

## 93rd SEAC-3 Day 01

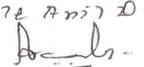
**SEAC Meeting number: 93 Meeting Date September 3, 2019**

**Subject:** Environment Clearance for Environment Clearance for Expansion of proposed Residential Project - Kumar Prithvi at S. No. 45/1 + 2 (2P), 46/13A/2, Village Kondhwa, Tal. Haveli, Dist. Pune, Maharashtra by Sukumar Township Development Pvt. Ltd.

**Is a Violation Case:** No

<b>1.Name of Project</b>	Expansion of proposed Residential & Commercial Project -
<b>2.Type of institution</b>	Private
<b>3.Name of Project Proponent</b>	Sukumar Township Development Pvt. Ltd.
<b>4.Name of Consultant</b>	Enviro Analysts & Engineers Pvt. Ltd.
<b>5.Type of project</b>	Housing project.
<b>6.New project/expansion in existing project/modernization/diversification in existing project</b>	Expansion in existing project
<b>7.If expansion/diversification, whether environmental clearance has been obtained for existing project</b>	EC received vide letter no. SEAC-2011/CR.616/TC.2 dtd 19th November 2011
<b>8.Location of the project</b>	S. No. 45/1 + 2 (2P), 46/13A/2, Village Kondhwa, Tal. Haveli, Dist. Pune, Maharashtra
<b>9.Taluka</b>	Haveli
<b>10.Village</b>	Kondhwa, Khurd
<b>Correspondence Name:</b>	Sukumar Township Development Pvt. Ltd
<b>Room Number:</b>	-
<b>Floor:</b>	-
<b>Building Name:</b>	Kumar Capital
<b>Road/Street Name:</b>	East Street
<b>Locality:</b>	Camp
<b>City:</b>	Pune
<b>11.Whether in Corporation / Municipal / other area</b>	Pune Municipal Corporation
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	Received <b>IOD/IOA/Concession/Plan Approval Number:</b> Approval no 2540/13dtd 2.11.2013 <b>Approved Built-up Area:</b> 65740.52
<b>13.Note on the initiated work (If applicable)</b>	PP has built 3 Bldgs of P + 7 floors before 2004. Further, initiated the work of 5 Bldgs of P + 9 floors and 1 Bldg of P + 18 floors also and completed.
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	-
<b>15.Total Plot Area (sq. m.)</b>	47,800.00
<b>16.Deductions</b>	16925.47
<b>17.Net Plot area</b>	30874.53
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	a) FSI area (sq. m.): 51828.68 b) Non FSI area (sq. m.): 42302.57 c) Total BUA area (sq. m.): 94131.25
<b>18 (b).Approved Built up area as per DCR</b>	Approved FSI area (sq. m.): 32240.97 Approved Non FSI area (sq. m.): 33499.55 Date of Approval: 01-11-2013
<b>19.Total ground coverage (m2)</b>	13565.90
<b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>	28.00 %
<b>21.Estimated cost of the project</b>	1939800000.00

## 22.Number of buildings & its configuration

 <b>Joy S.Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 93 Meeting Date: September 3, 2019</b>	<b>Page 1 of 118</b>	<b>Name: K. Anil Kale</b>  <b>Shri. Anil Kale (Chairman SEAC-III)</b>
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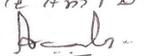
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	5 buildings	P + 9 floors	29.30
2	1 building	P + 18 floors	58.50
3	2 buildings	B1 + B2 + P + 18 floors	58.50
4	Community Hall	Gr floor	6.00
5	Commercial	P + G + 2 floors	12.05
6	Clubhouse	Gr + 1 floor	6.00
7	Construction before 2004 - 3 buildings	P + 7 floors	23.90

<b>23.Number of tenants and shops</b>	Existing prior to 2004: 84 No's Proposed:486 No's. Total : 570 No's Shops: 265.95 Sq.m
<b>24.Number of expected residents / users</b>	Existing prior to 2004: 420 No's , Proposed: 2430 No's, Shops: 88 No's, Total: 2938 No's
<b>25.Tenant density per hectare</b>	185 tenant density/hectare
<b>26.Height of the building(s)</b>	
<b>27.Right of way (Width of the road from the nearest fire station to the proposed building(s))</b>	18.00 m wide DP road
<b>28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation</b>	9.0 m
<b>29.Existing structure (s) if any</b>	NA
<b>30.Details of the demolition with disposal (If applicable)</b>	Water Tank (6m X 6m X 4m) - Demolished & Rubble used for Plinth Filling.

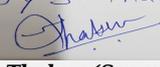
### 31.Production Details

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

### 32.Total Water Requirement

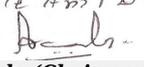
 <b>Joy S.Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 93 Meeting Date: September 3, 2019</b>	<b>Page 2 of 118</b>	<b>Name: K. Anil Kale</b>  <b>Shri. Anil Kale (Chairman SEAC-III)</b>
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Dry season:	Source of water	PMC/ Treated Water from STP							
	Fresh water (CMD):	220 KLD							
	Recycled water - Flushing (CMD):	112 KLD							
	Recycled water - Gardening (CMD):	22 KLD							
	Swimming pool make up (Cum):	6KLD							
	Total Water Requirement (CMD) :	354 KLD							
	Fire fighting - Underground water tank(CMD):	-							
	Fire fighting - Overhead water tank(CMD):	-							
	Excess treated water	164 KLD							
Wet season:	Source of water	PMC/ Treated Water from STP							
	Fresh water (CMD):	220 KLD							
	Recycled water - Flushing (CMD):	112 KLD							
	Recycled water - Gardening (CMD):	-							
	Swimming pool make up (Cum):	6KLD							
	Total Water Requirement (CMD) :	332 KLD							
	Fire fighting - Underground water tank(CMD):	-							
	Fire fighting - Overhead water tank(CMD):	-							
	Excess treated water	186 KLD							
Details of Swimming pool (If any)	Dimension of Swimming Pool: Swimming Pool Phase - I: 14.00 x 7.5 x 1.20 Total water Requirement: 14 m <sup>3</sup> Water requirement for make up: 6 m <sup>3</sup> /day								
<b>33.Details of Total water consumed</b>									
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
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

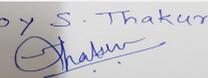
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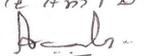
Name: K. Anil Kale  
  
 Signature: Shri. Anil Kale (Chairman  
 SEAC-III)

<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	15 - 20 m
	<b>Size and no of RWH tank(s) and Quantity:</b>	Nil
	<b>Location of the RWH tank(s):</b>	Nil
	<b>Quantity of recharge pits:</b>	16 nos.
	<b>Size of recharge pits :</b>	1.8 m X 1.2 m x 2 m
	<b>Budgetary allocation (Capital cost) :</b>	Rs 10 Lakhs
	<b>Budgetary allocation (O &amp; M cost) :</b>	Rs 0.5 Lakhs/Annum
	<b>Details of UGT tanks if any :</b>	Domestic UG tank Capacity: 220 cum Flushing UG Tank Capacity: 112 cum
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	East to West
	<b>Quantity of storm water:</b>	0.25 cum/sec
	<b>Size of SWD:</b>	0.45 M Width 0.45 M Depth
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	295 KLD
	<b>STP technology:</b>	SMBR & MBBR
	<b>Capacity of STP (CMD):</b>	315 KLD(115 KLD SMBR type STP already installed & 200 KLD is proposed.)
	<b>Location &amp; area of the STP:</b>	Ground
	<b>Budgetary allocation (Capital cost):</b>	Rs. 65 Lakhs
	<b>Budgetary allocation (O &amp; M cost):</b>	Rs. 10 lakhs/annum
<b>36.Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	Top soil to be preserved for landscaping
	<b>Disposal of the construction waste debris:</b>	The total quantity of the excavated soil will be used for land filling, and surplus will be sent to authorize dumping sites. Scrap material will be sold to recyclers
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	570 kg/day
	<b>Wet waste:</b>	855 kg/day
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	14 kg/day
	<b>Others if any:</b>	NA

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**Signature: Anil Kale**  
**Shri. Anil Kale (Chairman SEAC-III)**

<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Handover to Authorized Dealers.
	<b>Wet waste:</b>	Will be processed in the OWC & 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>	To 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>	100 sq.m
	<b>Area for machinery:</b>	3 sq.m
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs. 6.0 Lakhs
	<b>O &amp; M cost:</b>	Rs. 2 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						

### 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

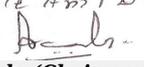
Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable

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>	3617.86 sq.m
	<b>No of trees to be cut :</b>	-
	<b>Number of trees to be planted :</b>	455 nos.
	<b>List of proposed native trees :</b>	as listed below
	<b>Timeline for completion of plantation :</b>	by the end of construction phase

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Mimusopselengi	Bakul	15	Evergreen tree
2	Cassia fistula	Bahava	20	Flowering tree
3	Azadirachta indica	Neem	20	Medicinal tree
4	Plumeria alba	Franjipani	18	Flowering tree
5	Lagerstroemia speciosa	Pride of india	20	Flowering tree
6	Saracaasoca	Sita Ashoka	27	sacred trees
7	Millingtonia hortensis	Indian cork tree	22	Flowering tree
8	Caryotaurens	Fishtail palm	23	Shady tree
9	Mangifera indica	Mango	25	Fruiting tree
10	Artocarpushetero phyllus	Jackfruit	30	Fruiting tree
11	Artocarpushetero phyllus	Jackfruit	30	Fruiting tree
12	Pongamia pinnata	Karanj	15	Evergreen tree
13	Nyctanthesarbor-tristis	Parijatak	20	Flowering tree
14	Anthocephallus cadamba	Kadamba	25	Flowering tree
15	Bauhinia purpurea	Butterfly tree	18	Flowering tree
16	Khayagrandis	Khaya	25	Evergreen tree
17	Albizia lebbeck	Shirish	28	Flowering tree
18	Ficus bengalensis	Banyan tree	10	Evergreen tree
19	Erythrina indica	Pangara	15	Flowering tree
20	Bahunia tomentosa	Yellow orchid tree	10	Flowering tree
21	Michalia champaca	Soan chaffa	32	Flowering tree

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

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

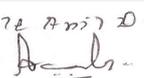
Serial Number	Name	C/C Distance	Area m2
1	-	-	-

#### 47.Energy

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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>	7678.6 kW
	<b>During Operation phase (Demand load):</b>	1539.5 kW
	<b>Transformer:</b>	6 Nos. X 630 KVA
	<b>DG set as Power back-up during operation phase:</b>	125 KVA - 1 No, 50 KVA - 1 No, 250 KVA - 1 No
	<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:

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

Serial Number	Energy Conservation Measures	Saving %
1	Total energy savings	11.01 %

#### 50. Details of pollution control Systems

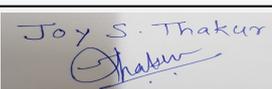
Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs. 90 Lakhs
	<b>O &amp; M cost:</b>	Rs.4 Lakhs/yr

#### 51. Environmental Management plan Budgetary Allocation

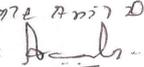
##### a) Construction phase (with Break-up):

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

  
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**Shri. Anil Kale (Chairman SEAC-III)**

4	Good Health Practices	Site Sanitation & Health Care	3
5	Environment Monitoring	Air,water,noise,soil monitoring during construction phase	3

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

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	solid waste management	OWC	6	2
2	waste water management	STP	65	10
3	energy	solar savings	90	4
4	RWH system	RWH	10	0.5
5	Landscape	Greenbelt	17	3

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

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

**52.Any Other Information**

No Information Available

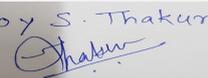
**53.Traffic Management**

Nos. of the junction to the main road & design of confluence:	1 no. of entry & exit from 12 m wide DP road
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<b>Parking details:</b>	<b>Number and area of basement:</b>	Nil
	<b>Number and area of podia:</b>	12757
	<b>Total Parking area:</b>	29040
	<b>Area per car:</b>	34
	<b>Area per car:</b>	34
	<b>Number of 2-Wheelers as approved by competent authority:</b>	1254
	<b>Number of 4-Wheelers as approved by competent authority:</b>	847
	<b>Public Transport:</b>	Nil
	<b>Width of all Internal roads (m):</b>	6 m
	<b>CRZ/ RRZ clearance obtain, if any:</b>	NA
	<b>Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries</b>	NA
	<b>Category as per schedule of EIA Notification sheet</b>	Schedule 8 (a), Category 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>	04-07-2017

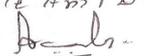
### TOR Suggested Changes

<b>Consolidated Statement Point Number</b>	<b>Original Remarks</b>	<b>Submitted Changes</b>
16.Deductions (sq. m.):	16925.47	17065.23
17.Net Plot area (sq. m.):	30874.53	27116.91
18 (a).Proposed Built-up Area (FSI & Non-FSI)	--	--
FSI area (sq. m.):	51828.68	56252.24
Non FSI area (sq. m.):	42302.57	40389.26

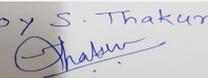
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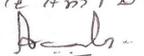
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Total BUA area (sq. m.):	94131.25	96641.5
19.Total ground coverage (m2)	13565.9	15210
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	28	31
23.Number of tenants and shops	Existing prior to 2004: 84 No's Proposed: 486 No's. Total : 570 No's Shops: 265.95Sq.m	Existing prior to 2004: 84 No's Proposed: 570 No's. Total : 654 No's Shops: 264.97 Sq.m
24.Number of expected residents / users	Existing prior to 2004: 420 No's Proposed: 2430 No's. shops 88 Nos. Total : 2938 No's	3357 No's (including commercial)
25.Tenant density per hectare	185	218
32- Total water Requirement	--	--
Dry Season	--	--
Fresh water (CMD):	220	296
Recycled water - Flushing (CMD):	112	149
Swimming pool make up (Cum):	6	14
Total Water Requirement (CMD)	354	481
Excess treated water	164	180
wet season	--	--
Fresh water (CMD):	220	296
Recycled water - Flushing (CMD):	112	149
Swimming pool make up (Cum):	6	14
Total Water Requirement (CMD)	332	459
Excess treated water	186	220
Details of Swimming pool (If any)	Swimming Pool Phase - I: 14x7.5x1.2.= 2 Nos. Total water Requirement: 14 m3 Water requirement for make up: 6 m3/day	Swimming Pool Phase - I: 38x18x4 ft.= 2 Nos. Total water Requirement: 155 m3 Water requirement for make up: 14 m3/day
36.Sewage and Waste water	--	--
Sewage generation in KLD:	295	350
Capacity of STP (CMD):	315 KLD (115 KLD SMBR type STP already installed & 200 KLD is proposed)	3 Nos. (115 KLD SMBR type STP already installed, 70 KLD and 185 KLD is proposed.)
Budgetary allocation (Capital cost):	Rs. 65.00 Lakhs	Rs. 72.95 Lakhs
Budgetary allocation (O & M cost):	Rs. 10.00 lakhs/annum	Rs. 18.23 lakhs/annum
37.Solid waste Management	--	--
Dry waste:	570 kg/day	599 kg/day
Wet waste:	855 kg/day	890 kg/day

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48. Energy	--	--
During Operation phase (Connected load):	7678.6	8656 kW
During Operation phase (Demand load):	1539.5	2439 kW
Transformer:	6 Nos. X 630 KVA	7 Nos. X 630 KVA
DG set as Power back-up during operation phase:	125 kva-1 NO., 50 KVA-1 No.,	2 Nos. (425 kVA 1 No., 126 kVA 1 No.)
50. Detail calculations & % of saving:	--	--
Total energy savings	11.01	11.40
52. Environmental Management plan Budgetary Allocation	--	--
b) Operation Phase (with Break-up):	--	--
STP	--	--
Capital cost	Rs. 65.00 Lakhs	Capital cost: Rs. 72.95
O & M cost	Rs. 10.00 lakhs/annum	O & M cost: Rs. 18.23

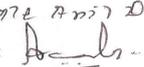
## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

  
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## Brief information of the project by SEAC

PP has submitted his application for prior Environmental clearance for total plot area of 47800m<sup>2</sup>, FSI area of 51828.68m<sup>2</sup>, Non FSI area of 42302.57m<sup>2</sup> and total BUA of 94131.25m<sup>2</sup>.

