (C & D wing)	116.30 m
Sale Building S3	2B + S + 6P + 37 Floors	129.60 m
Sale Building S4	2B + S+ 1P + 51 Floors	169.95 m

It is noted that, Project has received Environmental clearance vide letter dated 17.09.2018 for the plot area of 63,918.35Sq.mt having FSI area 2,29,862.84 Sq.mt Non-FSI area 1,90,164.19 Sq.mt and the Total construction area 4,20,0027.03Sq.mt. PP stated that, there is minor change in building configuration hence, applied for expansion. The change in building configuration is Sale Building S2: Part Base + S + 6P (pt. Res) +17 Floors (A to D wings) (i.e. total 23 Habitable floors) changes to **A & B wing**: S + 9P (pt. Res) + 14 floors (i.e. total 23 Habitable floors) and **C & D wing**: S + 9P (pt. Res) + 30 floors (i.e. total 39 Habitable floors) and Sale Building S3: 2B+S+6P+51 Floors changes to 2B+S+6P+37 Floors.

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

## DECISION OF SEAC

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

**Specific Conditions by SEAC:**

- 1) PP to submit the copy of HRC NoC.
- 2) PP to submit the Civil Aviation NoC, if applicable.
- 3) PP to upload the dated Architect certificate addressed to committee regarding building-wise construction done on site as per earlier EC.
- 4) PP to upload the copy of acknowledgement for plan submitted to local planning authority
- 5) The PP to get NOC from competent authority with reference to Thane creek flamingo sanctuary if the project site falls within 10 Km radius from the said sanctuary boundary. The planning authority to ensure fulfilment of this condition before granting CC.

**FINAL RECOMMENDATION**

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

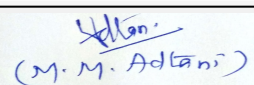
SEAC-AGENDA-0000000274



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

**SEAC Meeting No: 101 Meeting Date: May 30,  
2019**

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


## Agenda of 101th SEAC-2 Day-1 meeting held on 30th May, 2019

**SEAC Meeting number: 101 Meeting Date May 30, 2019**

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

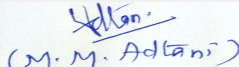
**Is a Violation Case:** No

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

  
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18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 100645.24
	Approved Non FSI area (sq. m.): 114008.05
	Date of Approval: 14-07-2017
19.Total ground coverage (m2)	43045.07
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	47.82%
21.Estimated cost of the project	9981000000

## 22.Number of buildings & its configuration

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

23.Number of tenants and shops	Flats-5955, Shops-337
24.Number of expected residents / users	Residential 29775 no.s +Commercial 1396 no.s with floating 68 no.s .
25.Tenant density per hectare	661
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	18 mt & 60.00 Mtr. D.P. Road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	6 Mtr.
29.Existing structure (s) if any	ESTELLA WING A,Wing B,Wing C,Wing D Upto 24 th Slab-Constructed Area 7415.56 Sq.mt ;ATRIA WING A ,Wing B upto 19th Slab Constructed Area 23528.34 sq.m;ELARA WING A- 1st slab tower area completed Constructed Area-1287.63 sq.m ; ELARA WING B-1st slab tower area casting will be completed on 10.08.2018 - Constructed area 1287.63

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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

<b>Dry season:</b>	<b>Source of water</b>	MBMC
	<b>Fresh water (CMD):</b>	2694
	<b>Recycled water - Flushing (CMD):</b>	Flushing 1369 Car washing 28
	<b>Recycled water - Gardening (CMD):</b>	110
	<b>Swimming pool make up (Cum):</b>	5
	<b>Total Water Requirement (CMD) :</b>	4206
	<b>Fire fighting - Underground water tank(CMD):</b>	3 Lakh litres for each building
	<b>Fire fighting - Overhead water tank(CMD):</b>	25000 LITRES for Each wing
	<b>Excess treated water</b>	1907
<b>Wet season:</b>	<b>Source of water</b>	MBMC
	<b>Fresh water (CMD):</b>	2694
	<b>Recycled water - Flushing (CMD):</b>	Flushing 1369 Car washing 28
	<b>Recycled water - Gardening (CMD):</b>	0
	<b>Swimming pool make up (Cum):</b>	5
	<b>Total Water Requirement (CMD) :</b>	4096
	<b>Fire fighting - Underground water tank(CMD):</b>	3 Lakh litres for each building
	<b>Fire fighting - Overhead water tank(CMD):</b>	25000 LITRES for Each wing
	<b>Excess treated water</b>	2017
<b>Details of Swimming pool (If any)</b>	Big pool : 27 M x 8 M , Area : 210 sq.m. and depth : 1.2 M Kids Pool : 18 M x 2.5 M , Area : 52 sq.m. and depth : 0.6 M	

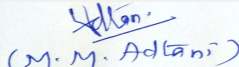
### 33.Details of Total water consumed

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

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

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

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

### 36.Solid waste Management

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

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

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

### 37. Effluent 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

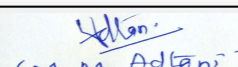
### 40. Details of Fuel to be used

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

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Attached	Attached	Attached	Attached

45.Total quantity of plants on ground

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

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

#### 47.Energy

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

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

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

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

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Serial Number	Energy Conservation Measures	Saving %
1	Will be provided after ToR approval	Will be provided after ToR approval

### 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:	SOLAR SYSTEM (SOLAR HOT WATER,STORAGE TANKS & ITS ANCILLARIES) CAPITAL COST - 1100 LACS
	O & M cost:	SOLAR SYSTEM (SOLAR PANELS,STORAGE TANKS & ITS ANCILLARIES) 35 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	STP	STP	680
2	OWC	OWC	110
3	RWH	RWH	45
4	Landscaping	Landscaping	44.2
5	Air	Dust mitigation	7
6	EHS	Site Sanitation,Hea Checkup, Labour Children Crech	15
7	Env Monitoring	Env Monitoring	3

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

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP	STP	Covered in construction period	75
2	OWC	OWC	Covered in construction period	18
3	RWH	RWH	Covered in construction period	2.50
4	Energy Saving	Energy Saving	Covered in construction period	45
5	Landscaping	Landscaping	Covered in construction period	5

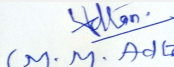
### 51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)

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

  
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## 52.Any Other Information


No Information Available

## 53.Traffic Management

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


## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-

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

SEAC-AGENDA-0000000274

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

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

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

It is noted that the project earlier considered in 97th SEAC-2 (Day-2) Meeting held on 25-04-2019 & deferred with observations namely 1) to submit the dated Architect certificate addressed to committee regarding building-wise configuration approved as per EC, construction (FSI,Non-FSI) done on site & proposed expansion. 2) to submit the copy of acknowledgement for plans submitted to the local planning Authority. 3) to submit the revised traffic analysis with minimum 7 days data (5Week days & 2 weekend) of peak hours & nonpeak hours near major junction of the project site. 4) to submit the table stating number of flats receiving direct sunlight & number of flats receiving diffused sunlight. 5) to submit the copy of letter of registrar of company regarding name change. 6) to superimpose layout plan of project on ESZ map of Sanjay Gandhi National park to verify the distance of project site from ESZ. 7) Local body to ensure that CC for the project will be issue only after compliance of letter dated 20/12/2014 issued by Executive Engineer, Water supply Department. 8) to submit the revenue records regarding conversion of plot 24/1 & 24/2 to 24/3 9) to ensure that activities proposed in the CER should be as per findings of socio-economic report. 10) to submit CER as per MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project or Environment Department may direct PP to undertake CER work in identified area, as identified by Environment Department. Accordingly, PP submitted the compliance which was taken on record.

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

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## DECISION OF SEAC

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

### Specific Conditions by SEAC:

- 1) PP circulated the revised CS during presentation. PP stated that there is change in details of Sr. No 14 of CS i.e details of LOI/NOC/IOD approvals. PP to revise the same online also.
- 2) Local body to ensure that CC for the project to be issued only after the compliance of letter dated 20.12.2014 issued by executive engineer, Water supply department.
- 3) PP to upload the traffic study calculations along with the date of monitoring.
- 4) The PP to get NOC from competent authority with reference to Thane creek flamingo sanctuary if the project site falls within 10 Km radius from the said sanctuary boundary. The planning authority to ensure fulfilment of this condition before granting CC.
- 5) PP to submit CER prescribed by MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project or Environment Department may direct PP to undertake CER work in identified area, as identified by Environment Department

## FINAL RECOMMENDATION

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

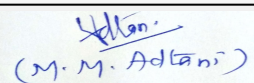
SEAC-AGENDA-0000000274



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## Agenda of 101th SEAC-2 Day-1 meeting held on 30th May, 2019

**SEAC Meeting number: 101 Meeting Date May 30, 2019**

**Subject:** Environment Clearance for PROPOSED RESIDENTIAL CUM COMMERCIAL DEVELOPMENT AT DADAR, MUMBAI

**Is a Violation Case:** No

1.Name of Project	Ave Maria
2.Type of institution	Private
3.Name of Project Proponent	Suraj Estate Developers Pvt. Ltd
4.Name of Consultant	EIA Coordinator: Saurab Jaiswar (Pollution & Ecological Control Services)
5.Type of project	Housing project with Commercial Redevelopment
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	F.P. No. 822, TPS IV, of Mahim Division, G/North ward, off R.B.S. K. Bole Marg, Dadar (W), Mumbai-400028
9.Taluka	Mumbai
10.Village	Mumbai
Correspondence Name:	Mr. Rajan Thomas
Room Number:	B-15
Floor:	-
Building Name:	Mahim Mata Building
Road/Street Name:	-
Locality:	Marinagar Colony, Mahim
City:	Mumbai 400 016
11.Area of the project	MCGM
12.IOD/IOA/Concession/Plan Approval Number	IOD copy
	<b>IOD/IOA/Concession/Plan Approval Number:</b> EB/2087/GN/A (building no.1)
	<b>Approved Built-up Area:</b> 8571.40
13.Note on the initiated work (If applicable)	Site work not yet started
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	IOD copy
15.Total Plot Area (sq. m.)	4022.61
16.Deductions	32.36
17.Net Plot area	3990.25
18 (a).Proposed Built-up Area (FSI & Non-FSI)	<b>a) FSI area (sq. m.):</b> 14356.07
	<b>b) Non FSI area (sq. m.):</b> 9483.12
	<b>c) Total BUA area (sq. m.):</b> 23839.18
18 (b).Approved Built up area as per DCR	<b>Approved FSI area (sq. m.):</b> 13196.73
	<b>Approved Non FSI area (sq. m.):</b> 8704.73
	<b>Date of Approval:</b> 29-05-2008
19.Total ground coverage (m2)	1875.11
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	47%
21.Estimated cost of the project	476783600

## 22.Number of buildings & its configuration

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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building 1	Basement + Ground floor + 1st to 24th floor + Terrace	75.65m
2	Building 2	Basement + Ground floor + 1st to 8th commercial floor + Terrace	34.05m
<b>23.Number of tenants and shops</b>	building 1 (Rehab) : Flats 134 nos. Shops 8 nos. and 2 community hall		
<b>24.Number of expected residents / users</b>	building 1 (Rehab): 667, Building 2 (Sale): 636		
<b>25.Tenant density per hectare</b>	336 Tenant /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>	90m wide R.B.S.K Bole road		
<b>28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation</b>	minimum 9m		
<b>29.Existing structure (s) if any</b>	NO		
<b>30.Details of the demolition with disposal (If applicable)</b>	The existing structures on site has been demolished and the Demolition waste has been disposed of as per the "Construction Demolition Waste (Management & Disposal) Rules 2016		

### 31.Production Details

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


### 32.Total Water Requirement

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Dry season:	Source of water	MCGM
	Fresh water (CMD):	58
	Recycled water - Flushing (CMD):	44
	Recycled water - Gardening (CMD):	2
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	104
	Fire fighting - Underground water tank(CMD):	Fire tank : 200 m3
	Fire fighting - Overhead water tank(CMD):	Fire tank : 30 m3
	Excess treated water	43
Wet season:	Source of water	MCGM
	Fresh water (CMD):	58
	Recycled water - Flushing (CMD):	44
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	102
	Fire fighting - Underground water tank(CMD):	Fire tank : 200m3
	Fire fighting - Overhead water tank(CMD):	Fire tank : 30 m3
	Excess treated water	45
Details of Swimming pool (If any)	Not applicable	

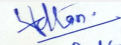
### 33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	0	58	58	0	11.6	11.6	0	46.4	46.4


  
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<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	5-6m
	<b>Size and no of RWH tank(s) and Quantity:</b>	1 no. of RWH tank capacity: 25.93 m <sup>3</sup>
	<b>Location of the RWH tank(s):</b>	Basement 1
	<b>Quantity of recharge pits:</b>	NA
	<b>Size of recharge pits :</b>	NA
	<b>Budgetary allocation (Capital cost) :</b>	2.5 Lakh
	<b>Budgetary allocation (O &amp; M cost) :</b>	0.5 Lakh
	<b>Details of UGT tanks if any :</b>	Basement: Fire tank : 200 m <sup>3</sup> , Domestic tank: 63.6 m <sup>3</sup> , Flushing:35 m <sup>3</sup> , RWH tank : 25.93 m <sup>3</sup>
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	The storm water collected through storm water drains of adequate capacity will be discharged into municipal SWD
	<b>Quantity of storm water:</b>	0.13 m <sup>3</sup> /s
	<b>Size of SWD:</b>	300 wide SWD starting depth 300 mm
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	Total sewage generation: 90 KLD [rehab: 65 KLD and Sale: 25 KLD]
	<b>STP technology:</b>	MBBR
	<b>Capacity of STP (CMD):</b>	1 no. STP (rehab): 90 KLD
	<b>Location &amp; area of the STP:</b>	Location: Basement opening at Ground floor area of the STP: 70m <sup>2</sup>
	<b>Budgetary allocation (Capital cost):</b>	22 Lakhs
	<b>Budgetary allocation (O &amp; M cost):</b>	3.6 Lakhs
<b>36.Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	90 kg/day
	<b>Disposal of the construction waste debris:</b>	scrap material will be disposed to Authorized Vendor
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	244.6 kg/day
	<b>Wet waste:</b>	167.45 kg/day
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	0.9 KLD
	<b>Others if any:</b>	NA

  
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<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Dry garbage will be segregated and disposed off to recyclers
	<b>Wet waste:</b>	Wet garbage will be composted using Organic Waste converter and InVessel Composter 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>	used as manure
	<b>Others if any:</b>	NA
<b>Area requirement:</b>	<b>Location(s):</b>	Ground floor
	<b>Area for the storage of waste &amp; other material:</b>	9 m2
	<b>Area for machinery:</b>	9m2
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	10 Lakhs
	<b>O &amp; M cost:</b>	1.5 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

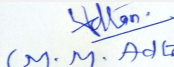
Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable

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>	326.95 m <sup>2</sup>
	<b>No of trees to be cut :</b>	10
	<b>Number of trees to be planted :</b>	50
	<b>List of proposed native trees :</b>	13
	<b>Timeline for completion of plantation :</b>	NA


#### 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 Religiosa	Pimpal	1	Pipal is large, fast growing deciduous glabrous tree
2	Manikara zapota	Chickoo	2	Fruit bearing tree
3	Michelia champaca	Champa	4	Evergreen and bird attractive tree
4	Mimusopes elengi	Bakul	4	Evergreen and timber yielding, medicinal plants
5	Ficus benjamica	Weeping Fig	7	Evergreen and bird attracting tree
6	Cassica fistula	Golden Shower	5	Drought tolerant and medicinal plant
7	Butea monosperma	Flame tree	7	Used in pesticide and dye preparation
8	Cassica grandis	Pink Shower	3	Drought tolerant and medicinal plant
9	Saraca indica	Sita ashoka	3	Evergreen medicinal plant
10	Roystonea regia	Royal Palm	4	Nitrogen fixer and ornamental plant
11	Syzygium cumini	Jambhul	3	Fruit bearing and bird attracting tree
12	Neolamarkia cadamba	Kadamba Tree	4	Tropical fruit tree and bird attracting tree
13	Mangifera indica	Mango tree	3	Evergreen and bird attracting 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 m <sup>2</sup>
1	Natal lily	-	-
2	Big lily	-	-
3	Sonn Takka	-	-
4	Fire bush	-	-
5	Adulasa	-	-
6	Nirgudi	-	-
7	Spider Plant	-	-
8	Mogra	-	-
9	Chitrak	-	-

  
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### 47. Energy

<b>Power requirement:</b>	<b>Source of power supply :</b>	Tata Power
	<b>During Construction Phase: (Demand Load)</b>	350 KVA
	<b>DG set as Power back-up during construction phase</b>	1 DG set of capacity 1500 KVA
	<b>During Operation phase (Connected load):</b>	1530 KW
	<b>During Operation phase (Demand load):</b>	648 KW
	<b>Transformer:</b>	1 transformer 1000 KVA
	<b>DG set as Power back-up during operation phase:</b>	1 DG set of capacity 1500 KVA
	<b>Fuel used:</b>	Low sulphur High speed diesel
	<b>Details of high tension line passing through the plot if any:</b>	NA

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

- Solar lighting in common areas, garden and road
- Solar hot water for residential buildings
- Solar street lights will be propose

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

Serial Number	Energy Conservation Measures	Saving %
1	% of non-renewable energy saving	39%
2	% of renewable energy saving	1.57%

### 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>	23 Lakhs
	<b>O &amp; M cost:</b>	2.3 Lakhs

### 51. Environmental Management plan Budgetary Allocation

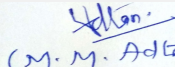
#### a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Barricading and dust suppression	Air pollution and Erosion control	4.5
2	Environmental Monitoring	Air, Water, Soil and Noise Monitoring	1.5

  
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3	PPE for workers (gloves, specs, boots etc.)	site safety and health safety	5
4	bio-toilets and basins	site sanitation	3
5	Health Checkups	Health safety	3

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

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP (Capacity: 90 m3/day)	Sewage Treatment Plant	22 Lakhs	3.6 lakhs
2	IVC (Total Biodegradable waste: 244.59 kg/day)	solid waste management	10 Lakhs	1.5 lakhs
3	Landscaping (RG area: 326.95 m2)	plantation	4 lakhs	0.8 lakhs
4	RWH (Capacity: 25.93 m3/day)	Water Conservation - 1 RWH tank	2.5 lakhs	0.5 lakhs
5	Solar and Renewable system	Energy Conservation	23 lakhs	2.3 lakhs
6	DMP	Disaster Management Plan	73.67 Lakhs	5 lakhs
7	Basement Air Cleaning Design	-	15 Lakhs	2.5 lakhs
8	Compliance Monitoring	-	-	1.5 lakhs