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

## DECISION OF SEAC

### During discussion following points emerged:

1. The committee noted that Cost of remediation plan and natural & community resource augmentation plan as per revised approach paper is estimated as Rs. 1.37 Cr. The Committee also noted that the amount of CER as per MoEF& CC circular dated 1/05/2018 is Rs. 91.47 Lakh which is less than the remediation / augmentation plan. Therefore committee decided to obtain Bank Guarantee of Rs. 1.37 Cr for the project completion period.

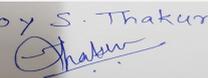
SEAC decided to **recommend** the proposal for prior environmental Clearance, subject to PP complying with the above conditions.

### Specific Conditions by SEAC:

1) The committee noted that Cost of remediation plan and natural & community resource augmentation plan as per revised approach paper is estimated as Rs. 1.37 Cr. The Committee also noted that the amount of CER as per MoEF& CC circular dated 1/05/2018 is Rs. 91.47 Lakh which is less than the remediation / augmentation plan. Therefore committee decided to obtain Bank Guarantee of Rs. 1.37 Cr for the project completion period.

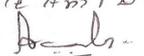
## FINAL RECOMMENDATION

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

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SEAC-III)

## 93rd SEAC-3 Day 01

**SEAC Meeting number: 93 Meeting Date September 3, 2019**

**Subject:** Environment Clearance for proposed construction project by M/s G.K. Associates

**Is a Violation Case:** No

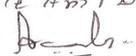
1.Name of Project	ARISE
2.Type of institution	Private
3.Name of Project Proponent	Mr. Vinod Chandwani
4.Name of Consultant	M/s JV Analytical Services
5.Type of project	Residential & Commercial
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	S.NO 27/4/1, 27/4/2, 27/4/3, Punawale, Pune
9.Taluka	Mulshi
10.Village	Punawale
Correspondence Name:	Mr. Vinod Chandwani
Room Number:	-
Floor:	-
Building Name:	G K Associates
Road/Street Name:	Opposite Shivar Garden,
Locality:	Pimple Saudagar
City:	Pune-411027.
11.Whether in Corporation / Municipal / other area	Pimpri Chinchwad Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Received
	<b>IOD/IOA/Concession/Plan Approval Number:</b> B.P/ENV/Punawale/09/2019
	<b>Approved Built-up Area:</b> 42379.73
13.Note on the initiated work (If applicable)	Not Applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Applicable
15.Total Plot Area (sq. m.)	11100.00 m2
16.Deductions	232.92 m2
17.Net Plot area	10867.08 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 19793.17 m2
	b) Non FSI area (sq. m.): 22586.56 m2
	c) Total BUA area (sq. m.): 42379.73
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 19793.17 m2
	Approved Non FSI area (sq. m.): 22586.56 m2
	Date of Approval: 10-06-2019
19.Total ground coverage (m2)	2030.98 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	18.29 % of Total plot area (11100 m2) 18.68 % of Net plot area (10867.08 m2)
21.Estimated cost of the project	600000000

## 22.Number of buildings & its configuration

  
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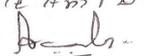
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A	B+P+12	38.65
2	B	B+P+12	38.65
3	C	B+P+12	38.65
4	D	B+P+12	38.65
5	E (MHADA +commercial)	G/P+11	36.90

23.Number of tenants and shops	Total Tenements - 402 Nos. Shops- 08 Nos
24.Number of expected residents / users	Residential Users: 2010 Nos, Commercial Users: 90 Nos., Total Users: 2100 Nos
25.Tenant density per hectare	362
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	18M wide road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9m
29.Existing structure (s) if any	Not Applicable
30.Details of the demolition with disposal (If applicable)	Not Applicable

### 31.Production Details

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

### 32.Total Water Requirement

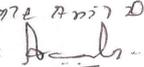
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<b>Dry season:</b>	<b>Source of water</b>	PCMC							
	<b>Fresh water (CMD):</b>	286.26 m3/day (One time)							
	<b>Recycled water - Flushing (CMD):</b>	92.7 m3/day							
	<b>Recycled water - Gardening (CMD):</b>	10.0 m3/day							
	<b>Swimming pool make up (Cum):</b>	0.86 m3/day							
	<b>Total Water Requirement (CMD) :</b>	183.56 m3/day							
	<b>Fire fighting - Underground water tank(CMD):</b>	250.00 m3							
	<b>Fire fighting - Overhead water tank(CMD):</b>	125.00 m3							
	<b>Excess treated water</b>	145.15 m3/day							
<b>Wet season:</b>	<b>Source of water</b>	PCMC							
	<b>Fresh water (CMD):</b>	276.26 m3/day (One time)							
	<b>Recycled water - Flushing (CMD):</b>	92.7 m3/day							
	<b>Recycled water - Gardening (CMD):</b>	NA							
	<b>Swimming pool make up (Cum):</b>	0.86 m3/day							
	<b>Total Water Requirement (CMD) :</b>	183.56 m3/day							
	<b>Fire fighting - Underground water tank(CMD):</b>	250.00 m3							
	<b>Fire fighting - Overhead water tank(CMD):</b>	125.00 m3							
	<b>Excess treated water</b>	155.15 m3/day							
<b>Details of Swimming pool (If any)</b>	Dimension of Swimming Pool: 12 mtr X 6mtr X 1.2mtr Total water Requirement in KLD: 86,400 Ltr Water requirement in KLD: 0.86M3/day Details of Plant & Machinery used for treatment of Swimming pool water: Details of quality to be achieved for swimming pool water and parameters to be monitored: Budgetary allocation (Capital cost and O & M cost): Capital Cost: Rs. 16.84 Lakh O & M Cost: Rs. 1.80 Lakh/Year								
<b>33.Details of Total water consumed</b>									
<b>Particulars</b>	<b>Consumption (CMD)</b>			<b>Loss (CMD)</b>			<b>Effluent (CMD)</b>		
<b>Water Requirement</b>	<b>Existing</b>	<b>Proposed</b>	<b>Total</b>	<b>Existing</b>	<b>Proposed</b>	<b>Total</b>	<b>Existing</b>	<b>Proposed</b>	<b>Total</b>
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

  
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<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	Pre monsoon - 14 m to 15 m BGL Post monsoon - 2 m to 5 m BGL	
	<b>Size and no of RWH tank(s) and Quantity:</b>	Not Applicable	
	<b>Location of the RWH tank(s):</b>	Not Applicable	
	<b>Quantity of recharge pits:</b>	8 Nos	
	<b>Size of recharge pits :</b>	((Dia. 2 m and 3 m height) with 6" Dia. 60 m deep bore well via 1 No. of 2 m dia. 3 m deep de-silting chamber with O&G trap	
	<b>Budgetary allocation (Capital cost) :</b>	Rs. 8.50 Lakh	
	<b>Budgetary allocation (O &amp; M cost) :</b>	Rs. 1.25 Lakh/Year	
<b>Details of UGT tanks if any :</b>	Residential & commercial : Domestic UG tank Capacity: 255.00m3 Flushing tank Capacity: 100.0 m3 Fire UG tank Capacity: 200.00 m3 MHADA:- Domestic UG tank Capacity: 23.00 m3 Flushing tank Capacity: 10.00 m3 Fire UG tank Capacity: 50.00 m3		
<b>35.Storm water drainage</b>			
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	-	
	<b>Quantity of storm water:</b>	34.43 m3/day	
	<b>Size of SWD:</b>	600 mm	
<b>36.Solid waste Management</b>			
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	247.85 m3/day	
	<b>STP technology:</b>	MBBR	
	<b>Capacity of STP (CMD):</b>	235 m3/day & 25 m3/day	
	<b>Location &amp; area of the STP:</b>	170 m2	
	<b>Budgetary allocation (Capital cost):</b>	Rs. 66.00 Lakh (For 235 KLD), Rs. 18.50 Lakh (For 25 KLD)	
	<b>Budgetary allocation (O &amp; M cost):</b>	Rs. 14.22 Lakh/Year (For 235 KLD), Rs. 6.10 Lakh/Year (For 25 KLD)	
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	35 kg/day	
	<b>Disposal of the construction waste debris:</b>	Use for Leveling.	
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	416 kg/day	
	<b>Wet waste:</b>	612 kg/day	
	<b>Hazardous waste:</b>	Not Applicable	
	<b>Biomedical waste (If applicable):</b>	Not Applicable	
	<b>STP Sludge (Dry sludge):</b>	38.7 kg/day	
	<b>Others if any:</b>	-	
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<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	SWaCH
	<b>Wet waste:</b>	Organic Waste Converter
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	Used as manure after treatment in OWC
	<b>Others if any:</b>	-
<b>Area requirement:</b>	<b>Location(s):</b>	-
	<b>Area for the storage of waste &amp; other material:</b>	62.00 m <sup>2</sup>
	<b>Area for machinery:</b>	Included in other material area
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs.20.75 Lakh
	<b>O &amp; M cost:</b>	Rs.4.28 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						

### 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- 125 KVA- 1 No	HSD	S-1	4.68 m	To be provided	To be provided
2	DG Set- 82.5 KVA-1 No.	HSD	S-2	4.01 m	To be provided	To be provided

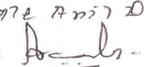
### 40. Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	-	21.6 - lit/hr	21.6 - lit/hr
2	HSD	-	14.3 - lit/hr	14.3 - lit/hr

  
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41.Source of Fuel	Bharat Petroleum Corporation Limited/Hindustan Petroleum
42.Mode of Transportation of fuel to site	By Roadway

<b>43.Green Belt Development</b>	<b>Total RG area :</b>	1086.80 m2
	<b>No of trees to be cut :</b>	-
	<b>Number of trees to be planted :</b>	137 Nos
	<b>List of proposed native trees :</b>	137 Nos
	<b>Timeline for completion of plantation :</b>	Mid of Construction

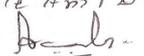
#### 44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Mimusops Elengi	Bakul	7	Shady Tree, Small White Fragrant Flower
2	Neolamarckia cadamba	Kadamba	4	Fruit Bearing Tree Attracts Birds
3	Pongamia pinnata	Indian Beech	6	Good Medicinal Use
4	Bauhinia purpuria	Rakta Kanchan	10	Fragrant Flowers Or Leaves Plant For Pooja Evergreen Tree
5	Michellia chamapaka	Sonchapa	9	Tall Evergreen Tree With Fruit Bearing
6	Lagerstromia flosregina	Jarul	6	Tall Evergreen Tree With Fruit Bearing
7	Mangifera indica	Mango	4	Tall Evergreen Tree With Fruit Bearing
8	Artocarpus heterophyllus	Jackfruit	5	Orange flowering, evergreen foilage, shady.
9	Syzygium cumini	Jamun	4	Local name- Booch, White fragrant flowering, Grows tall, Shady.
10	Saraca indica	Sita Ashok	6	Fragrant Flowers Or Leaves Attracts Birds/Butterflies/Bees Deep-Green, Shiny Foliage
11	Butea monosperma	Palas	3	Fragrant Flowers Or Leaves Flowers Covering The Entire Crown Plant For Pooja
12	Azadirachta indica	Neem	7	Plant For Pooja/Evergreen Fragrant Flowers Or Leaves Quick Groving/Insect Repellent
13	Khaya grandis	Khaya	5	Evergreen Tree
14	Cassia fistula	Golden Shower	10	Auspicious Attracts Birds/Bees/Butterfiles Hanging Or Weeping Growth
15	Ailanthus excelasa	Maharukh	5	Tall Evergreen Tree
16	Bauhinia racemosa	Apta	10	Shady Tree, Small White Fragrant Flower
17	Poltalthia longifolia	Ashok	4	Ornamental Tree
18	Kailashpati couroupita	Kailashpati	4	Evergreen Tree With Fruit Bearing

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19	Putranjiva roxburghi	Putranjiva	4	Evergreen Tree With Medicinal Use
20	Nyctanthes arbor-tristis	Parijat	4	Small Flowering Tree
21	Pulmeria alba	Chapha	9	Evergreen Tree With Fragrant Flowers
22	ALBIZIA LEBBECK	SHIRISH	11	"FRAGRANT FLOWERS OR LEAVES ATTRACTS BIRDS/BUTTERFLIES/BEES DROUGHT TOLERANT"

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>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	30 KW
	<b>DG set as Power back-up during construction phase</b>	40 KVA
	<b>During Operation phase (Connected load):</b>	1952 KW
	<b>During Operation phase (Demand load):</b>	850 KW
	<b>Transformer:</b>	2 Nos x 630 KVA
	<b>DG set as Power back-up during operation phase:</b>	125 KVA-01 Nos 82.5 KVA- 01 Nos
	<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:

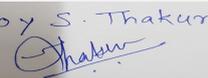
Measures to reduce energy consumption :

Generally we have proposed high efficiency transformer, motors etc. to reduce losses.

Electronic Ballasts and Energy efficient lamp source either triposphere or LED are proposed for common area & general lighting with automatic time based control to save power by switching ON & OFF the lights at appropriate time. The estimated saving in common lighting consumption is up to 20 % due to adopting above measures.