**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
NA	NA	NA	NA	NA	NA	NA	NA

**52.Any Other Information**

No Information Available

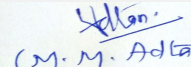
**53.Traffic Management**

Nos. of the junction to the main road & design of confluence:	2 entry/ exits at 30 m wide T. P. road and 1 entry/exit at 90m S.K. Bole road
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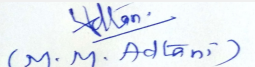
  
**Shri M.M.Adtani (Chairman SEAC-II)**

<b>Parking details:</b>	<b>Number and area of basement:</b>	01 Basement Area: 1346.37 m2 (Rehab Building), 1539 m2 (Sale Building)
	<b>Number and area of podia:</b>	NA
	<b>Total Parking area:</b>	1813.52 m2
	<b>Area per car:</b>	Basement : 30.60 m2, Ground: 93.43 m2
	<b>Area per car:</b>	Basement : 30.60 m2, Ground: 93.43 m2
	<b>Number of 2-Wheelers as approved by competent authority:</b>	48
	<b>Number of 4-Wheelers as approved by competent authority:</b>	64 (Sale) & 63 (Rehab)
	<b>Public Transport:</b>	NA
	<b>Width of all Internal roads (m):</b>	6 mt for 4 wheelers and for CFO, 13 mt for HMTV and LCV
	<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>		
Summorisred in brief information of Project as below.		
<b>Brief information of the project by SEAC</b>		

  
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Representative of PP was present during the meeting along with environmental consultant M/s. Pollution & Ecological Control Services.

PP informed that, the project under consideration is *proposed housing project with Commercial Redevelopment*. PP further stated that, the total plot area of the project is 4022.61 Sq.mt having total construction area 23839.18 Sq.mt.(FSI -14356.07Sq. mt. + NON FSI- 9483.12 Sq. mt.) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Building 1	Basement + Ground floor + 1st to 24th floor + Terrace	75.65m
Building 2	Basement + Ground floor + 1st to 8th commercial floor + Terrace	34.05m

It is noted that the project earlier considered in 93rd SEAC-2 (Day-2) Meeting held on 26-03-2019 & deferred with observations to submit structural report specifying how the building will be retrofitted to withstand load of proposed 24 floors instead of 15 floors which were approved earlier. Accordingly, PP submitted the compliance which was taken on record.

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


## DECISION OF SEAC

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

### Specific Conditions by SEAC:

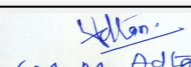
- 1) Local planning authority to ensure the structural stability of building for which vertical expansion is proposed.
- 2) The PP to get NOC from competent authority with reference to Thane creek flamingo sanctuary if the project site falls within 10 Km radius from the said sanctuary boundary. The planning authority to ensure fulfilment of this condition before granting CC.
- 3) PP to submit CER prescribed by MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project or Environment Department may direct PP to undertake CER work in identified area, as identified by Environment Department.

## FINAL RECOMMENDATION

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

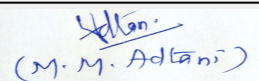
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**SEAC-II)**

## Agenda of 101th SEAC-2 Day-1 meeting held on 30th May, 2019


**SEAC Meeting number: 101 Meeting Date May 30, 2019**

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

**Is a Violation Case:** No

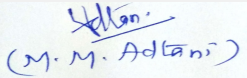
<b>1.Name of Project</b>	"RUNWAL INFINITY"
<b>2.Type of institution</b>	Private
<b>3.Name of Project Proponent</b>	M/s. RUNWAL CONSTRUCTIONS
<b>4.Name of Consultant</b>	M/s. Ultra-Tech
<b>5.Type of project</b>	Housing project
<b>6.New project/expansion in existing project/modernization/diversification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

## 22.Number of buildings & its configuration

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

23.Number of tenants and shops	Flats: 818 nos.
24.Number of expected residents / users	~ 4090 nos.
25.Tenant density per hectare	391/ hectars
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	32.00 mt. Wide Lal Bahadur Shastri Marg
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.00 mt.
29.Existing structure (s) if any	Part construction completed as per EC received.
30.Details of the demolition with disposal (If applicable)	Constructed Bldg. No. 2 will be demolished


### 31.Production Details

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

### 32.Total Water Requirement

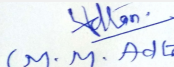
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Dry season:	Source of water	M.C.G.M/ Tanker water for Swimming pool make up								
	Fresh water (CMD):	368 KLD								
	Recycled water - Flushing (CMD):	184 KLD								
	Recycled water - Gardening (CMD):	38 KLD								
	Swimming pool make up (Cum):	3 KLD								
	Total Water Requirement (CMD) :	593 KLD								
	Fire fighting - Underground water tank(CMD):	500 KL								
	Fire fighting - Overhead water tank(CMD):	80 KL								
	Excess treated water	209 KLD								
Wet season:	Source of water	M.C.G.M/ Tanker water for Swimming pool make up/ Partly by RWH								
	Fresh water (CMD):	368 KLD								
	Recycled water - Flushing (CMD):	184 KLD								
	Recycled water - Gardening (CMD):	NA								
	Swimming pool make up (Cum):	3 KLD								
	Total Water Requirement (CMD) :	555 KLD								
	Fire fighting - Underground water tank(CMD):	500 KL								
	Fire fighting - Overhead water tank(CMD):	80 KL								
	Excess treated water	247 KLD								
Details of Swimming pool (If any)	Volume of Swimming pool: 200 Cum.									
<b>33.Details of Total water consumed</b>										
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)			
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total	
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	


  
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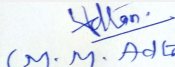
  
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<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	2.1 mt. to 8.8 mt. below ground level
	<b>Size and no of RWH tank(s) and Quantity:</b>	3 nos. of tanks of capacity 20 KL each
	<b>Location of the RWH tank(s):</b>	Underground
	<b>Quantity of recharge pits:</b>	--
	<b>Size of recharge pits :</b>	--
	<b>Budgetary allocation (Capital cost) :</b>	Rs. 15.00 Lacs
	<b>Budgetary allocation (O &amp; M cost) :</b>	Rs. 0.47 Lacs/annum
	<b>Details of UGT tanks if any :</b>	Location of UG tanks: Underground
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	The storm water collected through the storm water drains of adequate capacity will be discharged in to the external drain.
	<b>Quantity of storm water:</b>	0.53 m3/sec
	<b>Size of SWD:</b>	450 x 600 mm
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	479 KLD
	<b>STP technology:</b>	Moving Bed Bio Reactor (MBBR)
	<b>Capacity of STP (CMD):</b>	1 STP of capacity 530 KL
	<b>Location &amp; area of the STP:</b>	Ground level (Partly Underground) ; Area: 452 Sq. mt.
	<b>Budgetary allocation (Capital cost):</b>	Rs. 106.20 Lacs
	<b>Budgetary allocation (O &amp; M cost):</b>	Rs. 22.57 Lacs/annum
<b>36.Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	Not Applicable
	<b>Disposal of the construction waste debris:</b>	Construction material will be partly reused on site and remaining shall be disposed to Authorized landfill as per permission from M.C.G.M.
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	1104 kg/day
	<b>Wet waste:</b>	736 kg/day
	<b>Hazardous waste:</b>	Not Applicable
	<b>Biomedical waste (If applicable):</b>	Not Applicable
	<b>STP Sludge (Dry sludge):</b>	72 kg/day
	<b>Others if any:</b>	Not Applicable

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

### 37. Effluent Characteristics

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

### 38. Hazardous Waste Details


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

### 39. Stacks emission Details

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

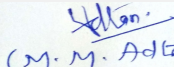
### 40. Details of Fuel to be used

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

  
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<b>43.Green Belt Development</b>	<b>Total RG area :</b>	RG area on ground: 3302.24 Sq. mt. ; RG area on on podium: 4866.32 Sq.mt.
	<b>No of trees to be cut :</b>	Dead trees: 10 nos.
	<b>Number of trees to be planted :</b>	377 nos.
	<b>List of proposed native trees :</b>	As mentioned below
	<b>Timeline for completion of plantation :</b>	Before occupancy

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Peltophorum pterocarpum	Copperpod	40	It is planted as ornamental plant. Bark of tree has medicinal properties.
2	Lagerstroemia speciosa	Taman	40	It is widely cultivated as an ornamental plant in tropical and subtropical areas. It has medicinal applications.
3	Plumeria alba	White frangipani	14	Tree that can tolerate a wide variety of soils, from acid to alkaline and sandy to clay.
4	Tabebuia rosea	Pink trumpet tree	40	Tree with medicinal properties.
5	Filicium decipiens	Fern leaf	40	Flowering tree
6	Delonix regia	Gulmohar	68	Shady trees with orange-red petals attract birds. It is planted as an ornamental tree
7	Bauhinia blakeana	Hong Kong Orchid Tree	40	Drought resistant tree. This medium size quick growing tree up to 20 feet tall.
8	Acacia auriculiformis	Earleaf acacia	40	Planted as ornamental plant, shady tree, wood is used for making paper, furniture and tools.
9	Samanea Saman	Rain Tree	05	It attracts birds and butterflies
10	Cassia fistula	Golden shower tree	17	Is widely grown as an ornamental plant. Growth for this tree is best in full sun on well-drained soil; it is relatively drought tolerant and slightly salt tolerant. It attracts bees and butterflies for pollination.
11	Michelia champaca	Champak	17	Medium sized evergreen tree, strongly fragrant yellow flowers used in perfume industry, Butterfly host plant
12	Terminalia mentaly	Madagascar Almond	16	It is planted as an ornamental tree.
<b>45.Total quantity of plants on ground</b>				

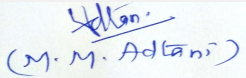
#### 46.Number and list of shrubs and bushes species to be planted in the podium RG:

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

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

### 47. Energy

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

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


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

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

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

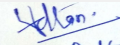
### 50. Details of pollution control Systems

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

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

## 51.Environmental Management plan Budgetary Allocation

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

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

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

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

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

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


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

### 52.Any Other Information

No Information Available

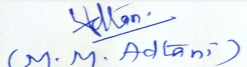
### 53.Traffic Management

Nos. of the junction to the main road & design of confluence:	One entry and exit
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<b>Parking details:</b>	<b>Number and area of basement:</b>	Not Applicable
	<b>Number and area of podia:</b>	2 Podia (Area: 28,312.00 Sq. mt.)
	<b>Total Parking area:</b>	56,705.62 Sq.mt.
	<b>Area per car:</b>	--
	<b>Area per car:</b>	--
	<b>Number of 2-Wheelers as approved by competent authority:</b>	78 nos.
	<b>Number of 4-Wheelers as approved by competent authority:</b>	1275 nos.
	<b>Public Transport:</b>	--
	<b>Width of all Internal roads (m):</b>	Minimum 6.00 mt.
	<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 0.5 Km; * NOC from Wild Life Board is Not Applicable as per final Notification reg. ESZ of SGNP published by MOEF & CC u/no. S.O.3645 (E) dated 05/12/2016 as our project site is not affected by the ESZ belt.
	<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>	--
	<b>Have you previously submitted Application online on MOEF Website.</b>	No
	<b>Date of online submission</b>	-
<b>SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS</b>		
Summorisred in brief information of Project as below.		
<b>Brief information of the project by SEAC</b>		

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

PP informed that, the project under consideration is *proposed housing Expansion and Amendment in EC project*. PP further stated that, the total plot area of the project is 24,406.20 Sq.mt. having total construction area 146944.05 Sq.mt. (FSI - 67,144.65 sq.mt + NON FSI- 79,799.40 sq.mt) and the building configuration is as follow-

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

It is noted that, Project has received Environmental clearance vide letter dated 16.11.2006 from MoEF, GoI. PP stated that, 25238.78Sq.mt construction already carried out as per earlier EC.

It is noted that the project earlier considered in 94<sup>th</sup> SEAC-2 Meeting held on 02-04-2019) & deferred with observations namely 1) to submit dated Architect certificate addressing to committee regarding building wise construction carried out on site as per earlier EC. Also mentioned the reasons for change in 1 habitable floor into parking. 2) PP may redesign rather than demolishing the building no -2 considering impact on environment. Accordingly, PP submitted the compliance which was taken on record.

During presentation, PP stated that, As per EC dated 16.11.2006 construction of building no 2 has been initiated & completed up to G+12 floors. But the project has been stopped due to forestland notification which was later challenged in the Hon. Supreme Court & finally in the year 2015 the side land de-notified, hence available for further construction. But for the span of 13 years (from 2006 to 2015 & now) the then carried & uncompleted construction of building no 2 was exposed to climatic conditions. PP submitted report by Mahimtura consultants Pvt.Ltd agency dated 3/4/2019 certifying that, the strength of the building is compromised by conducting Non-Destructive Test (NDT). The said agency hence, recommended to demolish and recast the structure to retrofit the code requirements.

PP also submitted the Concession report issued by MC, MCGM dated 29.06.2018 which insisted two staircase of width 1.50 mt for Building 2. For adding this staircase to the current structure would block the light and ventilation of the toilet ducts and lift lobby area completely as well as the minimum width required for exit passage as per the CFO norms is 2.00 mt. with a door opening of 1.20 mt. which are unable to provide in current structure.

PP further stated that, all possibilities of retrofitting the staircase and strengthening to comply with IS codes have been considered. Despite the losses of construction already carried out, it is proposed to demolish and reconstruct the building.

The project proposal was discussed on the basis of presentation made and documents submitted by the proponent. All issues

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

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## DECISION OF SEAC

**During presentation of wind analysis, shadow analysis, PP agreed to submit the requisite details in next meeting. In view of above, the proposal is deferred and if complied, proposal will be considered in next meeting.**

### Specific Conditions by SEAC:

- 1) PP to submit & upload the copy of Hon. Supreme court order quoted during presentation along with Non-Destructive Test (NDT) report & Concession report issued by MCGM.
- 2) During presentation the PP stated that high tension line is passing through the plot. But it is not mentioned in the CS. PP to include fact of existence of high tension line through plot in the CS and revise the CS to that extent.
- 3) Committee noted that around 900 brass demolition waste will be generated in the project. PP was asked to recycle the concrete debris for making paver blocks and use these in the project itself. Besides concrete debris, the PP to also reuse all other demolition waste like steel etc. to the extent possible in the project itself.
- 4) PP to ensure to take all measure to reduce air & noise pollution during demolition.
- 5) PP to submit the architect certificate regarding RG area to be provided. Also pp to ensure that paved RG should not be more than 50%. PP to provide permeable concrete/ Green paver to paved RG.
- 6) PP to revise the drawing of fire tender movement plan, the drawing should show all driveways.
- 7) PP to upload the storm water design & calculations.
- 8) PP to upload the details of traffic study like duration of the study, date of monitoring etc.
- 9) PP to submit the HRC NoC.
- 10) PP to upload CFO NoC.
- 11) PP to revise & submit the wind analysis, shadow analysis, traffic analysis, light and ventilation analysis reports and measures to reduce heat island effect

## FINAL RECOMMENDATION

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

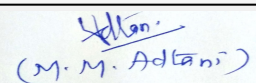
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## Agenda of 101th SEAC-2 Day-1 meeting held on 30th May, 2019

**SEAC Meeting number: 101 Meeting Date May 30, 2019**

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


**Is a Violation Case:** No

<b>1.Name of Project</b>	Comprehensive redevelopment and upgradation of Mahatma Jyotiba Phule Market (Crawford Market), Mumbai
<b>2.Type of institution</b>	Government
<b>3.Name of Project Proponent</b>	Municipal Architect Department, Municipal Corporation of Greater Mumbai
<b>4.Name of Consultant</b>	Aditya Environmental Services Pvt. Ltd.
<b>5.Type of project</b>	Commercial
<b>6.New project/expansion in existing project/modernization/diversification in existing project</b>	Redevelopment and upgradation
<b>7.If expansion/diversification, whether environmental clearance has been obtained for existing project</b>	Not applicable
<b>8.Location of the project</b>	Mahatma Phule Market (Crawford Market), CS No. 1481, Fort Division, 'A' Ward, Mumbai - 400001
<b>9.Taluka</b>	Fort Division, 'A' Ward
<b>10.Village</b>	Not applicable
<b>Correspondence Name:</b>	Ms. Kruti Garg
<b>Room Number:</b>	201, B Wing
<b>Floor:</b>	NA
<b>Building Name:</b>	Amrit
<b>Road/Street Name:</b>	Carter Road
<b>Locality:</b>	Khar (West)
<b>City:</b>	Mumbai
<b>11.Area of the project</b>	Municipal Corporation of Greater Mumbai (MCGM)
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	CHE/37/BPspcell/AA/337 <b>IOD/IOA/Concession/Plan Approval Number:</b> CHE/37/BPspcell/AA/337 <b>Approved Built-up Area:</b> 29725.58
<b>13.Note on the initiated work (If applicable)</b>	NA
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	Approval from Mumbai Heritage Conservation Committee
<b>15.Total Plot Area (sq. m.)</b>	22,394.62
<b>16.Deductions</b>	3359.19
<b>17.Net Plot area</b>	19,035.43
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	a) FSI area (sq. m.): 29,725.58 b) Non FSI area (sq. m.): 7,600.17 c) Total BUA area (sq. m.): 37325.75
<b>18 (b).Approved Built up area as per DCR</b>	Approved FSI area (sq. m.): 29,725.58 Approved Non FSI area (sq. m.): 7,600.17 Date of Approval: 06-06-2016
<b>19.Total ground coverage (m2)</b>	5478
<b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>	24.26
<b>21.Estimated cost of the project</b>	2101517498

## 22.Number of buildings & its configuration

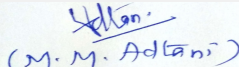
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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)	
1	Block-1	Basement + Lower Ground Floor + Upper Ground Floor + 1st floor (having double atrium)	17.25	
2	Block-3	Basement + Lower Ground Floor + Upper Ground Floor + 1st Floor (double atrium) to 3rd Floor	20.75	
3	Block-4	Basement + Lower Ground Floor + Upper Ground Floor + 1st to 2nd Floors + dome type heritage structure	20.75	
4	Restoration of Block-2 (Existing beef market), Heritage Fountain and Heritage Chhatri	NA	NA	
<b>23.Number of tenants and shops</b>	Fruit vendors - 139; Juna Karyalaya - 34; Bird & Pet vendors - 19; Fowl/Poultry vendors - 19; New Karyalaya - 16; Mutton - 154; Egg - 19; Royal Touch - 78; China Bazaar - 74; CSM Fish Wholesale - 94; CSM Fish Retail - 208; CSM Fish Parcel - 30; CSM Dry Fish - 11; CSM Eggs - 22; CSM Fish Pedi - 23			
<b>24.Number of expected residents / users</b>	Commercial Users: 3305			
<b>25.Tenant density per hectare</b>	1 person per 10 sq. m.			
<b>26.Height of the building(s)</b>				
<b>27.Right of way (Width of the road from the nearest fire station to the proposed building(s))</b>	25m			
<b>28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation</b>	9m			
<b>29.Existing structure (s) if any</b>	Along with the existing historic fruits and vegetables market and clock tower, the structures which will be restored are: (1) Block-2 (Existing beef market) (2) Heritage Fountain (3) Heritage Chhatri			
<b>30.Details of the demolition with disposal (If applicable)</b>	Demolition of existing Block-1, Block-3 and Block-4. The inert debris generated from demolition will be utilized for backfilling on site as far as possible and remaining will be disposed to authorized disposal site. Recyclables will be handed over to scrap dealers for recycling			
<b>31.Production Details</b>				
Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable
<b>32.Total Water Requirement</b>				