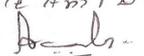
#### 49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total of all Savings for ( per year )	20%

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## 50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air	-	Green Belt will be provided
Water	-	STP will be installed & excess treated water used for flushing & gardening
Noise	-	Noise monitoring will be done in once a fortnight. Traffic management plan to be prepared. Acoustically enclosed DG set will be brought & installed
Solid Waste	-	Wet waste will be treated in OWC. STP sludge will be used as manure after treatment in OWC dry waste will be given to SWACH.
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs. 52.50 Lakh
	<b>O &amp; M cost:</b>	Rs. 1.05 Lakh/Year

## 51.Environmental Management plan Budgetary Allocation

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

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water for Dust Suppression, Air & Noise Monitoring	0.50 Lakh/Year
2	Water Environment	Tanker Water for Construction, Water Monitoring	0.50 Lakh/Year
3	Land Environment	Site Sanitation -Mobile toilets	0.50 Lakh/Year
4	Socio-economic	Disinfection- Pest Control, First Aid Facilities, Health Check Up, Creches For Children, Food for children, Personal Protective Equipment	1.00Lakh/Year

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

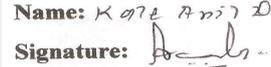
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP-1 (235 m3/day)	-	66.00 Lakh	14.22 Lakh/Year
2	STP-2 (25 m3/day)	-	18.50 Lakh	6.10 Lakh/Year
3	RWH	-	8.50 Lakh	1.25 Lakh/Year
4	MSW (OWC)	-	20.75 Lakh	4.28 Lakh/year
5	Energy System	-	52.50 Lakh	1.05 Lakh/Year
6	Landscaping	-	20.00 Lakh	2.00 Lakh/year
7	Swimming Pool	-	16.84 Lakh	1.80 Lakh/Year
8	Safety Equipment	-	10.00 Lakh	2.00 Lakh/year
9	Post EC Monitoring	-	-	2.50 Lakh/year
10	Dry Waste Management	-	-	2.41Lakh/year

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

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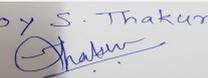
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 52.Any Other Information

No Information Available

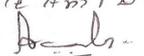
### 53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	-
Parking details:	Number and area of basement:	4837 m2
	Number and area of podia:	-
	Total Parking area:	11949.30 m2
	Area per car:	Open parking - 25 m2 Covered parking - 30 m2 Basement parking - 35 m2
	Area per car:	Open parking - 25 m2 Covered parking - 30 m2 Basement parking - 35 m2
	Number of 2-Wheelers as approved by competent authority:	822 Nos
	Number of 4-Wheelers as approved by competent authority:	207 Nos.
	Public Transport:	NA
	Width of all Internal roads (m):	6.0 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	B2
	Court cases pending if any	NA
	Other Relevant Informations	-

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	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

### SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

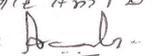
Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-
Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management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

### Brief information of the project by SEAC

PP has submitted his application for prior Environmental clearance for total plot area of 11100 m<sup>2</sup>, FSI area of 19793.17 m<sup>2</sup>, Non FSI area of 22586.56 m<sup>2</sup> and total BUA of 42379.73 m<sup>2</sup>.

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

### DECISION OF SEAC

 <b>Joy S.Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 93 Meeting Date: September 3, 2019</b>	<b>Page 22 of 118</b>	<b>Name: K. Anil Kale</b>  <b>Shri. Anil Kale (Chairman SEAC-III)</b>
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**During discussion following points emerged:**

1. PP informed that no debris will go out of the plot. PP to justify the same.
2. PP to submit undertaking regarding sustainable water supply.
3. PP to submit recharge pit sections.
4. PP to submit UGT sections.
5. PP to submit details of RG plan.

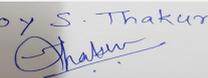
PP requested for time to submit the information sought; after deliberations committee asked PP to **comply** with the observations and submit information to the committee for further discussion and consideration of SEAC.

**Specific Conditions by SEAC:**

**FINAL RECOMMENDATION**

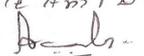
SEAC-III decided to defer the proposal. Kindly find SEAC decision above.

SEAC-AGENDA-000000320

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## 93rd SEAC-3 Day 01

**SEAC Meeting number: 93 Meeting Date September 3, 2019**

**Subject:** Environment Clearance for Application for Environmental Clearance for Proposed Residential project

**Is a Violation Case:** No

<b>1.Name of Project</b>	Residential cum Commercial project
<b>2.Type of institution</b>	TOR
<b>3.Name of Project Proponent</b>	Pegasus Properties Pvt. Ltd.
<b>4.Name of Consultant</b>	Sneha Hi-Tech Products 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 in existing project
<b>7.If expansion/diversification, whether environmental clearance has been obtained for existing project</b>	Yes. Latest EC has been obtained.
<b>8.Location of the project</b>	lot no. R-1/1/A,R-1/1/C, R-1/2, R-1/3, R-1/4, Rajiv Gandhi Infotech Park - phase III
<b>9.Taluka</b>	Mulshi
<b>10.Village</b>	Man & Bhoir wadi
<b>Correspondence Name:</b>	Pegasus Properties Pvt. Ltd.
<b>Room Number:</b>	-
<b>Floor:</b>	1st Floor
<b>Building Name:</b>	Kumar Capital
<b>Road/Street Name:</b>	2413, East Street
<b>Locality:</b>	Camp
<b>City:</b>	Pune
<b>11.Whether in Corporation / Municipal / other area</b>	MIDC
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	EE/IT/TB//A-54300/2019 DATED 08.02.2019
	<b>IOD/IOA/Concession/Plan Approval Number:</b> EE/IT/TB//A-54300/2019 DATED 08.02.2019 EE/IT/TB//A-54309/2019 DATED 08.02.2019
	<b>Approved Built-up Area:</b> 1320090
<b>13.Note on the initiated work (If applicable)</b>	330779 SqM area completed as per Previous EC.
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	IOD as mention above
<b>15.Total Plot Area (sq. m.)</b>	403906.17 sq.m
<b>16.Deductions</b>	40390.61sq.m.
<b>17.Net Plot area</b>	363515.55 sq.m.
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> 726791
	<b>b) Non FSI area (sq. m.):</b> 593299
	<b>c) Total BUA area (sq. m.):</b> 1320090
<b>18 (b).Approved Built up area as per DCR</b>	<b>Approved FSI area (sq. m.):</b> 726791
	<b>Approved Non FSI area (sq. m.):</b> 593299
	<b>Date of Approval:</b> 08-02-2019
<b>19.Total ground coverage (m2)</b>	163205.80
<b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>	40
<b>21.Estimated cost of the project</b>	18112972894

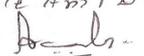
## 22.Number of buildings & its configuration

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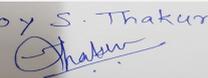
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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building 1 Mystic - (No of building - 1 no.)	2B + G + 21 floors	69.30
2	Building 7 Sangria - (No of building - 1 no.)	B + G + 21 floors	69.30
3	School - (No of building - 1 no.)	G + 3 floors	15.00
4	-	-	-
5	-	-	-
6	-	-	-
7	Smart Home 4 - Symphony - (No of building - 2 nos.)	2P + G + 13 floors	42.90
8	Smart Home 5- Springs - (No of building - 7 nos.)	G + 13 & G+ 14 with 2 level Podium Parking	42.85
9	Smart Home 6- Saffron - (No of building - 15 nos.)	G + 13 & G+ 14 with 3 level Podium Parking	44.95
10	Smart Home 7-Serenity - (No of building - 16 nos.)	G + 19 with 2 level Podium Parking	59.70
11	commercial/conv shop - (No of building - 2 nos.)	G floors	4.95
12	Building 2 - (No of building - 1 no.)	3P + G + 20	68
13	Building 3 - (No of building - 1 no.)	3P + G + 20	68
14	Building 4 - (No of building - 1 no.)	3P + G + 20	68
15	Building 5 - (No of building - 1 no.)	3P + G + 3/4	15
16	Building 6 - (No of building - 1 no.)	3P + G + 20	68.75
17	Commercial - (No of building - 1 no.)	G + 5	30
18	Switching Station - (No of building - 1 no.)	G floors	6
19	Building 8 - (No of building - 1 no.)	G+25	70
20	-	-	-
21	14 NO. OF CLUBHOUSE	G + 1	-
22	20 NO. OF CLUBHOUSE	G + 1	-
<b>23.Number of tenants and shops</b>	Tenants: 8466nos. & Shops/commercial		
<b>24.Number of expected residents / users</b>	Residents: 41720 nos. & commercial & school users: 5323 nos.		
<b>25.Tenant density per hectare</b>	207/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>	60 m wide road & 45 m MIDC road		

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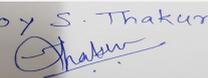
28. Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29. Existing structure (s) if any	yes
30. Details of the demolition with disposal (If applicable)	DEMOLITION WASTE SHALL BE REUSED WITHIN THE SITE AT MAXIMUM EXTENT AND REST OF THE WASTE SHALL BE HANDED OVER TO RECYCLER.

### 31. Production Details

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

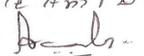
### 32. Total Water Requirement

Dry season:	Source of water	MIDC & Treated water
	Fresh water (CMD):	3939 m <sup>3</sup> /day
	Recycled water - Flushing (CMD):	2025 m <sup>3</sup> /day
	Recycled water - Gardening (CMD):	606 m <sup>3</sup> /day
	Swimming pool make up (Cum):	124.78 m <sup>3</sup> /day
	Total Water Requirement (CMD):	3100 m <sup>3</sup> /day
	Fire fighting - Underground water tank (CMD):	4200 m <sup>3</sup>
	Fire fighting - Overhead water tank (CMD):	275 m <sup>3</sup> per building
	Excess treated water	2468 m <sup>3</sup> /day

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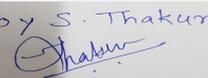
<b>Wet season:</b>	<b>Source of water</b>	MIDC & Treated water
	<b>Fresh water (CMD):</b>	3939m3/day
	<b>Recycled water - Flushing (CMD):</b>	2025m3/day
	<b>Recycled water - Gardening (CMD):</b>	0
	<b>Swimming pool make up (Cum):</b>	127.78m3/day
	<b>Total Water Requirement (CMD) :</b>	3100 m3/day
	<b>Fire fighting - Underground water tank(CMD):</b>	4200 m3
	<b>Fire fighting - Overhead water tank(CMD):</b>	275 m3 per building
	<b>Excess treated water</b>	3074 m3/day

**Details of Swimming pool (If any)** total no. of swimming pool - 13 no.

### 33.Details of Total water consumed

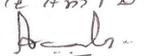
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	15-20 m below ground level
	<b>Size and no of RWH tank(s) and Quantity:</b>	08 nos. of RWH tanks with various quantity
	<b>Location of the RWH tank(s):</b>	As per hydro geological report
	<b>Quantity of recharge pits:</b>	22 nos. of Recharge Borewell and 30 nos. of Recharge Pits
	<b>Size of recharge pits :</b>	2m x 2m x 2m (recharge bore) & 1m x1m x1m (recharge pit)
	<b>Budgetary allocation (Capital cost) :</b>	Rs. 286.00 Lakh ((22+30 Nos) X 1.50 Lacs) + (8 Tanks X 200000 Litre X Rs. 13 per Lit)
	<b>Budgetary allocation (O &amp; M cost) :</b>	Rs. 15 Lakh/year
	<b>Details of UGT tanks if any :</b>	Drinking 1,564.50 CuM Domestic - 4,343.88 CuM Fire- 3,100.00 CuM

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<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	Towards east side of project site
	<b>Quantity of storm water:</b>	4.58 m3/sec
	<b>Size of SWD:</b>	450X 300 mm

<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	5367
	<b>STP technology:</b>	MBBR, SMBR
	<b>Capacity of STP (CMD):</b>	1. Existing- 200 KLD, 510 KLD, 700 KLD, 110 KLD. 2.Proposed-500 KLD, 550 KLD, 500 KLD, 45KLD, 675 KLD, 260 KLD, 550 KLD, 675 KLD, 120 KLD, 220KLD.
	<b>Location &amp; area of the STP:</b>	As per master layout
	<b>Budgetary allocation (Capital cost):</b>	1747.9 lakhs
	<b>Budgetary allocation (O &amp; M cost):</b>	261.8 lakhs per annum

### 36.Solid waste Management

<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	Empty cement bags, steel, sand, packaging material, Aggregates
	<b>Disposal of the construction waste debris:</b>	Excavated earth material will be used for filling of plinth area

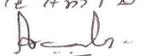
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	8711 kg/day
	<b>Wet waste:</b>	12066 kg/day
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	835
	<b>Others if any:</b>	e waste 28312.5 kg/year

<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	To be Handed over to authorized recycler for further handling & disposal purpose
	<b>Wet waste:</b>	Through Mechanical Composter (Smart OWC)
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	To be used as manure for gardening purpose or will be disposed off as per CPHEEO manual on sewerage
	<b>Others if any:</b>	E Waste-Handed over to authorized recycler for further handling & disposal purpose

<b>Area requirement:</b>	<b>Location(s):</b>	Locations are as per master layout
	<b>Area for the storage of waste &amp; other material:</b>	236sq.m.
	<b>Area for machinery:</b>	766 sq.m.

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs. 281.75 lakhs
	<b>O &amp; M cost:</b>	Rs. 77.31 Lakh/year

### 37.Effluent Charecterestics

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

### 38.Hazardous Waste Details

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

### 39.Stacks emission Details

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

### 40.Details of Fuel to be used

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

41.Source of Fuel

Not applicable

42.Mode of Transportation of fuel to site

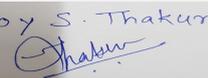
Not applicable

### 43.Green Belt Development

<b>Total RG area :</b>	40390.5 m2
<b>No of trees to be cut :</b>	NA
<b>Number of trees to be planted :</b>	5474 nos. (existing + proposed)
<b>List of proposed native trees :</b>	Provided
<b>Timeline for completion of plantation :</b>	6 month after completion of project

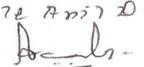
### 44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Areca catechu	Supari	104	Fruit Beaing tree
2	Alstonia Scholaris	saptaparni	66	tree

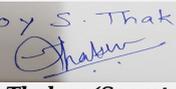
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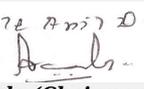
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3	bahunia blackennea	orchid tree	70	RAGRANT FLOWERS OR LEAVES -ATTRACTS BIRDS/BUTTERFLIES/BEES
4	cocus nicifera	coconut	179	fruit bearing tree
5	brassia actinophylla	octopus tree	58	Ornamental tree
6	cordia sebestina	cordia	82	Ornamental tree
7	delonix regia	Gulmohar	41	flower bearing
8	Erithrina Indica	pangara	39	medicinal tree
9	Grevillea Robusta	silver oak	121	Ornamental tree
10	Jacaranda Memosaeolia	Jacaranda	111	Ornamental Plant
11	Khaya senegalensis	Mohogany	16	Large Ornamental tree
12	lagerstroemia speciosa	Taman	135	state tree of maharashtra
13	Michelia Alba	Pandhara chafa	89	Fragrant flowers or leaves.Attracts birds/butterflies/bees .Evergreen tree
14	Peltophorum Ferrugineum	yellow gulmohar	12	Fragrant flowers or leaves.Attracts birds/butterflies/bees .Evergreen tree
15	pheonix canariensis	pheonix Palm	20	ornamental tree
16	Royastana Regia	Bottle Palm	427	ornamental tree
17	Terminalia Mantaly	Madagaskar Almond	49	ornamental tree
18	Saraca Asoca	Sita ASHok	41	big tree
19	Azadirachta India	neem	108	medicinal value
20	Khaya senegalensis	Mohogany	9	ornamental tree
21	Spathodia Campanulata	Fountain tree	27	ornamental tree
22	Malaleuca citrina	Bottle brush	8	ornamental tree
23	Ficus BENjamina	Benjamin tree	16	big tree
24	Coryota Urens	Fishtail Palm	38	ornamental tree
25	Casia Fistula	BAhava	47	native and big tree
26	Fillicum Religiosa	Pipal	16	native and big tree
27	Swietenia Macrophylla	Indian Mahogany	20	native and big tree
28	Phyllostachys aurea	Golden bamboo	450	Ornamental plant for Gardens
29	Bahunia Purpurea	Rakht Kanchan	48	Fast grwoing evergreen tree
30	BAhunia Tomatonsa	BAhunia	32	Fast grwoing evergreen tree
31	Mimusops elengi	BAkul	23	flowering plant
32	Callistemon Citrinus	Golden Bottle Brush	9	Ornamental plant for Gardens
33	Lantenia Lontaroides	latina rubra	7	Ornamental plant for Gardens
34	Lagerstromia flos- regia	Lagerstromia flosregia	177	Ornamental plant for Gardens
35	Latinia rubra	Latinia rubra	7	Ornamental plant for Gardens
36	Plumeria alba	Chafa	38	Ornamental plant for Gardens
37	Plumeria Pudica	frangipani	18	Ornamental plant for Gardens
38	Plumeria Rubra	Plumeria Pixiel Pinnk	13	Ornamental plant for Gardens
39	Spathodia Campanulata	Fountain Tree	4	Ornamental plant for Gardens