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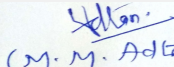
  
 (M. M. Adtani)  
**Shri M.M.Adtani (Chairman SEAC-II)**

Dry season:	Source of water	MCGM for fresh water and STP treated water for flushing and gardening								
	Fresh water (CMD):	66 cmd								
	Recycled water - Flushing (CMD):	83 cmd								
	Recycled water - Gardening (CMD):	1 cmd								
	Swimming pool make up (Cum):	0								
	Total Water Requirement (CMD) :	150 cmd								
	Fire fighting - Underground water tank(CMD):	300 cmd								
	Fire fighting - Overhead water tank(CMD):	20 cmd								
	Excess treated water	0								
Wet season:	Source of water	MCGM for fresh water and STP treated water for flushing								
	Fresh water (CMD):	66 cmd								
	Recycled water - Flushing (CMD):	83 cmd								
	Recycled water - Gardening (CMD):	0								
	Swimming pool make up (Cum):	0								
	Total Water Requirement (CMD) :	149 cmd								
	Fire fighting - Underground water tank(CMD):	300 cmd								
	Fire fighting - Overhead water tank(CMD):	20 cmd								
	Excess treated water	0								
Details of Swimming pool (If any)	NA									
<b>33.Details of Total water consumed</b>										
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)			
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total	
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	

  
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 (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>	1.2 mt to 2.6 mt	
	<b>Size and no of RWH tank(s) and Quantity:</b>	1 No. of RWH tank of 130 cmd	
	<b>Location of the RWH tank(s):</b>	Underground tank near the centre of the project site	
	<b>Quantity of recharge pits:</b>	2	
	<b>Size of recharge pits :</b>	Not available	
	<b>Budgetary allocation (Capital cost) :</b>	Rs. 5 lakh	
	<b>Budgetary allocation (O &amp; M cost) :</b>	NA	
	<b>Details of UGT tanks if any :</b>	1 No. of RWH tank of 130 cmd	
<b>35. Storm water drainage</b>	<b>Natural water drainage pattern:</b>	Natural drainage pattern will be maintained	
	<b>Quantity of storm water:</b>	Will be designed as per maximum rainfall	
	<b>Size of SWD:</b>	Storm water drainage facility as per the remarks of concerned authority using 300 mm dia. and 450 mm dia. RC pipes of NP3 class	
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	142 KLD	
	<b>STP technology:</b>	MBBR	
	<b>Capacity of STP (CMD):</b>	STP capacity = 134 cmd, ATP capacity = 60 cmd	
	<b>Location &amp; area of the STP:</b>	Location: STP near Block-1 and ATP near Block-3 Area = STP - 150 sq. m. / ATP - 76 sq.mt	
	<b>Budgetary allocation (Capital cost):</b>	Rs. 48 lakh	
	<b>Budgetary allocation (O &amp; M cost):</b>	Rs. 14.48 lakh (for first year) and Rs. 18.10 lakh (for second year)	
<b>36. Solid waste Management</b>			
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	91,324 cum earthwork from excavation	
	<b>Disposal of the construction waste debris:</b>	The excavated material removed during excavation will be used as far as possible as filling material. Balance material, if any, will be disposed off to authorized MSW site . Bricks, metal chips, cut tiles will be used for internal paving. The damaged / cut pieces of steel, glass etc. will be sold to the scrap dealer. Remaining will be sold off to authorized dealers.	
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	248 kg/ day	
	<b>Wet waste:</b>	578 kg/ day	
	<b>Hazardous waste:</b>	Waste / Spent Oil from DG Set & Transformers	
	<b>Biomedical waste (If applicable):</b>	NA	
	<b>STP Sludge (Dry sludge):</b>	Approx. 14.20 kg/ day	
	<b>Others if any:</b>	NA	
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<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Segregation and sale of recyclables, inerts to approved landfill site
	<b>Wet waste:</b>	Organic Waste Composter (OWC)
	<b>Hazardous waste:</b>	Used oil from DG sets to be sold to authorized oil waste recycler
	<b>Biomedical waste (If applicable):</b>	Not applicable
	<b>STP Sludge (Dry sludge):</b>	To be mixed with wet waste and to use it as compost after proper drying
	<b>Others if any:</b>	NA
<b>Area requirement:</b>	<b>Location(s):</b>	Basement
	<b>Area for the storage of waste &amp; other material:</b>	50 sq m
	<b>Area for machinery:</b>	Included in above
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs 16.00 lakh
	<b>O &amp; M cost:</b>	Rs 2.40 lakh/ yr

### 37. Effluent Characteristics

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

### 38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used / spent oil	5.1	KL/Annum	Nil	As and when generated	As and when generated	To be sold to authorized oil waste recyclers

### 39. Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	DG Set (1 Nos. Of capacity 750 kVA each)	HSD	1	As per CPCB guidelines	As per CPCB guidelines	Not applicable

### 40. Details of Fuel to be used

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

41. Source of Fuel	Local Petrol Pump
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42.Mode of Transportation of fuel to site		Tanker		
<b>43.Green Belt Development</b>	<b>Total RG area :</b>	3,359.19 sq.m.		
	<b>No of trees to be cut :</b>	0		
	<b>Number of trees to be planted :</b>	34		
	<b>List of proposed native trees :</b>	Lagerstroemia speciosa, Plumeria rubra, Tabebuia agentia		
	<b>Timeline for completion of plantation :</b>	4 years from commencement of construction		
<b>44.Number and list of trees species to be planted in the ground</b>				
<b>Serial Number</b>	<b>Name of the plant</b>	<b>Common Name</b>	<b>Quantity</b>	<b>Characteristics &amp; ecological importance</b>
1	Lagerstroemia speciosa	Pride of India	6	Evergreen, Native
2	Plumeria rubra	Frangipani	21	Evergreen, Native, Flowering
3	Tabebuia agentia	Silver Trumpet	7	Evergreen, Native
<b>45.Total quantity of plants on ground</b>				
<b>46.Number and list of shrubs and bushes species to be planted in the podium RG:</b>				
<b>Serial Number</b>	<b>Name</b>	<b>C/C Distance</b>	<b>Area m2</b>	
1	Asystasia gangetia	150-200 mm	As per landscape plan	
2	Bacopa mannieri	150-200 mm	As per landscape plan	
3	Jasminum multiflorum	150-200 mm	As per landscape plan	
4	Achyranthes aspera	300-600 mm	As per landscape plan	
5	Plumbago indica	300-600 mm	As per landscape plan	
6	Polyscias fruticosa dwarf	300-600 mm	As per landscape plan	
7	Clerodendron inerme	300-600 mm	As per landscape plan	
8	T.M.C. Dwarf	300-600 mm	As per landscape plan	
<b>47.Energy</b>				

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<b>Power requirement:</b>	<b>Source of power supply :</b>	BEST
	<b>During Construction Phase: (Demand Load)</b>	100 kW
	<b>DG set as Power back-up during construction phase</b>	Not applicable
	<b>During Operation phase (Connected load):</b>	1419.36 kW
	<b>During Operation phase (Demand load):</b>	1206.57 kW
	<b>Transformer:</b>	1184.71 KVA
	<b>DG set as Power back-up during operation phase:</b>	1 No. of DG set of capacity 750 kVA will be provided as emergency power back-up
	<b>Fuel used:</b>	HSD
	<b>Details of high tension line passing through the plot if any:</b>	NA

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

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

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

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

#### 50. Details of pollution control Systems

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

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

### 51. Environmental Management plan Budgetary Allocation

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

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

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

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

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


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

**52.Any Other Information**

No Information Available

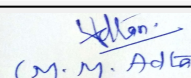
**53.Traffic Management**

Nos. of the junction to the main road & design of confluence:	J. J. Flyover (connecting to Eastern Express Highway), D. N. Road and Lokmanya Tilak Road are abutting to the project site.
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Shri M.M.Adtani (Chairman SEAC-II)



<b>Parking details:</b>	<b>Number and area of basement:</b>	Provision of 1 common basement for structures to be redeveloped (i.e. Block-1, Block-3 and Block-4) Area of basement = 5908.50 sq. m.
	<b>Number and area of podia:</b>	NA
	<b>Total Parking area:</b>	3465.75 sq.mt
	<b>Area per car:</b>	13.75 sq.mt & 10.35 sq.mt
	<b>Area per car:</b>	13.75 sq.mt & 10.35 sq.mt
	<b>Number of 2-Wheelers as approved by competent authority:</b>	Required: NA Proposed: NA
	<b>Number of 4-Wheelers as approved by competent authority:</b>	Proposed (car parking spaces): 166 Proposed (truck parking spaces): 10
	<b>Public Transport:</b>	Bus and Railway facility nearby
	<b>Width of all Internal roads (m):</b>	9m
	<b>CRZ/ RRZ clearance obtain, if any:</b>	Not Applicable
	<b>Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries</b>	Not Applicable
	<b>Category as per schedule of EIA Notification sheet</b>	8 (b)
	<b>Court cases pending if any</b>	Not Applicable
	<b>Other Relevant Informations</b>	NA
	<b>Have you previously submitted Application online on MOEF Website.</b>	No
	<b>Date of online submission</b>	-

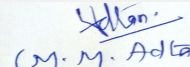
## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

  
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Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

**Brief information of the project by SEAC**

**DECISION OF SEAC**


From PP (MCGM) side, quite junior officers like Asstt. Engineer (Market) and Sr. Architect, who are not able to take any decision of their own were present. Considering the scope of project and particularly the heritage structure, it is desirable that senior officials like DMC/Asstt Commissioner of Market department and Municipal Architect remain present to present the project in detail. **view of above the project was deferred.**

**Specific Conditions by SEAC:**

**FINAL RECOMMENDATION**

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

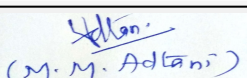
SEAC-AGENDA/2019/000274



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

## Agenda of 101th SEAC-2 Day-1 meeting held on 30th May, 2019


**SEAC Meeting number: 101 Meeting Date May 30, 2019**

**Subject:** Environment Clearance for Amendment in Environment Clearance for "Tharwani Ariana" Proposed Residential Buildings with shipline on plot bearing Survey No. 133, Hissa No. 1(P), Barve Dam Road, Shiv Mandir Talao, Chikloli, Ambernath (W), District Thane by M/s. Tharwani Realty

**Is a Violation Case:** No

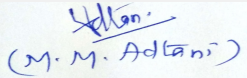
<b>1.Name of Project</b>	"THARWANI ARIANA"
<b>2.Type of institution</b>	Private
<b>3.Name of Project Proponent</b>	M/s. Tharwani Realty (Through its Proprietor Mr. Anil H Tharwani)
<b>4.Name of Consultant</b>	EIA Coordinator: Sourabh Jaiswar ; SGM corporate consultants pvt ltd
<b>5.Type of project</b>	Housing Project
<b>6.New project/expansion in existing project/modernization/diversification in existing project</b>	Expansion
<b>7.If expansion/diversification, whether environmental clearance has been obtained for existing project</b>	EC received Vide Letter No. SEAC-2013/CR-368/TC-1 dated. 1st April, 2015.
<b>8.Location of the project</b>	Survey No. 133, Hissa No. 1(P)
<b>9.Taluka</b>	Ambernath
<b>10.Village</b>	Chikloli
<b>Correspondence Name:</b>	M/s. Tharwani Realty
<b>Room Number:</b>	310-313
<b>Floor:</b>	3rd Floor
<b>Building Name:</b>	Persipolis premises CHS
<b>Road/Street Name:</b>	Plot NO. 74, Sector 17
<b>Locality:</b>	Vashi
<b>City:</b>	Navi Mumbai
<b>11.Area of the project</b>	Ambernath Municipal Council
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	IOD Received From AMC
	<b>IOD/IOA/Concession/Plan Approval Number:</b> AMC/NRV/BP/2017-18/852 dated 26.05.2017
	<b>Approved Built-up Area:</b> 44650.00
<b>13.Note on the initiated work (If applicable)</b>	Construction work is in progress on site as per EC received Vide Letter No. SEAC-2013/CR-368/TC-1 dated. 1st April, 2015
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	Approval Received From Ambernath Municipal Council
<b>15.Total Plot Area (sq. m.)</b>	20000
<b>16.Deductions</b>	1910
<b>17.Net Plot area</b>	18090
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> 49174.00
	<b>b) Non FSI area (sq. m.):</b> 21972.00
	<b>c) Total BUA area (sq. m.):</b> 71146.00
<b>18 (b).Approved Built up area as per DCR</b>	<b>Approved FSI area (sq. m.):</b> 27520.00
	<b>Approved Non FSI area (sq. m.):</b> 17120.00
	<b>Date of Approval:</b> 26-05-2017
<b>19.Total ground coverage (m2)</b>	4845.62
<b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>	26.78%
<b>21.Estimated cost of the project</b>	127250000000

## 22.Number of buildings & its configuration

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

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

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A -Type	Gr+7 Floor	23.10 m
2	B1-Type	Gr+7 Floor	23.10 m
3	B2-Type	Gr+7 Floor	23.10 m
4	C1-Type	Gr+7 Floor	23.10 m
5	C2-Type	Gr+7 Floor	23.10 m
6	D1-Type	Gr + 20 Floor	61.05 m
7	D2-Type	Gr + 20 Floor	61.05 m
8	E1-Type	Gr + 31 Floor	91.20 m
9	E2-Type	Gr + 31 Floor	91.20 m
10	F-Type	Gr +7 Floor	23.10 m
11	G-Type	Gr +7 Floor	23.10 m
12	G1-Type	Gr +7 Floor	23.10 m
13	H1-Type	Gr +7 Floor	23.10 m
14	H2-Type	Gr +7 Floor	23.10 m
15	Club House	Gr + 1 Floor	8.85 m

<b>23.Number of tenants and shops</b>	Flats: 1046 No's Shops: 26 No's
<b>24.Number of expected residents / users</b>	Flats: 5230 No's; Shops: 78 No's ; Total: 5308 No's
<b>25.Tenant density per hectare</b>	488 tenant / 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 at South Direction of project site
<b>28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation</b>	7 m
<b>29.Existing structure (s) if any</b>	Construction work is in progress on site as per EC received Vide Letter No. SEAC-2013/CR-368/TC-1 dated. 1st April, 2015
<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

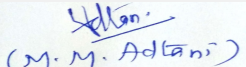
 <b>Mr. Surykant Nikam</b> (Secretary SEAC-II)	<b>SEAC Meeting No: 101 Meeting Date: May 30, 2019</b>	<b>Page 68</b> <b>of 88</b>	 <b>Shri M.M.Advani (Chairman SEAC-II)</b>
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Dry season:	Source of water	AMC / Recycle water								
	Fresh water (CMD):	478 KLD								
	Recycled water - Flushing (CMD):	238 KLD								
	Recycled water - Gardening (CMD):	32 KLD								
	Swimming pool make up (Cum):	30 cum								
	Total Water Requirement (CMD) :	748 KLD								
	Fire fighting - Underground water tank(CMD):	4 No X 75 cum								
	Fire fighting - Overhead water tank(CMD):	10 No X 25 cum ; 4 No X 10 cum								
	Excess treated water	288 KLD								
Wet season:	Source of water	AMC / Recycle water / RWH								
	Fresh water (CMD):	478 KLD								
	Recycled water - Flushing (CMD):	238 KLD								
	Recycled water - Gardening (CMD):	0								
	Swimming pool make up (Cum):	NIL								
	Total Water Requirement (CMD) :	716 KLD								
	Fire fighting - Underground water tank(CMD):	4 No X 75 cum								
	Fire fighting - Overhead water tank(CMD):	10 No X 25 cum ; 4 No X 10 cum								
	Excess treated water	320 KLD								
Details of Swimming pool (If any)	120.73 sq.mt depth 1.2 m Source : 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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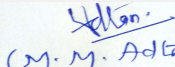
  
**Shri M.M.Adtani (Chairman SEAC-II)**

<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	3 m
	<b>Size and no of RWH tank(s) and Quantity:</b>	Wing A1, A2, B1, B2 = 67 cum Wing A3, A4, B3, B4 = 68 cum Wing A5, B6 = 34 cum Wing C1, C2, B5 = 65 cum Wing A6, A7, B7, B8, B9 = 80 cum Wing D, E1, E2 = 93 cum Club House = 24 cum
	<b>Location of the RWH tank(s):</b>	Ground Level
	<b>Quantity of recharge pits:</b>	NA
	<b>Size of recharge pits :</b>	NA
	<b>Budgetary allocation (Capital cost) :</b>	64 Lakhs
	<b>Budgetary allocation (O &amp; M cost) :</b>	Rs. 3 Lakhs / annum
	<b>Details of UGT tanks if any :</b>	Ground level
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	NE -SW
	<b>Quantity of storm water:</b>	0.187 cum / sec
	<b>Size of SWD:</b>	600 mm X 500 mm
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	621 KLD
	<b>STP technology:</b>	MBBR
	<b>Capacity of STP (CMD):</b>	630 cum
	<b>Location &amp; area of the STP:</b>	Ground level, Area: 425 sq.mt
	<b>Budgetary allocation (Capital cost):</b>	Rs. 86 Lakhs
	<b>Budgetary allocation (O &amp; M cost):</b>	Rs. 11 Lakhs/ annum
<b>36.Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	11280 cum of Excavated soil have used for land level within the project site.
	<b>Disposal of the construction waste debris:</b>	Debris will be used for backfilling and counter weight of raft, roadwork etc. Brickbats will be used for waterproofing. Reinforcement will be sent for reuse Nominal surplus construction debris shall be disposed of by covered trucks to the authorized sites with the permission of local body
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	1062 kg/day
	<b>Wet waste:</b>	1592 kg/day
	<b>Hazardous waste:</b>	NIL
	<b>Biomedical waste (If applicable):</b>	NIL
	<b>STP Sludge (Dry sludge):</b>	45 kg
	<b>Others if any:</b>	NIL