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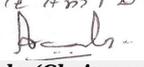
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40	Wodyetia Bifurcata	Foxtail Palm	44	FOrnamental plant for Gardens
41	Samanea Saman	rain tree	4	Evergreen tree.Have medicinal values
42	Tabubiya Rosiya	Basant Rani	256	flowering tree
43	Dypsis Decaryi	triangular Palm	11	Ornamental plant for Gardens
44	Cupresus	Cypree	3	-
45	Ravenala madagascarensis	octopus tree	48	Ornamental tree
46	Mesusa Ferrara	Nagshekar	6	Ornamental tree
47	Neolamarckia cadamba	Kadamb	32	native
48	Butea Monosperma	Palas	4	native
49	Syzyhium Cumini	Jamun	18	fruit bearing tree
50	Mangifera Indica	Mango	46	fruit bearing tree
51	Terminalia Arjuna	Arjun	20	native
52	MANilkara Zopata	Chikoo	21	fruit bearing tree
53	Couroupita	Kailaspati	4	native
54	dellinai Indica	elephant apple	8	fruit bearing tree
55	aegle Marmelos	Bel	15	fruit bearing tree
56	Pongamia Pinnata	Indian Beach Tree	12	ornametal tree, shady
57	terminalia Arjuna	arjuna	9	native
58	Cupresus	cypress	3	-
59	Terminaliya Mantaly	Terminaliya Mantaly	52	-
60	coryota urens	foxtail palm	10	ornamental tree
61	Erithriana Indica	Pangara	11	native tree
62	-	-	-	-
63	-	-	-	-
64	-	-	-	-
65	-	-	-	-
66	-	-	-	-
67	-	-	-	-
68	-	-	-	-
69	-	-	-	-
70	-	-	-	-
71	-	-	-	-
72	-	-	-	-
73	-	-	-	-
74	-	-	-	-
75	-	-	-	-
76	-	-	-	-
77	-	-	-	-
78	-	-	-	-
79	-	-	-	-

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80	Albizia Lebbeck	SHIRISH	14	FRAGRANT FLOWERS OR LEAVES -ATTRACTS BIRDS/BUTTERFLIES/BEEES - DROUGHT TOLERANT
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**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>	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	116.25 KVA
	DG set as Power back-up during construction phase	125 KVA * 1
	During Operation phase (Connected load):	61194KW
	During Operation phase (Demand load):	30757KVA
	Transformer:	630 KVA X 47 NOS. + 315 KVA X 5 Nos.
	DG set as Power back-up during operation phase:	600*6 Nos+ 500KVA X 5 NOS+ 320KVA X 1+250KVA X 2
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	No

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

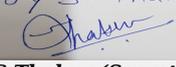
Energy Saving using Energy efficient LED fixtures Against Conventional CFL/T8 fixture with Electronic Ballast for Common Area. 426710 KWH  
 Energy saving using Low Loss Transformer Against Conventional Transformer 182208 KWH  
 Energy Saving using Solar PV cell ( 1% of demand load ) 1080000 KWH  
 Energy Saving using Solar Water Heaters against Electrical Heaters 2080650 KWH  
 Energy Saved by Automatic Timer logic controller for lighting Control Against No timer Control 391209 KWH  
 Energy Saved by Using VFD for Lift against Non VFD 1889240 KWH  
 Total Energy Saving in Project by Energy saving measures 6050017 KWH

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

Serial Number	Energy Conservation Measures	Saving %
1	Total Energy Saving in Project by Energy saving measures	9.62%

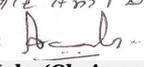
**50.Details of pollution control Systems**

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

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<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs. 315 Lakh
	<b>O &amp; M cost:</b>	Rs. 28.35Lakh/year

## 51.Environmental Management plan Budgetary Allocation

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

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	TO CONTROL AIR POLLUTION	WATER FOR DUST SUPPRESSION	3
2	TO MAINTAIN HYGIENIC CONDITIOON	SITE SANITATION AND SAFTEY	2.5
3	Air, water, noise, soil analysus	Environmental monitoring	3
4	to check fitness of workers	health check up	2
5	to prepare team for Environmental management	EMP cell	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	Water	STP's	1747.86	261.8
2	Rainwater Harvesting	RWH pits	286.00 Lakh ((22+30 Nos) X 1.50 Lacs) + (8 Tanks X 200000 Litre X Rs. 13 per Lit)	15
3	Solid waste management	OWC to treat wet waste	281.75	77.31
4	Landscape	Landscape and Gardening	350	17.53
5	Energy savings	Energy efficient measures	315	28.35

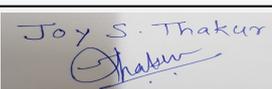
## 51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)

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

## 52.Any Other Information

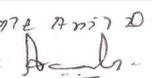
No Information Available

## 53.Traffic Management

  
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	<b>Nos. of the junction to the main road &amp; design of confluence:</b>	2 junctions for each cluster
<b>Parking details:</b>	<b>Number and area of basement:</b>	3 basement, 72109.82 Sq.m.
	<b>Number and area of podia:</b>	192621.34 , 15 no. of podium
	<b>Total Parking area:</b>	127275 sq.m
	<b>Area per car:</b>	12.5 m
	<b>Area per car:</b>	12.5 m
	<b>Number of 2-Wheelers as approved by competent authority:</b>	-
	<b>Number of 4-Wheelers as approved by competent authority:</b>	10182 nos.
	<b>Public Transport:</b>	Available
	<b>Width of all Internal roads (m):</b>	6 m
	<b>CRZ/ RRZ clearance obtain, if any:</b>	NA
	<b>Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries</b>	NA
	<b>Category as per schedule of EIA Notification sheet</b>	8 (b), B1
	<b>Court cases pending if any</b>	NA
	<b>Other Relevant Informations</b>	Tree List is attached as annexure also. the project exceeds total construction area of 3,00,000 Sq.m. but due to unavailability of option to submit it in more than 3,00,000 Sq.m. area projects. we are applying here on the portal.
	<b>Have you previously submitted Application online on MOEF Website.</b>	No
	<b>Date of online submission</b>	-

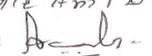
### SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

<b>Environmental Impacts of the project</b>	-
<b>Water Budget</b>	-
<b>Waste Water Treatment</b>	-

  
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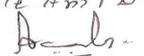
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-
Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

### Brief information of the project by SEAC

PP has submitted his application for prior Environmental clearance for total plot area of 403906.17m<sup>2</sup>, FSI area of 726791 m<sup>2</sup>, Non FSI area of 593299 m<sup>2</sup> and total BUA of 1320090 m<sup>2</sup>.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(b)B1.

### DECISION OF SEAC

 <b>Joy S. Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 93 Meeting Date: September 3, 2019</b>	<b>Page 35 of 118</b>	<b>Name: K. Anil Kale</b>  <b>Shri. Anil Kale (Chairman SEAC-III)</b>
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Committee informed PP to use model TOR available on the web site of MoEF&CC in addition to the points mentioned below for carrying out EIA studies:

**Additional terms of Reference for carrying out EIA studies**

**1. Project Description**

1. Project description, its importance and the benefits.
2. Project site details (location, topo-sheet of the study area of 10 Km, Coordinates, google map, layout map, land use, geological features and geo-hydrological status of the study area, drainage). Hydro-geological survey report with graphs & data.
3. Land use as per the approved Master Plan of the area, Permission/approvals required from the land owning agencies, Development Authorities, Local Body, Water supply & Sewerage Board, etc.
4. Land acquisition status, R & R details.
5. Forest and Wildlife and eco-sensitive zones, if any in the study area of 10 km. Any sensitive areas in impact zone such as archaeological structures, reserved forest, noise sensitive zones etc. Clearances required under the Forest (Conservation) Act, 1980, the Wildlife (Protection) Act, 1972 and/or the Environment (Protection) Act, 1986.
6. (G) High Tension wires if any on the plot.
7. (G) Plan showing HFL.
8. (G) Permissions granted by State Government in tabular and chronological form. Comparative statement of components approved and components constructed as per earlier EC (if applicable) and proposed development.
9. (G) PP to submit the detailed master plan indicating already completed construction and proposed construction. PP to submit the certificate from architect for completed work

**2. Base Line Data**

10. (B) Baseline environmental study for ambient air (PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>, NO<sub>x</sub> & CO), water (both surface and ground), noise and soil as per MoEF&CC/CPCB guidelines at minimum 5 locations in the study area of 10 km, The collection and analysis of data shall be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1986, or an environmental laboratory duly notified under the Environment (Protection) Act, 1986, or an environmental laboratory accredited by NABL, or a laboratory of a Council of Scientific and Industrial Research (CSIR) institution working in the field of environment.
11. (C) Detail on flora and fauna and socio-economic aspects in the study area. Details of tree cutting, tree transplantation and survival report of existing trees.
12. (C) Likely impact of the project on the environmental parameters (ambient air surface and ground water, land, flora and fauna and socio-economic, etc.)
13. (B) Source of water for different identified purposes with the permissions required from the concerned authorities, both for surface water and the ground water (by CGWA) as the case may be, Rain water harvesting, etc.
14. (G) Socio-economic infrastructure details including public transport arrangements on the site; PP to mention details of socio-economic in EIA.
15. (G) PP to submit contour map with slopes, drainage pattern of the site and surrounding area. Layout showing natural water courses on site; total runoff calculation before and after development.
16. (C) PP to submit details of existing trees, proposed to be cut, proposed to be transplanted along with tree survival report

**3. Traffic Impact Study in detail including:**

17. (V) Traffic Management Plan for the development - Internal circulation indicating road width and turning radius. Cross section of roads at four places showing clear road width, distance left from building line, spaces left for plantation, footpath, service lines etc.
18. (V) Traffic Volume Counts and Turning Movement Counts on all the external surrounding roads of the proposed project showing the time period taken.
19. (V) Topographic details of roads and intersection of the surrounding roads where counts are taken, actual geometry on ground to be shown with dimensions.
20. (V) Traffic generation values of similar development to be given by actual count by actual count as support data for assumption made to the particular project.
21. (V) Parking statement mentioning parking as per DCR & parking provided actually.
22. (V) Basement ventilation plan: Fire Tender Movement Plan showing clear road and turning radius. Cross section of roads at four places including UGT, OWC and DG set location showing clear road width and distance left from building line & spaces left for plantation, parking, service lines, foot paths, etc.

**4. Environmental Impact and Management Plan:**

23. (B) Identify sources of air pollution, indicate mitigation measures to reduce Air pollution/Noise pollution.
24. (G) Debris management plan including (a) debris required for refilling, (b) contour plan, (c) details of site where excess debris will be disposed, capacity of the site and NOC of plot owner. PP shall also ensure that debris disposed on other plot shall not be disposed on another plot. If to be disposed on another plot, the same shall be carried out as per prevailing environmental laws.
25. (B) Management of solid waste and the construction & demolition waste for the project vis-a-vis the Solid Waste Management Rules 2016 and the Construction & Demolition Rules, 2016. Transport, collection, storage and disposal for all types of wastes like hazardous waste, non-hazardous waste, solid waste, E- waste, and debris/excess earth etc. PP to provide the detailed solid waste management plan along with marked locations on the master plan. Design details of waste processing equipment such as OWC/biogas plants confirming to the technical requirements to meet the quality products.
26. (B) Waste water management (treatment, reuse and disposal) for the project and also the study area. Design of all STP's along with BOD load, oxygen requirement calculations and sizing of the tanks with respect to the design criteria. PP to submit detailed calculation for the disinfection of the treated STP water; PP to submit cross sectional drawing of STP's showing dimensions and ground level; PP to provide ozonation for tertiary treatment. PP to mark the area required for all STP's on master layout with dimensions
27. (J) PP to show internal storm water drain and sewer line arrangements up to final disposal point.
28. (C) Provision of mandatory RG area on virgin land and submit the drawing with calculations, ensuring entire mandatory RG is provided on the plot where residential buildings are proposed.
29. (G) A detailed phase wise development plan with safety planning where occupancy has been given.
30. (T) If any site specific structures such as creation of water body, alteration of natural storm water, large alteration of slopes, creation of green areas abutting to water bodies / natural storm water drain / river etc, is involved, detailed environmental protection approach for the same shall be provided.
31. (D) Separate chapter on Renewable energy in EIA report. PP to submit terrace plan for installing solar panels& calculations of energy saving; Energy efficient measures (LED lights, solar power, etc.) during construction as well as during operational phase of the project. Report on ECBC compliance.
32. (D) Provide details of Solar PV and Solar water heater in the specific format. PP to carryout shadow analysis for identifying the roof-top area for providing solar panels
33. (B) Environmental status report including analysis reports of all environmental pollution reduction facilities if any commissioned.
34. (K) PP to submit Disaster management plan.
35. (B) Preparation of site specific, executable and auditable environment management plan (EMP)

**5. Environmental Modelling and additional Studies:**

36. (B) Fugitive dust modelling by using local meteorological data.
37. (B) Ecological footprint calculation using LCA approach.
38. (B) Estimation of Carbon footprint of the project.
39. (B) Gate mass balance analysis for environmental parameters related to solid/liquid waste material coming to site, waste generated and its treatment and disposal from site.

**6. NOCs, Undertakings and CER:**

40. (T) NOC's required: a) CFO NOC, b)Water supply NOC with quantity, c) Drainage NOC, d) Non-biodegradable waste disposal.
41. (T) Undertaking to provide DG set backup to all Pollution Control Devices, Water Supply, Emergency Services including emergency lifts, etc.
42. (K) PP to submit details of CER activities in consultation with the affected people in the project area as per MoEF&CC circular dt. 01.05.2018, along with details of fund utilization & agreement or consent of executor.

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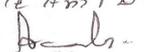
Specific Conditions by SEAC:

Joy S. Thakur  


**Joy S.Thakur (Secretary  
SEAC-III)**

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**Signature: **

**Shri. Anil Kale (Chairman  
SEAC-III)**

## FINAL RECOMMENDATION

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

SEAC-AGENDA-00000000320

Joy S. Thakur  


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Signature: 

**Shri. Anil Kale (Chairman  
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## 93rd SEAC-3 Day 01

**SEAC Meeting number: 93 Meeting Date September 3, 2019**

**Subject:** Environment Clearance for Revalidation of Environment Clearance of Proposed Mixed-use development project "Aaryavarta" (Earlier known as "Metropolis") at S. No. 980 (P), 981 (P), 982 (P), 983 (P) and 985 (P) at near CIDCO, village Nashik, State- Maharashtra by M/s. Linker Shelter Pvt. Ltd

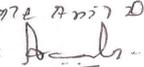
**Is a Violation Case:** No

<b>1.Name of Project</b>	Proposed construction of mixed use township project "Aaryavarta" (earlier known as "Metropolis") by M/s. Linker Shelter Pvt. Ltd
<b>2.Type of institution</b>	Private
<b>3.Name of Project Proponent</b>	M/s Linker Shelter Pvt. Ltd. (Earlier company name: M/s Paranjape Schemes (Construction) Ltd.)
<b>4.Name of Consultant</b>	Mahabal Enviro Engineers Pvt. Ltd., Thane, Maharashtra
<b>5.Type of project</b>	Mixed use development project.
<b>6.New project/expansion in existing project/modernization/diversification in existing project</b>	Revalidation of existing project
<b>7.If expansion/diversification, whether environmental clearance has been obtained for existing project</b>	Yes, we have received Environment Clearance from Government of Maharashtra vide file no. SEAC-2009/CR.425/TC.2 dated 23rd November, 2010
<b>8.Location of the project</b>	Survey No. 980(P),981(P),982(P),983(P) and 985(P) at near CIDCO, Village-Nashik, State - Maharashtra.
<b>9.Taluka</b>	Nashik
<b>10.Village</b>	CIDCO, Nashik
<b>Correspondence Name:</b>	Paranjape Schemes (Construction) Ltd.
<b>Room Number:</b>	-
<b>Floor:</b>	-
<b>Building Name:</b>	Blue Ridge
<b>Road/Street Name:</b>	Near Cognizant
<b>Locality:</b>	Rajiv Gandhi Infotech Park-Phase I, Hinjawadi,
<b>City:</b>	Pune- 411057
<b>11.Whether in Corporation / Municipal / other area</b>	Nashik Municipal Corporation
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	Sanction Plan received from Nashik Municipal Corporation vide A3/BP/561/07 dated 27.04.2017 <b>IOD/IOA/Concession/Plan Approval Number:</b> Sanction Plan received from Nashik Municipal Corporation vide A3/BP/561/07 dated 27.04.2017 <b>Approved Built-up Area:</b> 252789
<b>13.Note on the initiated work (If applicable)</b>	Construction work is in progress as per earlier Environment Clearance
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	Sanction Plan received from Nashik Municipal Corporation vide A3/BP/561/07 dated 27.04.2017
<b>15.Total Plot Area (sq. m.)</b>	2,05,500 m <sup>2</sup>
<b>16.Deductions</b>	34,854 m <sup>2</sup>
<b>17.Net Plot area</b>	1,70,646 m <sup>2</sup>
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> 2,63,812 m <sup>2</sup>
	<b>b) Non FSI area (sq. m.):</b> 95,474 m <sup>2</sup>
	<b>c) Total BUA area (sq. m.):</b> 359286
<b>18 (b).Approved Built up area as per DCR</b>	<b>Approved FSI area (sq. m.):</b> 2,52,789 m <sup>2</sup>
	<b>Approved Non FSI area (sq. m.):</b> 95,474 m <sup>2</sup>
	<b>Date of Approval:</b> 27-04-2017
<b>19.Total ground coverage (m2)</b>	43,150 m <sup>2</sup>
<b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>	21%

  
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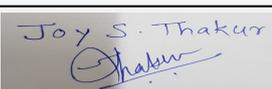
**Name:** K. Anil Kale  
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**Shri. Anil Kale (Chairman  
SEAC-III)**

21.Estimated cost of the project	4400000000
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## 22.Number of buildings & its configuration

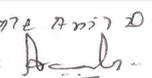
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Sector 1 A - Building V (2 nos)	Stilt+12 floor	39.24
2	Sector 1 B - Building P - Polyclinic	G+4 floor	18
3	Sector 2 - Building -Q - Mall Multiplex	B+G+7 floor	29.4
4	Sector 3 - Building Y	Stilt+9 floor	29.28
5	Sector 3 - Building Y2	Stilt+9 floor	29.28
6	Sector 4A - Building Y2' (2 nos)	Stilt+9 floor	29.4
7	Sector 4A - Building Y	Stilt+9 floor	29.28
8	Sector 4B - Building Y2	Stilt+9 floor	29.28
9	Sector 4B - Building Y (2 Nos.)	Stilt+9 floor	29.28
10	Sector 4B - Building W (3 Nos)	Stilt+7 floor	23.44
11	Sector 5 - Building O (9 Nos.)	G +1 floor	9.34
12	Sector 6 - Building X1(2 Nos.)	Stilt+8 floor	27.63
13	Sector 6 - Building X2 (2 Nos.)	Stilt+8 floor	26.91
14	Sector 6 - Building X2' (2 Nos.)	Stilt+8 floor	26.91
15	Sector 6- Building U (2 Nos.)	Stilt+7 floor	23.44
16	Sector 7 - Building Y (2 Nos.)	Stilt+11 floor	35.12
17	Sector 7 - Building Y	Stilt+12 floor	38.04
18	Sector 7 - Building Z (3 Nos.)	Stilt+7 floor	23.44

<b>23.Number of tenants and shops</b>	2,738 nos. of Tenements 393 nos. of Shops
<b>24.Number of expected residents / users</b>	Total population - 18,220 nos. ( Residential users - 13,787 nos. + Commercial users - 4,433 nos.)
<b>25.Tenant density per hectare</b>	350 tenants/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>	Internal road - 12 m & 18 m
<b>28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation</b>	Turning radius - 12 m
<b>29.Existing structure (s) if any</b>	Existing constructed buildings as per environment clearance
<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>	Source of water	Nashik Municipal Corporation							
	Fresh water (CMD):	1303 m3/day							
	Recycled water - Flushing (CMD):	751 m3/day							
	Recycled water - Gardening (CMD):	333 m3/day							
	Swimming pool make up (Cum):	9 m3							
	Total Water Requirement (CMD) :	2,650 m3/day							
	Fire fighting - Underground water tank(CMD):	As per Fire NOC							
	Fire fighting - Overhead water tank(CMD):	As per Fire NOC							
	Excess treated water	280 m3/day							
<b>Wet season:</b>	Source of water	Nashik Municipal Corporation							
	Fresh water (CMD):	1303 m3/day							
	Recycled water - Flushing (CMD):	751 m3/day							
	Recycled water - Gardening (CMD):	-							
	Swimming pool make up (Cum):	9 m3							
	Total Water Requirement (CMD) :	2,650 m3/day							
	Fire fighting - Underground water tank(CMD):	As per Fire NOC							
	Fire fighting - Overhead water tank(CMD):	As per Fire NOC							
	Excess treated water	280 m3/day							
<b>Details of Swimming pool (If any)</b>	3 Nos. of Swimming pool Total Make up water quantity - 9 m3								

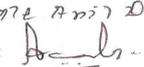
### 33. Details of Total water consumed

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

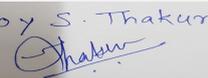
  
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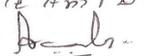
**Name: K. Anil Kale**  
  
**Signature: Shri. Anil Kale (Chairman SEAC-III)**

<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	10 m below ground level
	<b>Size and no of RWH tank(s) and Quantity:</b>	NA
	<b>Location of the RWH tank(s):</b>	NA
	<b>Quantity of recharge pits:</b>	37 nos. of recharge pits.
	<b>Size of recharge pits :</b>	1.5 m X 1.5 m X 2.5 m Depth
	<b>Budgetary allocation (Capital cost) :</b>	Rs.10 Lakh
	<b>Budgetary allocation (O &amp; M cost) :</b>	Rs.1 Lakh/year
	<b>Details of UGT tanks if any :</b>	1. Domestic - 1,953 m3 2. Flushing - 751 m3 3. Fire Fighting - 650 m3
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	By gravity
	<b>Quantity of storm water:</b>	2 m3/sec
	<b>Size of SWD:</b>	450 mm x 700 mm
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	1,642 m3/day
	<b>STP technology:</b>	MBBR
	<b>Capacity of STP (CMD):</b>	2 nos. of STP having total capacity of 1850 m3/day (1 no. x 550 m3/day ; 1 no. x 1300 m3/day)
	<b>Location &amp; area of the STP:</b>	Location - On ground ; Area of STP - 1,500 m2
	<b>Budgetary allocation (Capital cost):</b>	Rs.462 Lakh
	<b>Budgetary allocation (O &amp; M cost):</b>	Rs.60 Lakh/year
<b>36.Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	Waste generation is 2,35,434 m3
	<b>Disposal of the construction waste debris:</b>	Top soil will be used for landscaping. The construction debris will be utilized at site for road paving and plinth filling.
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	4,651 kg/day
	<b>Wet waste:</b>	3,101 kg/day
	<b>Hazardous waste:</b>	Not applicable
	<b>Biomedical waste (If applicable):</b>	At actual
	<b>STP Sludge (Dry sludge):</b>	16 kg/day
	<b>Others if any:</b>	Not applicable

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<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Dry garbage will be segregated & disposed off to recyclers
	<b>Wet waste:</b>	Wet garbage will be recycled through Organic Waste Converter used as organic manure for landscaping
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	Handed over to authorized vendors
	<b>STP Sludge (Dry sludge):</b>	STP sludge can be used as manure for plantation & gardening purposes inside the premise
	<b>Others if any:</b>	NA
<b>Area requirement:</b>	<b>Location(s):</b>	On ground
	<b>Area for the storage of waste &amp; other material:</b>	300 m <sup>2</sup>
	<b>Area for machinery:</b>	50 m <sup>2</sup>
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs.52 Lakh
	<b>O &amp; M cost:</b>	Rs.5 Lakh/year

### 37. Effluent Characteristics

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

### 38. Hazardous Waste Details

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

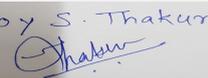
### 39. Stacks emission Details

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

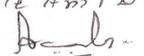
Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable

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>	1,34,305 m2
	<b>No of trees to be cut :</b>	117 nos.
	<b>Number of trees to be planted :</b>	2,730 nos.
	<b>List of proposed native trees :</b>	Provided
	<b>Timeline for completion of plantation :</b>	1-2 years

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Saraca indica	Sita Ashoka	288	Hardy evergreen tree, grows well in warm climate
2	Peltophorum pterocarpum	Peltophorum	188	Deciduous tree, provides shade & graceful appearance
3	Azardirachta indica	Neem	239	Evergreen tree with Medicinal properties
4	Millingtonia hortensis	Indian Cork Tree	85	Deciduous tree, large foliage & beautiful tree
5	Casia fistula	Bahava	217	Spreading tree, dense foliage provides shades
6	Plumeria alba	Chafa	12	Evergreen flowering tree with good fragrance
7	Lagerstromia indica	Tamhan	216	Official state tree
8	Bauhinia tomentosa	Kanchan	176	Small, deciduous tree, good for garden plantation
9	Michelia Champaca	Sonchafa	127	Ornamental plant used at very specific locations, hardy plant
10	Khaya grandis	Khaya	167	Evergreen tall tree, providing shade
11	Albezia saman	Shirish	246	Medium evergreen tree providing shade
12	Anthocephalus cadamba	Kadamb	206	Large evergreen tree providing shade
13	Pongamia Pinnata	Karanj	32	Large evergreen tree providing shade
14	Mimusops elengi	Bakul	130	Medium evergreen tree bearing small fragrant flowers
15	Alstonia scholaris	Saptaparni	26	Large evergreen tree with beautiful leaves
16	Phyllanthus Emblica	Awala	120	Fruit bearing tree attracts birds
17	Mangifera indica	Mango	12	Fruit bearing large tree attracts birds, provides shade
18	Dillenia indica	Elephant apple tree	133	Fruit bearing tree attracts birds & butterflies
19	Psidium guajava	Guava	110	Fruit bearing tree attracts birds & butterflies

  
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20	Albezia saman	Shirish	246	Medium evergreen tree providing shade
21	Anthocephalus cadamba	Kadamb	206	Large evergreen tree providing shade
22	Pongamia Pinnata	Karanj	32	Large evergreen tree providing shade
23	Mimusops elengi	Bakul	130	Medium evergreen tree bearing small fragrant flowers
24	Total	-	2,730	-
<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	Not Applicable.	Not Applicable.	Not Applicable.

#### 47.Energy

<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	100 kW
	<b>DG set as Power back-up during construction phase</b>	100 kVA
	<b>During Operation phase (Connected load):</b>	26 MVA
	<b>During Operation phase (Demand load):</b>	11.5 MVA
	<b>Transformer:</b>	25 nos. x 630 kVA
	<b>DG set as Power back-up during operation phase:</b>	1 no. x 100 kVA 5 nos. x 150 kVA 1 no. x 200 kVA 5 nos. x 250 kVA 3 nos. x 320 kVA 1 no. x 380 kVA 2 nos. x 720 kVA
	<b>Fuel used:</b>	Diesel
	<b>Details of high tension line passing through the plot if any:</b>	Not applicable

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

The following Energy Conservation Methods are proposed in the project:

? Energy saving measures: Solar water heating system & LED.

? Details calculation & % of saving: 20%

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

Serial Number	Energy Conservation Measures	Saving %
1	1. Use of solar water heating system 2. Use of LED Lights in common areas 3. Maximum use of daylight 4. Energy efficient pump and fixtures	20

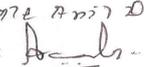
#### 50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
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Not applicable	Not applicable	Not applicable
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs.60 Lakh
	<b>O &amp; M cost:</b>	Rs.3 Lakh/year

## 51.Environmental Management plan Budgetary Allocation

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

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water spray for dust suppression	30
2	-	Water utilization for tree planted along with the plot boundary	20
3	-	Vehicle maintenance, washing area, tyre cleaning	5
4	-	Safety net	10
5	Water Environment	Site sanitation, Toilets, STP, safe drinking water	20
6	-	Environment Monitoring	6
7	-	Storm water management	10
8	Socio Economic Environment	Disinfection at site	5
9	Health & Safety	Health check-up for workers, first aid kit	15
10	Noise Environment	Site fencing & noise barrier	10
11	-	Traffic management	5
12	Training and awareness	Safety personal protective equipment & Training programs	15
13	Total	-	151

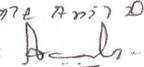
### b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	2 Nos. of STP having total capacity 1,850 m3/day	462	60
2	Rain water Harvesting	Channelizing and maintenance of rain water harvesting	10	1
3	Solid Waste Management	Cost for Treatment of Biodegradable garbage in OWC	52	5
4	Landscape Development including tree plantation along with the plot boundary	RG Area	150	15

  
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5	Environmental Monitoring	Monitoring and analysis of Air, Water, Noise, Soil, Ground water, STP treated water etc.	MoEF Approved Lab	3
6	Energy conservation	Solar Energy	60	3
7	Fire Fighting System	Solar Energy Fire Extinguisher	110	10
8	Total	-	844	97

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

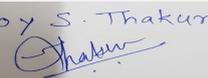
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 52.Any Other Information

No Information Available

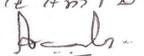
### 53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1 no. of the junctions
Parking details:	Number and area of basement:	1 nos. of Basement Parking & Basement parking area of 5,000 m2
	Number and area of podia:	NA
	Total Parking area:	66,960 m2
	Area per car:	35 m2 & 30 m2
	Area per car:	35 m2 & 30 m2
	Number of 2-Wheelers as approved by competent authority:	3,693 nos.
	Number of 4-Wheelers as approved by competent authority:	3,161 nos.
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	12m, 18 m
	CRZ/ RRZ clearance obtain, if any:	Not applicable

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	<b>Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries</b>	Not applicable
	<b>Category as per schedule of EIA Notification sheet</b>	8(b) B1 Category
	<b>Court cases pending if any</b>	Yes There is court case pending in District Court, Nashik vide no. 1/2007 and 1/2016.
	<b>Other Relevant Informations</b>	This project has received Environment Clearance from Government of Maharashtra vide file no. SEAC-2009/CR.425/TC.2 dated 23rd November, 2010 We have applied the EC extension to EAC dated 30.10.2017
	<b>Have you previously submitted Application online on MOEF Website.</b>	Yes
	<b>Date of online submission</b>	30-10-2017

### SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

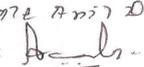
<b>Environmental Impacts of the project</b>	-
<b>Water Budget</b>	-
<b>Waste Water Treatment</b>	-
<b>Drainage pattern of the project</b>	-
<b>Ground water parameters</b>	-
<b>Solid Waste Management</b>	-
<b>Air Quality &amp; Noise Level issues</b>	-
<b>Energy Management</b>	-
<b>Traffic circulation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

### Brief information of the project by SEAC

  
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The PP remained **absent**. The proposal was deferred.