  
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<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Will be hand over to authorize recyclers.
	<b>Wet waste:</b>	Will be compost and shall be use for manure for landscaping/ gardening
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	Shall 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>	32 sq.mt
	<b>Area for machinery:</b>	14 Sq.mt
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs. 31 Lakhs
	<b>O &amp; M cost:</b>	Rs. 7 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

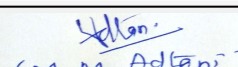
### 40. Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable
41. Source of Fuel		Not applicable		
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>	4522.50 sq.mt
	<b>No of trees to be cut :</b>	NIL
	<b>Number of trees to be planted :</b>	230
	<b>List of proposed native trees :</b>	Mention below
	<b>Timeline for completion of plantation :</b>	Before completion of project

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Peltophorum pterocarpum	Copper Pod	33	-
2	Delonix regia	Gulmohar Tree	14	-
3	Alstonia scholaris	Indian Devils Tree	14	-
4	Tabebuia rosea	Pink trumpet tree	21	-
5	Samanea saman	Rain Tree	24	-
6	Pongamia pinnata	Karanj	15	-
7	Bauhinia racemosa	Aapta	10	-
8	Kigelia africana	Sausage tree	12	-
9	Cassia Grandis	Pink Shower Tree	24	-
10	Michelia champaca	Champa	25	-

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

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

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

#### 47.Energy

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<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	200 KW
	<b>DG set as Power back-up during construction phase</b>	150 KVA
	<b>During Operation phase (Connected load):</b>	10287 KW
	<b>During Operation phase (Demand load):</b>	4206 KW
	<b>Transformer:</b>	4 X 1500 KVA
	<b>DG set as Power back-up during operation phase:</b>	2 No of DG set with Capacity 630 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. Solar lighting on PV Panels
2. LED lights for staircase and Lobby area
3. Pole Lights put on Solar Panels
4. Hot water Solar Panels
5. Regenerative Drives of Lifts,
6. Energy Efficient Motors

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

Serial Number	Energy Conservation Measures	Saving %
1	Detail percentage of saving	20.30 %

#### 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 105 Lakhs
	<b>O &amp; M cost:</b>	Rs 5 Lakhs/ annum

### 51. Environmental Management plan Budgetary Allocation

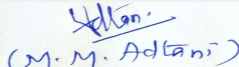
#### a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water for Dust Suppression	To control air pollution	1.5
2	Site Sanitation, Disinfection & Safety	To maintain hygienic condition	3.2
3	Environmental Monitoring	Air, water, noise and soil analysis	3.0

  
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4	Health Check Up	To check fitness of workers	2.5
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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	Rain Water Harvesting	To harvest rain water	64	3.00
2	Sewage Treatment Plant	To treat sewage	86	11.00
3	Solid waste management	To treat biodegradable solid waste	31	7.00
4	Tree Plantation	For green belt development	32	3.00
5	Energy saving	For use of solar lighting and solar heater	105	5.00

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


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

**52.Any Other Information**

No Information Available

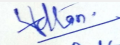
**53.Traffic Management**

Nos. of the junction to the main road & design of confluence:	Project site is connected by 30 m wide road
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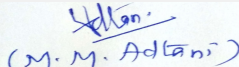
  
(M. M. Adtani)  
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Parking details:	Number and area of basement:	Nil
	Number and area of podia:	Nil
	Total Parking area:	7050
	Area per car:	27.45
	Area per car:	27.45
	Number of 2-Wheelers as approved by competent authority:	1374
	Number of 4-Wheelers as approved by competent authority:	252
	Public Transport:	Nil
	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
	Category as per schedule of EIA Notification sheet	8a (B2)
	Court cases pending if any	NA
	Other Relevant Informations	This is an Amendment project
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	24-05-2018
<b>SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS</b>		
Summorisred in brief information of Project as below.		
<b>Brief information of the project by SEAC</b>		

  
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PP Mr. Anil Tharwani was present during the meeting along with environmental consultant M/s. SGM corporate consultants pvt ltd.

PP informed that, the project under consideration is *proposed Expansion Housing Project*. PP further stated that, the total plot area of the project is 20000 Sq.mt having total construction area 69648.61Sq.mt.(FSI - 44667.05 sq.mt +NON FSI- 24981.56 Sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
A -Type	Gr+7 Floor	23.10 m
B1-Type	Gr+7 Floor	23.10 m
B2-Type	Gr+7 Floor	23.10 m
C1-Type	Gr+7 Floor	23.10 m
C2-Type	Gr+7 Floor	23.10 m
D1-Type	Gr + 20 Floor	61.05 m
D2-Type	Gr + 20 Floor	61.05 m
E1-Type	Gr + 25 Floor	76.10
E2-Type	Gr + 25 Floor	76.10 m
F-Type	Gr +7 Floor	23.10 m
G-Type	Gr +7 Floor	23.10 m
G1-Type	Gr +7 Floor	23.10 m
H1-Type	Gr +7 Floor	23.10 m
H2-Type	Gr +7 Floor	23.10 m
Club House	Gr + 1 Floor	8.85 m

It is noted that, Project has received Environmental clearance vide letter dated 1st April, 2015.

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

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## DECISION OF SEAC

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

### Specific Conditions by SEAC:

- 1) As agreed during meeting, PP to revise online CS with building configuration for E1 & E2 from G+31 floors to G+25 floors for better daylight to all buildings.
- 2) PP to submit the letter of local planning authority which states that, there is storm water & sewer line established in adjoining area of the project site.
- 3) Local planning authority to ensure the structural stability of building for which vertical expansion is proposed i.e D1 & D2.
- 4) PP to ensure that swimming tank should get sunlight.
- 5) PP to show the all drive way on fire tender movement plan specifically North-west of G & F & South west of G1, H1

## FINAL RECOMMENDATION

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

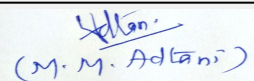
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**Shri M.M.Adtani (Chairman  
SEAC-II)**

## Agenda of 101th SEAC-2 Day-1 meeting held on 30th May, 2019


**SEAC Meeting number: 101 Meeting Date May 30, 2019**

**Subject:** Environment Clearance for Environment Clearance for "Tharwani Millennium City" Proposed Residential Buildings on plot bearing S.No. 63/1/1/2A (p), 63/1/1/2B, 63/1/3, 63/1/4, 64/1, 64/2, 64/3, 64/4 (p) at village Belavali, Taluka Ambernath, District Thane by M/s. Tharwani Realtors

**Is a Violation Case:** No


<b>1.Name of Project</b>	"Tharwani Millennium City"
<b>2.Type of institution</b>	Private
<b>3.Name of Project Proponent</b>	M/s. Tharwani Realtors
<b>4.Name of Consultant</b>	EIA Co-ordinator : Mr Sourabh Singh Jaiswar; SGM Corporate Consultants Pvt. Ltd
<b>5.Type of project</b>	Housing Project
<b>6.New project/expansion in existing project/modernization/diversification in existing project</b>	New Residential Project
<b>7.If expansion/diversification, whether environmental clearance has been obtained for existing project</b>	NA
<b>8.Location of the project</b>	Plot bearing S.No. 63/1/1/2A (p), 63/1/1/2B, 63/1/3, 63/1/4, 64/1, 64/2, 64/3, 64/4 (p) at village Belavali, Taluka Ambernath, District Thane
<b>9.Taluka</b>	Ambernath
<b>10.Village</b>	Belavali
<b>Correspondence Name:</b>	M/s. Tharwani Realtors (Mr. Anil H Tharwani)
<b>Room Number:</b>	310-313
<b>Floor:</b>	3rd Floor
<b>Building Name:</b>	Persipolis Premises CHS
<b>Road/Street Name:</b>	Plot No 74, Sector 17
<b>Locality:</b>	Vashi
<b>City:</b>	Navi Mumbai
<b>11.Area of the project</b>	Kulgaon Badlapur Municipal Council
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	Kulgaon Badlapur Municipal Council IOD/IOA/Concession/Plan Approval Number: In Process Approved Built-up Area:
<b>13.Note on the initiated work (If applicable)</b>	NA
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	NA
<b>15.Total Plot Area (sq. m.)</b>	12380
<b>16.Deductions</b>	3152.02
<b>17.Net Plot area</b>	9227.98
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	a) FSI area (sq. m.): 18706.94 b) Non FSI area (sq. m.): 8404.00 c) Total BUA area (sq. m.): 27111.94
<b>18 (b).Approved Built up area as per DCR</b>	Approved FSI area (sq. m.): Approved Non FSI area (sq. m.): Date of Approval: 18-02-2017
<b>19.Total ground coverage (m2)</b>	1508.50
<b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>	12 %
<b>21.Estimated cost of the project</b>	550000000

## 22.Number of buildings & its configuration


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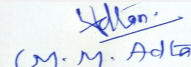
  
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**Shri M.M.Adtani (Chairman**  
**SEAC-II)**