### DECISION OF SEAC

The PP remained **absent**. The proposal was deferred.

Specific Conditions by SEAC:

### FINAL RECOMMENDATION

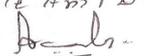
Kindly find SEIAA decision above.

SEAC-AGENDA-0000000320

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## 93rd SEAC-3 Day 01

**SEAC Meeting number: 93 Meeting Date September 3, 2019**

**Subject:** Environment Clearance for Proposed Residential & Commercial development project Namely Berjaya Hills at S.No.79 (P) at Village - Dighi, Tal. Haveli, Dist. Pune, Maharashtra

**Is a Violation Case:** No

1.Name of Project	Berjaya Hills
2.Type of institution	Private
3.Name of Project Proponent	Mr. Prasad Pawar
4.Name of Consultant	M/s. Building Environment (I) Pvt. Ltd.
5.Type of project	Residential project
6.New project/expansion in existing project/modernization/diversification in existing project	Not applicable
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	S.No.79 (P)
9.Taluka	Haveli
10.Village	Dighi
Correspondence Name:	V -Square Properties LLP
Room Number:	Office No.202
Floor:	2nd Floor
Building Name:	B-Zone, Beside Vijay Sales
Road/Street Name:	Old Pune Mumbai Highway
Locality:	Pimpri
City:	Pune
11.Whether in Corporation / Municipal / other area	PCMC
12.IOD/IOA/Concession/Plan Approval Number	B.P./EC/Dighi/01/18 dt. 14/12/2018
	<b>IOD/IOA/Concession/Plan Approval Number:</b> B.P./EC/Dighi/01/18 dt. 14/12/2018
	<b>Approved Built-up Area:</b> 35391.45
13.Note on the initiated work (If applicable)	Not Applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	7738.46 Sq.m.
16.Deductions	2148.41 Sq.m.
17.Net Plot area	5590.05 Sq.m.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 15402.03
	b) Non FSI area (sq. m.): 19989.42
	c) Total BUA area (sq. m.): 35391.45
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 15402.03
	Approved Non FSI area (sq. m.): 19989.42
	Date of Approval: 14-12-2018
19.Total ground coverage (m2)	1754.02
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	31.37 % of Net Plot Area
21.Estimated cost of the project	661801180

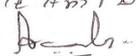
## 22.Number of buildings & its configuration

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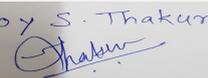
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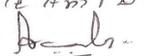
**Shri. Anil Kale (Chairman SEAC-III)**

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)	
1	Wing A	MP + GP + 11	36.75	
2	Wing B & C	MP + GP + 11	36.75	
3	Wing D	MP + GP + 11	36.75	
4	Club House	G + 1	7.20	
<b>23.Number of tenants and shops</b>	Wing A - 66 Nos. Flat & Office - 38 Nos. Wing B - 86 Nos. Wing C - 86 Nos. Wing D- 86 Nos. Total - 324 Nos. Flat & 38 Nos. Office			
<b>24.Number of expected residents / users</b>	Residential - 1620 Nos. Commercial - 108 Nos. Total - 1728 Nos.			
<b>25.Tenant density per hectare</b>	250 / 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>	18 m to 60.00 m wide D.P. road			
<b>28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation</b>	Min. 9.0 m			
<b>29.Existing structure (s) if any</b>	Not Applicable			
<b>30.Details of the demolition with disposal (If applicable)</b>	Not Applicable			
<b>31.Production Details</b>				
Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable
<b>32.Total Water Requirement</b>				

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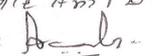
**Name: K. Anil D.**  
  
**Signature: Shri. Anil Kale (Chairman SEAC-III)**

Dry season:	Source of water	PCMC							
	Fresh water (CMD):	148							
	Recycled water - Flushing (CMD):	75							
	Recycled water - Gardening (CMD):	04							
	Swimming pool make up (Cum):	NA							
	Total Water Requirement (CMD) :	227							
	Fire fighting - Underground water tank(CMD):	100							
	Fire fighting - Overhead water tank(CMD):	80							
	Excess treated water	121							
Wet season:	Source of water	PCMC							
	Fresh water (CMD):	148							
	Recycled water - Flushing (CMD):	75							
	Recycled water - Gardening (CMD):	0							
	Swimming pool make up (Cum):	NA							
	Total Water Requirement (CMD) :	223							
	Fire fighting - Underground water tank(CMD):	100							
	Fire fighting - Overhead water tank(CMD):	80							
	Excess treated water	125							
Details of Swimming pool (If any)	Not Applicable								
<b>33.Details of Total water consumed</b>									
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

  
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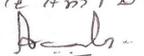
**Name: K. Anil Kale**  
  
**Signature: Shri. Anil Kale (Chairman SEAC-III)**

<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	6-8 m bgl
	<b>Size and no of RWH tank(s) and Quantity:</b>	Not Applicable
	<b>Location of the RWH tank(s):</b>	Not Applicable
	<b>Quantity of recharge pits:</b>	5 nos.
	<b>Size of recharge pits :</b>	2 m x 2 m x 2 m
	<b>Budgetary allocation (Capital cost) :</b>	7.5 Lakh
	<b>Budgetary allocation (O &amp; M cost) :</b>	0.3 Lakh
	<b>Details of UGT tanks if any :</b>	Domestic Water Tank - 132605 lt. Drinking Water Tank - 16200 lt. Firefighting - 100000 lt.
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	East to West
	<b>Quantity of storm water:</b>	286 m3
	<b>Size of SWD:</b>	150 mm & 200 mm dia pipes
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	210
	<b>STP technology:</b>	MBBR
	<b>Capacity of STP (CMD):</b>	1 Nos. 210 KLD
	<b>Location &amp; area of the STP:</b>	Near Wing A & 168 Sq.m.
	<b>Budgetary allocation (Capital cost):</b>	20 Lakh
	<b>Budgetary allocation (O &amp; M cost):</b>	7.82 Lakh
<b>36.Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	Waste generation: waste concrete, excavated soil, broken bricks, waste plaster, metallic scrap etc.
	<b>Disposal of the construction waste debris:</b>	Construction waste will be generated from the building. It includes waste concrete, excavated soil, broken bricks, waste plaster, metallic scrap etc. Construction debris will be used for base course preparation
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	340 kg/day
	<b>Wet waste:</b>	497 kg/day
	<b>Hazardous waste:</b>	Negligible
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	4.71 kg/day
	<b>Others if any:</b>	NA

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<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Collected & Disposed by local body (Swachh )
	<b>Wet waste:</b>	Treated in OWC
	<b>Hazardous waste:</b>	To Authorized Vendor
	<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>	At Ground Level near Wing A
	<b>Area for the storage of waste &amp; other material:</b>	33.2 Sq.m.
	<b>Area for machinery:</b>	10.8 Sq.m. Total Area - 44 Sq.m.
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	14.75 Lakh
	<b>O &amp; M cost:</b>	3.11 Lakh

### 37. Effluent Characteristics

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

### 38. Hazardous Waste Details

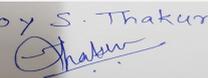
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable						

### 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	250 KVA-1 no. 150 KVA-1 no. DG set	HSD- 440 LIT. 300 LIT.	2	40	150 mm	350 DEG. C.

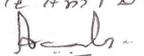
### 40. Details of Fuel to be used

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>	988.85 Sq.m.
	<b>No of trees to be cut :</b>	NA
	<b>Number of trees to be planted :</b>	81
	<b>List of proposed native trees :</b>	Attached
	<b>Timeline for completion of plantation :</b>	2.25 Years

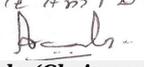
#### 44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Cassia Fistula	Bahawa	08	Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plant.
2	Mangifera indica	Mango	06	Flowering and Fruit growing tree. Suitable for all types of soil. Medium logging to water tolerance.
3	Nyctanthes arbor-tristis	Parijatak	04	The flower is the official flower of the state of India.
4	Lagerstromia speciosa	Tamhan	06	State flower tree of Maharashtra Medium sized tree, beautiful purple flowers.
5	Syzygium cumini	Jambul	04	Flowering evergreen tropical tree, slow growing species, long life, dense foliage provides shade and is grown for its enviornmental value.
6	Murraya koenigii	Curry leaves	06	Butterfly host plant
7	Bauhinia Racemosa	Apta	04	Flowering shrub with religious significance
8	Cochlospermum religiosum	Sonsawar	05	Buttercup tree. Fruit is a brown splits open to release the black seeds which are covered with woolly white hairs.
9	Michella champaca	Sonchaffa	05	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
10	Dalbergia sisoo	Sissoo	05	Fast growing medium to large hardy deciduous rosewood.
11	Azadirachta indica	Neem	06	Fast growing large tree, evergreen good for roadside plantation, draught resistant, shade giving tree in summer also.
12	Anthocephalus kadamba	Kadamba	05	Shady, large deciduous tree, fastgrowing graceful tree, ball shaped flowers.
13	Ailanthus excelsa	Maharukh	04	Softwood tree. one of the best tree used to trap Suspended Particulate Matter (SPM)

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14	Phyllanthus emblica	Awala	06	Deciduous tree fruit with edible fruit.
15	Ficus microcarpa	Nandruk	07	Shady tree, good for roadside plantation
16		Total	81	

**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>	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	40 kW
	DG set as Power back-up during construction phase	1 No. x 62.5 kVA
	During Operation phase (Connected load):	1534 kW
	During Operation phase (Demand load):	932 kW
	Transformer:	2 x 630 kVA
	DG set as Power back-up during operation phase:	1 no. x 250 kVA and 1 no. x 150 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

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

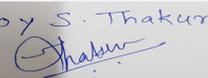
Use of Energy Efficient Lighting and use of Energy generated Solar PV system for common area and solar hot water

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

Serial Number	Energy Conservation Measures	Saving %
1	Use of Energy Efficient Lighting and use of Energy generated Solar PV system for common area and solar hot water	14 %

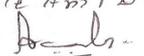
**50.Details of pollution control Systems**

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>	Capital cost:	22.50 Lakh
	O & M cost:	0.75 Lakh

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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 for Dust Suppression	-	5.00
2	Site Sanitation & Safety	-	5.00
3	Safety Awareness Training for Workers	-	7.00
4	Environmental Monitoring	-	3.00
5	Drinking water facility	-	5.00
6	Solid Waste management	-	3.00
7	Personnel Protective Equipment & Health Checks-Ups	-	5.00
8	Total	-	33.00

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

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Rain Water harvesting	-	7.5	0.3
2	Sewage Treatment Plant	-	20	7.82
3	Organic waste composting	-	14.75	3.11
4	Landscape & Tree Plantation	-	19.18	4.89
5	Solar hot water panel and PV Solar	-	27.24	15.93
6	DG Set	-	22.50	0.75
7	Environmental Monitoring	-	-	5
8	Total	-	111.17	23.48

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

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

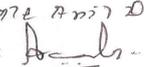
## 52.Any Other Information

No Information Available

  
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### 53. Traffic Management

	Nos. of the junction to the main road & design of confluence:	NA
Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	7318.87 Sq.m.
	Area per car:	Provided as per NBC Rules
	Area per car:	Provided as per NBC Rules
	Number of 2-Wheelers as approved by competent authority:	726
	Number of 4-Wheelers as approved by competent authority:	188 (Mechanical Parking -Lower Parking Floor)
	Public Transport:	NA
	Width of all Internal roads (m):	Min 6 m driveway, 12 m internal road at Entrance
	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	B
	Court cases pending if any	NA
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

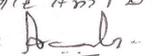
### SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-

  
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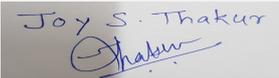
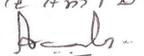
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-
Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

### Brief information of the project by SEAC

PP has submitted his application for prior Environmental clearance for total plot area of 7738.46m<sup>2</sup>, FSI area of 15402.03m<sup>2</sup>, Non FSI area of 19989.42m<sup>2</sup> and total BUA of 35391.45 m<sup>2</sup>.

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

### DECISION OF SEAC

 <b>Joy S.Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 93 Meeting Date: September 3, 2019</b>	<b>Page 58 of 118</b>	<b>Name: K 072 Anil D.</b> <b>Signature: </b> <b>Shri. Anil Kale (Chairman SEAC-III)</b>
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### During discussion following points emerged:

1. PP has proposed Solar PV Panels for societies in PCMC, solar street lights within PCMC, RWH in nearby societies and providing ambulance to Ashram in PCMC area. In all these cases, PP to furnish specific area or places, street name etc. and numbers. PP submit revised CER accordingly.
2. PP to revise fire tender movement plan by removing all obstructions and other refuges etc. shown by dotted line. PP to maintain uniform width of 6 m and turning radius of 9 m. PP to submit cross sections at 4-5 places.
3. Parking layout plan at both the levels shall be revised such that the uniform ramp width of 4.5 m for one way traffic is available at all places without any bottle necks created by structures like STP, water tanks etc.
4. PP to submit plan approved by PCMC for mechanical parking.
5. PP to submit parking statement showing total number of parking required and proposed as per DCR / Town Planning norms with adequate area per car as per norms.
6. PP to submit detailed geo hydrological report incorporating recharge pit sections.
7. PP to submit debris management plan.
8. PP to submit master layout superimposing all environmental parameters.
9. PP to submit details of STP.
10. PP to submit energy saving calculations.
11. PP to submit drawings / layout of sewage line up to final disposal point and drainage NOC from competent authority.
12. PP to submit indemnity bond indemnifying Environment Department, GoM from any legal consequences.
13. PP to obtain and submit following NOC's: (a) Water supply with quantity, (b) Garden NOC.
14. PP to submit UGT details.
15. PP to submit plantation plan incorporating local native fruit bearing trees.

PP requested for time to submit the information sought; after deliberations committee asked PP to **comply** with the observations and submit information to the committee for further discussion and consideration of SEAC.