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)	
1	A1	Stilt + 12 Upper Floors	37.50	
2	B1	Stilt + 15 Upper Floors	46.20	
3	C1	Stilt + 15 Upper Floors	28.50	
4	Club House	Ground + 3 Upper Floors	14.90	
<b>23.Number of tenants and shops</b>		Flats: 355 No's Shops : 16 No's		
<b>24.Number of expected residents / users</b>		Flats : 1775 No's ; Shops : 48 No's Total : 1823 No's		
<b>25.Tenant density per hectare</b>		224 tenant/hector		
<b>26.Height of the building(s)</b>				
<b>27.Right of way (Width of the road from the nearest fire station to the proposed building(s))</b>		30 m Wide DP road at east .		
<b>28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation</b>		7.00		
<b>29.Existing structure (s) if any</b>		NIL		
<b>30.Details of the demolition with disposal (If applicable)</b>		NA		
<b>31.Production Details</b>				
Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable
<b>32.Total Water Requirement</b>				


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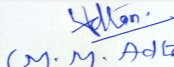
  
 (M. M. Adtani)  
**Shri M.M.Adtani (Chairman SEAC-II)**

Dry season:	Source of water	KBMC / recycled water								
	Fresh water (CMD):	161 KLD								
	Recycled water - Flushing (CMD):	81 KLD								
	Recycled water - Gardening (CMD):	5 KLD								
	Swimming pool make up (Cum):	10 cum (Tanker Water)								
	Total Water Requirement (CMD) :	247 KLD								
	Fire fighting - Underground water tank(CMD):	150 cum								
	Fire fighting - Overhead water tank(CMD):	3 No X 5 cum								
	Excess treated water	89 KLD								
Wet season:	Source of water	KBMC / recycled water / Rwh								
	Fresh water (CMD):	161 KLD								
	Recycled water - Flushing (CMD):	81 KLD								
	Recycled water - Gardening (CMD):	0								
	Swimming pool make up (Cum):	10 cum (Tanker Water)								
	Total Water Requirement (CMD) :	242KLD								
	Fire fighting - Underground water tank(CMD):	150 cum								
	Fire fighting - Overhead water tank(CMD):	3 No X 5 cum								
	Excess treated water	94 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	
Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total	
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	

  
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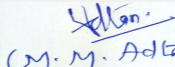


<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	5m - 6 m
	<b>Size and no of RWH tank(s) and Quantity:</b>	1 No of RWH Tank with 92 cum
	<b>Location of the RWH tank(s):</b>	Ground Level
	<b>Quantity of recharge pits:</b>	NA
	<b>Size of recharge pits :</b>	NA
	<b>Budgetary allocation (Capital cost) :</b>	Rs. 8.00 Lakhs
	<b>Budgetary allocation (O &amp; M cost) :</b>	Rs. 3.00 Lakhs / Annum
	<b>Details of UGT tanks if any :</b>	-
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	North East To South West
	<b>Quantity of storm water:</b>	0.199 cum / sec
	<b>Size of SWD:</b>	450 mm X 450 mm
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	194 KLD
	<b>STP technology:</b>	MBBR Technology
	<b>Capacity of STP (CMD):</b>	1 No of 200 cum
	<b>Location &amp; area of the STP:</b>	Ground Level : 150 sq.mt
	<b>Budgetary allocation (Capital cost):</b>	Rs. 40 Lakhs
	<b>Budgetary allocation (O &amp; M cost):</b>	Rs. 5 Lakhs / annum
<b>36.Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	Excavate Soil shall be used for Back filling and Land levelling.
	<b>Disposal of the construction waste debris:</b>	Debris will be used for backfilling and counter weight of raft, road work etc. Brickbats will be used for waterproofing. Reinforcement will be sent for reuse Nominal surplus construction debris shall be disposed of by covered trucks to the authorized sites with the permission of local body
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	363 kg / day
	<b>Wet waste:</b>	563 kg / day
	<b>Hazardous waste:</b>	NIL
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	15 kg
	<b>Others if any:</b>	NIL

  
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<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Will be hand over to authorize recyclers.
	<b>Wet waste:</b>	Shall be processed in the Organic waste converter for manure for landscaping/ gardening
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	Shall 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>	32 sq.mt
	<b>Area for machinery:</b>	18 Sq.mt
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs. 10 Lakhs
	<b>O &amp; M cost:</b>	Rs. 4.00 Lakhs / annum

### 37. Effluent Characteristics

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

### 38. Hazardous Waste Details


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

### 39. Stacks emission Details

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

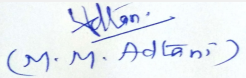
### 40. Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable
41. Source of Fuel		Not applicable		
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>	1028.42 sq.mt
	<b>No of trees to be cut :</b>	NIL
	<b>Number of trees to be planted :</b>	92 No's
	<b>List of proposed native trees :</b>	Mention below
	<b>Timeline for completion of plantation :</b>	Before completion of Project

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Lagerstoemia speciosa	crape-myrtle	5	Avenue
2	Michelia champaca	Son chafa	13	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
3	Plumeria alba	Plumeri	8	Ornamental
4	Cassia fistula	Amaltas	8	Medicinal, Avenue, Ornamental
5	Terminalia arjuna	Arjuna	7	Medicinal, Avenue, Ornamental
6	Albizia lebbeck	Shirish	5	Medicinal, Avenue, Ornamental
7	Alstonia scholaris	Black board tree	8	Avenue, Ornamental
8	Dypsis lutescens	Butter Palm	9	Ornamental
9	polyalthia longifolia	Mast Tree	14	Ornamental , Avenue
10	Cassia Grandis	Pink Shower Tree	8	Ornamental , Avenue
11	Bauhinia racemosa	Apta	11	Ornamental , Avenue

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

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

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

#### 47.Energy

<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	200 KW
	<b>DG set as Power back-up during construction phase</b>	-
	<b>During Operation phase (Connected load):</b>	4972 KW
	<b>During Operation phase (Demand load):</b>	2921 KW
	<b>Transformer:</b>	4 X 1000
	<b>DG set as Power back-up during operation phase:</b>	1 No of 630 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) Energy saving using Energy efficient LED fixtures against conventional CFL/T8 fixture for common area.
- 2) Regenerative type Lifts.
- 3) Energy Efficient Motors
- 4) Hot water provision made using Solar Hot water hybrid system
- 5) Lifts are proposed with regenerative drives.

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

Serial Number	Energy Conservation Measures	Saving %
1	Total Energy Saving	29.95 %
2	Solar Component	13.31 %

#### 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. 22 Lakhs
	<b>O &amp; M cost:</b>	Rs. 3 Lakhs / annum

### 51. Environmental Management plan Budgetary Allocation

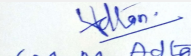
#### a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water For Dust Suppression	To control air pollution	1.5
2	Site Sanitation, Disinfection & Safety	To maintain hygienic condition	3.2
3	Environmental Monitoring	Air, water, noise and soil analysis	3.0

  
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4	Health Check Up	To check fitness of workers	4.5
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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	Rain Water Harvesting	To harvest rain water	8	3.20
2	Sewage Treatment Plant	To treat sewage	40	5.00
3	Organic Waste Converter	To treat biodegradable solid waste	10	4.00
4	Tree Plantation	Green belt development	26	4.00
5	Energy saving	For use of solar lighting and solar heater	22	3.00

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

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

**52.Any Other Information**

No Information Available

**53.Traffic Management**

Nos. of the junction to the main road & design of confluence:	Project site is connected by 30 m wide DP road at East and 15 m Wide DP road at south
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Parking details:	Number and area of basement:	NIL
	Number and area of podia:	NIL
	Total Parking area:	2919.28 sq.mt
	Area per car:	24.73 sq.mt
	Area per car:	24.73 sq.mt
	Number of 2-Wheelers as approved by competent authority:	355 No's
	Number of 4-Wheelers as approved by competent authority:	118 No's
	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
	Category as per schedule of EIA Notification sheet	8 (a), B2
	Court cases pending if any	NIL
	Other Relevant Informations	NIL
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	24-05-2018
<b>SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS</b>		
Summorisred in brief information of Project as below.		
<b>Brief information of the project by SEAC</b>		

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PP Mr. Anil Tharwani was present during the meeting along with environmental consultant M/s. SGM Corporate Consultants Pvt. Ltd.

PP informed that, the project under consideration is *proposed new Residential Housing Project*. PP further stated that, the total plot area of the project is 12380 Sq.mt. having total construction area 27111.94 Sq.mt (FSI - 18706.94 sq.mt +NON FSI- Total - 8404.00 sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
A1	Stilt + 12 Upper Floors	37.50
B1	Stilt + 15 Upper Floors	46.20
C1	Stilt + 15 Upper Floors	28.50
Club House	Ground + 3 Upper Floors	14.90

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


### DECISION OF SEAC

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

#### Specific Conditions by SEAC:

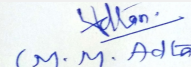
- 1) PP to submit the CFO NoC.
- 2) PP to submit the sewerage network, water supply, storm water drain NOC from local planning authority.
- 3) PP to upload the letter regarding naturally subdivided plot, which was not considered under proposal.
- 4) PP to provide the 9mt driveway in between building No A1 & B1 for fire tender movement.
- 5) PP to ensure that, STP tanks should be open to sky.
- 6) During presentation PP stated that, the proposed club house is of G+2 stories not G+3. PP to revise the same in online CS.
- 7) The PP to get NOC from competent authority with reference to Thane creek flamingo sanctuary if the project site falls within 10 Km radius from the said sanctuary boundary. The planning authority to ensure fulfilment of this condition before granting CC
- 8) PP to submit CER prescribed by MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project or Environment Department may direct PP to undertake CER work in identified area, as identified by Environment Department.

### FINAL RECOMMENDATION

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

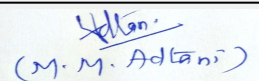
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