### Specific Conditions by SEAC:

  
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## FINAL RECOMMENDATION

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

SEAC-AGENDA-00000000320

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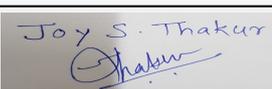
## 93rd SEAC-3 Day 01

**SEAC Meeting number: 93 Meeting Date September 3, 2019**

**Subject:** Environment Clearance for Application for Amendment in Environment Clearance of Proposed Residential and Commercial project "Azure" at S. No. 84/1B, 84/2B, 84/3B, 85/4 at Village- Tathavade, Taluka - Mulshi, Dist.- Pune, State- Maharashtra by M/s. Paranjape Schemes (Construction) Ltd.

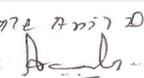
**Is a Violation Case:** No

<b>1.Name of Project</b>	Proposed Residential and Commercial project "Azure" at S. No. 84/1B, 84/2B, 84/3B, 85/4 at Village- Tathavade, Taluka - Mulshi, Dist.- Pune, State- Maharashtra by M/s. Paranjape Schemes (Construction) Ltd.
<b>2.Type of institution</b>	Private
<b>3.Name of Project Proponent</b>	M/s. Paranjape Schemes (Construction) Ltd.
<b>4.Name of Consultant</b>	Mahabal Enviro Engineers Pvt. Ltd. Thane
<b>5.Type of project</b>	Residential and Commercial project.
<b>6.New project/expansion in existing project/modernization/diversification in existing project</b>	Amendment in existing project
<b>7.If expansion/diversification, whether environmental clearance has been obtained for existing project</b>	Yes, we have received Environment Clearance from Government of Maharashtra vide file no. SEAC-2013/C.R.284/TC-2 Dated 16th January,2016.
<b>8.Location of the project</b>	S. No. 84/1B, 84/2B, 84/3B, 85/4 at Village- Tathavade, Taluka - Mulshi, Dist.- Pune, State- Maharashtra.
<b>9.Taluka</b>	Mulshi
<b>10.Village</b>	Tathavade
<b>Correspondence Name:</b>	Paranjape Schemes (Construction) Ltd. Blue Ridge, Near Cognizant, Rajiv Gandhi Infotech Park-Phase I, Hinjawadi, Pune-411057
<b>Room Number:</b>	-
<b>Floor:</b>	-
<b>Building Name:</b>	Blue Ridge
<b>Road/Street Name:</b>	Near Cognizant, Rajiv Gandhi Infotech Park-Phase I
<b>Locality:</b>	Hinjawadi
<b>City:</b>	Pune
<b>11.Whether in Corporation / Municipal / other area</b>	Pimpri Chinchwad Municipal Corporation (PCMC)
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	Sanction Plan received from Pimpri Chinchwad Municipal Corporation (PCMC) vide B.P./Tathavade/58/2018 Dated 05th November, 2018. We have applied for revised sanction plan to Pimpri Chinchwad Municipal Corporation (PCMC) <b>IOD/IOA/Concession/Plan Approval Number:</b> Sanction Plan received from Pimpri Chinchwad Municipal Corporation (PCMC) vide B.P./Tathavade/58/2018 Dated 05th November, 2018. We have applied for revised sanction plan to Pimpri Chinchwad Municipal Corporation (PCMC) . <b>Approved Built-up Area:</b> 24626
<b>13.Note on the initiated work (If applicable)</b>	Construction work is in progress as per earlier Environment Clearance
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	Sanction Plan received from Pimpri Chinchwad Municipal Corporation (PCMC) vide B.P./Tathavade/58/2018 Dated 05th November, 2018. We have applied for revised sanction plan to Pimpri Chinchwad Municipal Corporation (PCMC) .
<b>15.Total Plot Area (sq. m.)</b>	24,544 m2
<b>16.Deductions</b>	4,131 m2
<b>17.Net Plot area</b>	20,413 m2
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	a) FSI area (sq. m.): 37,079 m2 b) Non FSI area (sq. m.): 33,517m2 c) Total BUA area (sq. m.): 70596

  
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18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 24,626 m <sup>2</sup>
	Approved Non FSI area (sq. m.): We have applied for revised sanction plan to Pimpri Chinchwad Municipal Corporation (PCMC)
	Date of Approval: 05-11-2018
19.Total ground coverage (m <sup>2</sup> )	12,430 m <sup>2</sup>
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	61 % of total net plot area
21.Estimated cost of the project	1500000000

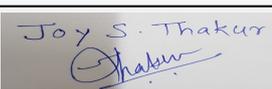
## 22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Wing A	Ground+Stilt+8 Floor	29.86
2	Wing B	Ground+Podium+12 Floor	41.74
3	Wing C	Ground+Podium+12 Floor	41.74
4	Wing D	Ground+Podium+12 Floor	41.74
5	Wing E	Ground+Podium+12 Floor	41.74
6	Wing F	Ground+Podium+12 Floor	41.74
7	Wing G	Ground+Stilt+13 Floor	44.96
8	Wing H	Ground+Stilt+13 Floor	44.96
9	Club House	G+1 Floor	7.80

23.Number of tenants and shops	No. of tenements: 515 nos. No. of shops: 36 nos.
24.Number of expected residents / users	1. Residential users- 2,575 nos. 2. Commercial users - 180 nos. Total population -2,755 nos.
25.Tenant density per hectare	252 tenants/ha
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	24 m wide DP Road and Internal Road - 9 m, 6 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Turning radius - 9 m
29.Existing structure (s) if any	Construction work is in progress of Wing A, C, D, E, F & Club House as per earlier Environment Clearance.
30.Details of the demolition with disposal (If applicable)	Not Applicable

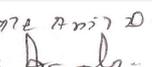
## 31.Production Details

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

  
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## 32.Total Water Requirement

<b>Dry season:</b>	<b>Source of water</b>	Pimpri Chinchwad Municipal Corporation (PCMC)
	<b>Fresh water (CMD):</b>	236
	<b>Recycled water - Flushing (CMD):</b>	120
	<b>Recycled water - Gardening (CMD):</b>	44
	<b>Swimming pool make up (Cum):</b>	3
	<b>Total Water Requirement (CMD) :</b>	356
	<b>Fire fighting - Underground water tank(CMD):</b>	As per Fire NOC
	<b>Fire fighting - Overhead water tank(CMD):</b>	As per Fire NOC
	<b>Excess treated water</b>	96
<b>Wet season:</b>	<b>Source of water</b>	Pimpri Chinchwad Municipal Corporation (PCMC)
	<b>Fresh water (CMD):</b>	236
	<b>Recycled water - Flushing (CMD):</b>	120
	<b>Recycled water - Gardening (CMD):</b>	22
	<b>Swimming pool make up (Cum):</b>	3
	<b>Total Water Requirement (CMD) :</b>	356
	<b>Fire fighting - Underground water tank(CMD):</b>	As per Fire NOC
	<b>Fire fighting - Overhead water tank(CMD):</b>	As per Fire NOC
	<b>Excess treated water</b>	118
<b>Details of Swimming pool (If any)</b>	1 No. of Swimming Pool having make up water requirement 2 m <sup>3</sup>	

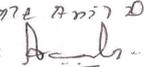
## 33.Details of Total water consumed

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

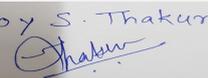
  
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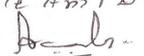
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<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	50 m below ground level
	<b>Size and no of RWH tank(s) and Quantity:</b>	NA
	<b>Location of the RWH tank(s):</b>	NA
	<b>Quantity of recharge pits:</b>	10 nos. of recharge pits
	<b>Size of recharge pits :</b>	2.0 m X 1.5 m X 1.5 m Depth
	<b>Budgetary allocation (Capital cost) :</b>	Rs.2,50,000 Lakh
	<b>Budgetary allocation (O &amp; M cost) :</b>	Rs.22,000/year
	<b>Details of UGT tanks if any :</b>	1. Domestic -353 m3 2. Flushing - 120 m3 3. Fire Fighting - As per Fire NOC
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	Along with internal road side and as per contour of the plot
	<b>Quantity of storm water:</b>	0.5 m3/sec
	<b>Size of SWD:</b>	600 mm x 500 mm, 450 mm x 450 mm
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	320 m3/day
	<b>STP technology:</b>	MBBR
	<b>Capacity of STP (CMD):</b>	3 nos. of STP having total capacity - 372 m3/day 1 no. x 210 m3/day 1 no. x 42 m3/day 1 no. x 120 m3/day
	<b>Location &amp; area of the STP:</b>	Location - On ground Total area of STP - 250 m2
	<b>Budgetary allocation (Capital cost):</b>	Rs.70,00,000
	<b>Budgetary allocation (O &amp; M cost):</b>	Rs.10,00,000/year
<b>36.Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	• Waste generation is 30,727 m3
	<b>Disposal of the construction waste debris:</b>	Top soil will be used for landscaping. The construction debris will be utilized at site for road paving and plinth filling.
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	794 kg/day
	<b>Wet waste:</b>	530 kg/day
	<b>Hazardous waste:</b>	Not applicable
	<b>Biomedical waste (If applicable):</b>	Not applicable
	<b>STP Sludge (Dry sludge):</b>	4 kg/day
	<b>Others if any:</b>	Inert waste-56 kg/day & E waste 3 kg/day

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<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Dry garbage will be segregated and will be handed over to recycler
	<b>Wet waste:</b>	Wet waste will be composted through Organic Waste Convertor and used as organic manure for landscaping.
	<b>Hazardous waste:</b>	Not applicable
	<b>Biomedical waste (If applicable):</b>	Not applicable
	<b>STP Sludge (Dry sludge):</b>	Dry sludge will be used as manure for landscaping
	<b>Others if any:</b>	Inert & E waste will be handed over to authorized vender
<b>Area requirement:</b>	<b>Location(s):</b>	On Ground
	<b>Area for the storage of waste &amp; other material:</b>	113 m <sup>2</sup>
	<b>Area for machinery:</b>	13 m <sup>2</sup>
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs.20,00,000
	<b>O &amp; M cost:</b>	Rs.1,50,000/year

### 37.Effluent Charecterestics

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

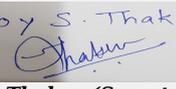
### 39.Stacks emission Details

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

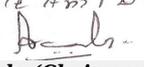
Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable

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>	2,301 m2
	<b>No of trees to be cut :</b>	NA
	<b>Number of trees to be planted :</b>	372 nos.
	<b>List of proposed native trees :</b>	Provided
	<b>Timeline for completion of plantation :</b>	3 Years

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

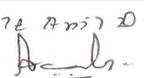
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Erythrina indica	Pangara	11	Deciduous flowering tree
2	Saraca indica	Sita Ashoka	18	Hardy evergreen tree, grows well in warm climate
3	Albezia lebbeck	Shirish	14	Medium evergreen tree providing shade
4	Casia fistula	Bahava	9	Spreading tree, dense foliage provides shades
5	Bauhinia variegata	Kanchan	9	Flowering plant
6	Murraya paniculata	Kunti	34	Evergreen native flowering tree
7	Cordia dichotama	Bhokar	12	Evergreen native fruiting tree
8	Lagerstromia indica	Tamhan	17	Official state tree. Flowering tree.
9	Azardirachta indica	Neem	45	Evergreen tree with Medicinal properties
10	Anthocephalus cadamba	Kadamb	15	Large evergreen tree providing shade
11	Pongamia pinnata	Karanj	20	Large evergreen tree providing shade
12	Plumeria alba	Chafa	54	Evergreen flowering tree with good fragrance
13	Nyctanthes arbortristis	Parijatak	14	Night flowering tree
14	Plumeria rubra	Red chafa	12	Flowering tree
15	Switenia mohagani	Mohgani	17	Large evergreen tree
16	Pterospermum	Muchkund	9	Large flowering tree
17	Terminalia catappa	Badam	6	Deciduous fruiting tree
18	Golden coconut	Cocconut	8	Fruiting tree
19	Barringtonia acutangula	Samudraphal	13	Tree species with medicinal value
20	Parkia bioglandulosa	Cheda Phali	6	Large shed giving tree
21	Couropita guianesis	Kailashpati	3	Ornamental deciduous tree
22	Manilkara zapota	Chikoo	5	Fruiting tree
23	Psidium guajava	Guava	8	Fruiting tree
24	Area catechu	Supari	13	Fruiting tree
25	Total	-	372	-

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

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

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

**47.Energy**

<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	100 kW
	<b>DG set as Power back-up during construction phase</b>	100 kVA
	<b>During Operation phase (Connected load):</b>	3000 kW
	<b>During Operation phase (Demand load):</b>	1500 kW
	<b>Transformer:</b>	630 kVA x 5 Nos.
	<b>DG set as Power back-up during operation phase:</b>	1 no. x 500 kVA 1 nos. x 62.5 kVA
	<b>Fuel used:</b>	Diesel
<b>Details of high tension line passing through the plot if any:</b>	Not applicable	

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

The following Energy Conservation Methods are proposed in the project:

1. Energy saving measures: Solar water heating system & LED.
2. Details calculation & % of saving: 20%

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

Serial Number	Energy Conservation Measures	Saving %
1	1. Use of solar water heating system 2. Use of LED Lights in common areas 3. Maximum use of daylight 4. Energy efficient pump and fixtures	20 %

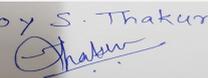
**50.Details of pollution control Systems**

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

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs.70,00,000
	<b>O &amp; M cost:</b>	Rs.22,000/year

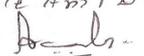
**51.Environmental Management plan Budgetary Allocation****a) Construction phase (with Break-up):**

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
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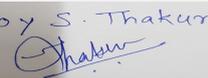
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1	Air Environment	Water spray for dust suppression	1
2	Socio- Economic Environment	Site sanitation, Toilets, STP, safe drinking water	2
3	-	Disinfection at site	0.3
4	-	Health check-up for workers, first aid kit	2
5	-	Safety net	0.5
6	Environment management	For Air, Noise, Water Analysis	3
7	-	Site fencing & noise barrier	0.7
8	-	Traffic management	1
9	-	Storm water management	1.5
10	-	Vehicle maintenance, washing area, tyre cleaning	1
11	-	Tree plantation & water utilization	1.5
12	Training and awareness	Safety personal protective equipment & Training programs	5
13	Total	-	19.5

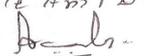
**b) Operation Phase (with Break-up):**

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	3 Nos. of STP having total capacity 372 m <sup>3</sup> /day	70	10
2	Storm water management	Construction and maintenance of storm water lines	8	0.50
3	Rain water Harvesting	10 nos. of recharge pits having size 2.0 m x 1.5 m x 1.5 m Depth	2.5	0.22
4	Solid Waste Management	Cost for Treatment of Biodegradable garbage in OWC	20	1.5
5	Landscape Development including tree plantation along with the plot boundary	RG Area, Tree plantation	18	1.8
6	Environmental Monitoring	Monitoring and analysis of Air, Water, Noise, Soil, Ground water, STP treated water etc.	MoEF Approved Lab	2.5
7	Energy conservation	Solar Energy	70	0.22
8	Fire Fighting System	Fire Extinguisher	22	3
9	Total	-	210.5	19.74

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

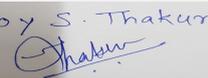
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

## 52.Any Other Information

No Information Available

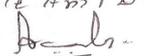
## 53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1 no. of the junctions
Parking details:	Number and area of basement:	NA
	Number and area of podia:	1 no. of podium having total area -11,752 m2
	Total Parking area:	16,782 m2
	Area per car:	30 m2
	Area per car:	30 m2
	Number of 2-Wheelers as approved by competent authority:	1,180 nos.
	Number of 4-Wheelers as approved by competent authority:	309 nos.
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	9 m and 6 m
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable
	Category as per schedule of EIA Notification sheet	8(a) B2 Category
	Court cases pending if any	NA

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	<b>Other Relevant Informations</b>	This project has received Environment Clearance from Government of Maharashtra vide file no. SEAC-2013/CR.284/TC.2 dated 16th January, 2016.
	<b>Have you previously submitted Application online on MOEF Website.</b>	No
	<b>Date of online submission</b>	-

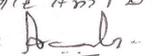
## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

### Brief information of the project by SEAC

PP has submitted his application for prior Environmental clearance for total plot area of 24544 m<sup>2</sup>, FSI area of 37079 m<sup>2</sup>, Non FSI area of 33517 m<sup>2</sup> and total BUA of 70596 m<sup>2</sup>.

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

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## DECISION OF SEAC

### During discussion following points emerged:

1. PP to obtain revised drainage NOC wherein treated effluent shall be allowed to dispose in drainage line instead of storm water drain.

SEAC decided to **recommend** the proposal for prior environmental Clearance, subject to PP complying with the above conditions.

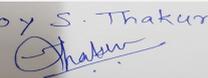
### Specific Conditions by SEAC:

- 1) PP to obtain revised drainage NOC wherein treated effluent shall be allowed to dispose in drainage line instead of storm water drain.

## FINAL RECOMMENDATION

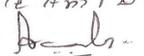
SEAC-III have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions

SEAC-AGENDA-0000000320

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SEAC-III)

## 93rd SEAC-3 Day 01

**SEAC Meeting number: 93 Meeting Date September 3, 2019**

**Subject:** Environment Clearance for Proposed Mixed Used Development

**Is a Violation Case:** No

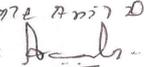
<b>1.Name of Project</b>	Proposed Mixed Used Development by Pinni-4 Co-op Housing Society ltd.& Sharad -1 Co - op Housing Society ltd. through Oxford Shelters Pvt.Ltd. & Hritik Technologies & Realty Pvt.Ltd.
<b>2.Type of institution</b>	Private
<b>3.Name of Project Proponent</b>	Mr. Prakash Bhojgude
<b>4.Name of Consultant</b>	M/s. Ultra-Tech (Environmental Consultancy & Laboratory) (NABET Accreditation - NABET/EIA/1720/RA0094 )
<b>5.Type of project</b>	Housing Project
<b>6.New project/expansion in existing project/modernization/diversification in existing project</b>	New Project
<b>7.If expansion/diversification, whether environmental clearance has been obtained for existing project</b>	Not applicable
<b>8.Location of the project</b>	S.No.9 to 14, Hissa No.1/33 & 1/34, Village - Mundhawa, Taluka- Pune City, District-Pune.
<b>9.Taluka</b>	Pune
<b>10.Village</b>	Mundhwa
<b>Correspondence Name:</b>	Mr. Prakash Bhojgude (Chief engineer )
<b>Room Number:</b>	Office No. 204
<b>Floor:</b>	1st
<b>Building Name:</b>	Kensington Court
<b>Road/Street Name:</b>	Lane no.5, North Main Road,
<b>Locality:</b>	Koregaon Park, Pune
<b>City:</b>	Pune
<b>11.Whether in Corporation / Municipal / other area</b>	Pune Municipal Corporation
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	Received <b>IOD/IOA/Concession/Plan Approval Number:</b> CC/0278/19 dated.14.05.2019 <b>Approved Built-up Area:</b> 72892.05
<b>13.Note on the initiated work (If applicable)</b>	Not Applicable
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	Not Applicable
<b>15.Total Plot Area (sq. m.)</b>	15800.00
<b>16.Deductions</b>	2693.34
<b>17.Net Plot area</b>	13106.66
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> 36036.83
	<b>b) Non FSI area (sq. m.):</b> 36855.22
	<b>c) Total BUA area (sq. m.):</b> 72892.05
<b>18 (b).Approved Built up area as per DCR</b>	<b>Approved FSI area (sq. m.):</b> 36036.83
	<b>Approved Non FSI area (sq. m.):</b> 36855.22
	<b>Date of Approval:</b> 14-05-2019
<b>19.Total ground coverage (m2)</b>	3741.91
<b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>	28.54%
<b>21.Estimated cost of the project</b>	2160000000

## 22.Number of buildings & its configuration

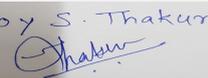
  
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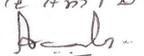
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**Signature:**   
**Shri. Anil Kale (Chairman  
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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)	
1	Tower 1	B1+B2+B3 + GP +21	66.65	
2	Tower 2	B1+B2+B3 + GP +21	66.65	
3	LIG Building	P+6	20.25	
4	Commercial	B1+B2+B3 +11	46.75	
<b>23.Number of tenants and shops</b>	Total tenements - 651 Nos. Residential- 621 Nos. LIG Building - 30 Nos. Commercial Units-46 Nos.			
<b>24.Number of expected residents / users</b>	Residential: 2493 Nos. LIG Building - 120 Nos & Commercial: 1275 Nos. Total Population - 3888 Nos			
<b>25.Tenant density per hectare</b>	250 tenant/hectare			
<b>26.Height of the building(s)</b>				
<b>27.Right of way (Width of the road from the nearest fire station to the proposed building(s))</b>	24.00 M wide.			
<b>28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation</b>	9.00m			
<b>29.Existing structure (s) if any</b>	Not Applicable			
<b>30.Details of the demolition with disposal (If applicable)</b>	Not Applicable			
<b>31.Production Details</b>				
Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable
<b>32.Total Water Requirement</b>				

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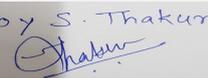
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**Name: K. Anil D.**  
  
**Signature: Shri. Anil Kale (Chairman SEAC-III)**

Dry season:	Source of water	Pune Municipal Corporation
	Fresh water (CMD):	271
	Recycled water - Flushing (CMD):	142
	Recycled water - Gardening (CMD):	14
	Swimming pool make up (Cum):	0.78 (Makeup water)
	Total Water Requirement (CMD) :	427
	Fire fighting - Underground water tank(CMD):	500
	Fire fighting - Overhead water tank(CMD):	70
	Excess treated water	237
Wet season:	Source of water	Pune Municipal Corporation
	Fresh water (CMD):	271
	Recycled water - Flushing (CMD):	142
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	0.78 (Makeup water)
	Total Water Requirement (CMD) :	413
	Fire fighting - Underground water tank(CMD):	500
	Fire fighting - Overhead water tank(CMD):	70
	Excess treated water	251
Details of Swimming pool (If any)	<p>Dimension of Swimming Pool: 16.38m L x 6.0m W Main Pool Depth: 1.20 M Pool Shape : Hexagon Total water Requirement in KLD: 95.00 KLD. Water requirement for make up in KLD: 0.78 KLD. Details of Plant &amp; Machinery used for treatment of Swimming pool water: High Rate sand Filter , HP Pump Details of quality to be achieved for swimming pool water and parameters to be monitored: pH - 7.2 - 7.6 ; Super-chlorination - at least 3.0/5.0 ppm (mg/1) Total alkalinity - 80 120 ppm , Calcium Hardness - 200 ppm Minimum, Total Dissolved Solids- less than 1500 ppm (mg/1) for pools Budgetary allocation (Capital cost): 30.0 Lacs  (O&amp;M cost): 1.80 Lacs/Annum</p>	

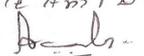
### 33.Details of Total water consumed

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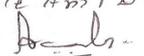
Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable								

<b>34. Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	Pre Monsoon - 12M to 15M. Post Monsoon- 5M to 6M
	<b>Size and no of RWH tank(s) and Quantity:</b>	Not Applicable
	<b>Location of the RWH tank(s):</b>	Not Applicable
	<b>Quantity of recharge pits:</b>	4 Nos.
	<b>Size of recharge pits :</b>	2.0mtX1.0mtX2.0mt
	<b>Budgetary allocation (Capital cost) :</b>	4.0 Lacs
	<b>Budgetary allocation (O &amp; M cost) :</b>	0.8 Lacs/Annum
<b>Details of UGT tanks if any :</b>	Residential: Domestic UG tank Capacity: 340CMD Flushing UG tank Capacity:115.00CMD Fire UG tank Capacity: 300 CMD Commercial: Domestic UG tank Capacity: 55 CMD Flushing UG tank Capacity: 25.00 CMD Fire UG tank Capacity: 200 CMD LIG Building : Domestic UG tank Capacity: 17CMD Flushing UG tank Capacity: 6.00 CMD Fire UG tank Capacity: NA	

<b>35. Storm water drainage</b>	<b>Natural water drainage pattern:</b>	North to South Direction as per Contour slope
	<b>Quantity of storm water:</b>	Before construction - 21.06 m3/day After Construction-22.92 m3/day
	<b>Size of SWD:</b>	600 mm

<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	Residential & LIG Building : 336 Commercial : 58 Total : 394 KLD
	<b>STP technology:</b>	MBBR
	<b>Capacity of STP (CMD):</b>	2 Nos. Residential & LIG Building : 336 KLD Commercial : 58 Total : 394 KLD
	<b>Location &amp; area of the STP:</b>	On Ground area - Residential & LIG Building Area - 202 .5 sq.mt. Commercial : Area - 63 sq.mt. Total -265.5 sq.mt
	<b>Budgetary allocation (Capital cost):</b>	40.00 Lakhs
	<b>Budgetary allocation (O &amp; M cost):</b>	8.00 Lakhs /Annum

### 36. Solid waste Management

 <b>Joy S. Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 93 Meeting Date: September 3, 2019</b>	<b>Page 75 of 118</b>	<b>Name: K 072 Anil D.</b>  <b>Signature: Shri. Anil Kale (Chairman SEAC-III)</b>
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<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	30-40 kg/day
	<b>Disposal of the construction waste debris:</b>	Top soil to be preserved & remaining will be used for back filling/Shifting to Adjoining our Project.
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	736 kg/day
	<b>Wet waste:</b>	961 kg/day
	<b>Hazardous waste:</b>	Not Applicable
	<b>Biomedical waste (If applicable):</b>	Not Applicable
	<b>STP Sludge (Dry sludge):</b>	30 kg/day
	<b>Others if any:</b>	E waste - 2582 kg/year (7.05 Kg /day)
<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Will be handed over to SWACH
	<b>Wet waste:</b>	Will be treated in OWC
	<b>Hazardous waste:</b>	Not Applicable
	<b>Biomedical waste (If applicable):</b>	Not Applicable
	<b>STP Sludge (Dry sludge):</b>	Will be used as Manure
	<b>Others if any:</b>	E-waste will be handed over to authorized recyclers (SWaCH)
<b>Area requirement:</b>	<b>Location(s):</b>	On ground
	<b>Area for the storage of waste &amp; other material:</b>	For Residential - 35.00 Sq.mt. for Commercial - 8.00 Sq.mt. Total - 43 Sq.mt.
	<b>Area for machinery:</b>	For Residential - 35.00 Sq.mt. for Commercial - 24.00 Sq.mt. Total - 59 Sq.mt.
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	37.0 Lakhs
	<b>O &amp; M cost:</b>	7.90 Lakhs/Annum

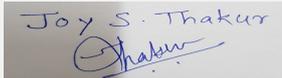
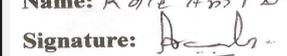
### 37. Effluent Characteristics

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						

### 39. Stacks emission Details

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

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

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

41.Source of Fuel Not applicable

42.Mode of Transportation of fuel to site Not applicable

<b>43.Green Belt Development</b>	<b>Total RG area :</b>	1541.96 Sq.mt.
	<b>No of trees to be cut :</b>	Not Applicable
	<b>Number of trees to be planted :</b>	166 Nos.
	<b>List of proposed native trees :</b>	17 Nos. Listed Below
	<b>Timeline for completion of plantation :</b>	6 Months

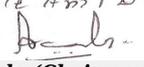
#### 44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Bauhenia purpurea	Kanchan purple	13	It is an excellent pioneer with its ease of establishment, rapid growth and hardiness. Roots, bark and flowers have medicinal values
2	Cassia fistula	Bahawa	10	It is an excellent fuel wood and yields excellent charcoal. Also used in the treatment of cancer, constipation, diarrhea
3	Spathoedeia campanulata	Pichkari	11	Bark, flowers and leaves used in traditional medicine. Wood used in fire resistant buildings
4	Erythrina indica	Pangara	20	They fix atmospheric nitrogen, have nutrient-rich leaves that make an excellent soil-enriching mulch. Leaves and bark used as cures, seeds have narcotic properties
5	Lagerstroemia speciosa	Jarul	06	The tree has a dense and wide spreading root system, which has made it useful in plantings for erosion control. Bark wood is usable for construction work, panelling etc.

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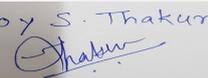
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6	Peltophorum pterocarpum	Yellow gulmohar	09	A fast-growing tree that fixes atmospheric nitrogen, it has potential use for reforestation and is used as a source of green manure. It has dense, spreading crown that provides shade
7	Bauhenia blakeana	Kanchan pink	13	It is an excellent pioneer with its ease of establishment, rapid growth and hardiness. Roots, bark and flowers have medicinal values
8	Michelia champaca	Son chapha	18	Soil under tree cover shows an increase in pH, soil organic carbon and available phosphorus.
9	Terminalia katappa	Wild badam	04	The trees vast root system binds together both sands and poor soils. It has a heavy leaf fall and so is a good provider of mulch for the protection of the soil.
10	Swietenia mahogany	Mahogany	05	Planted along boundaries for deep shade. The wood is durable
11	Plumeria alba	White chapha	05	Drought tolerant. Root skin and flower buds have medicinal values
12	Plumeria rubra	Red chapha	05	Drought tolerant. Root skin and flower buds have medicinal values
13	Millingtonia hortensis	Akashneem	22	Evergreen with fragrant flowers. Due to its shallow root system, it is good soil binder
14	Pongamia pinnata	Karanj	07	The plants develop a lateral network of roots for controlling soil erosion.
15	Albizia lebbek	Shishir	06	A fast-growing tree that fixes atmospheric nitrogen. Due to its shallow root system, it is good soil binder
16	Azadirachta indica	Neem	05	Beneficial to save environment from pollution. Keeps the oxygen level in atmosphere balanced
17	Artocarpus altilis	Breadfruit	07	Shade giving evergreen tree
18	Total Proposed Trees	-	166 Nos.	-
<b>45.Total quantity of plants on ground</b>				

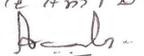
#### 46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	Crinum asiaticum	-	-
2	Heliconia psittacorum	-	-
3	Heliconia rostrata	-	-
4	Alpenia purpurea	-	-
5	Alpenia zerumbet	-	-
6	Hydechium coronarium	-	-
7	Tabernamontana coronaria	-	-
8	Nerium oleander	-	-
9	Ixora singaporensis	-	-
10	Allamanda nerifolia dwarf	-	-

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11	Stachytarphata indica	-	-
12	Jasminumsambac "madhubani"	-	-
13	Jasminumsambac "baramasi"	-	-
14	Pampas red	-	-
15	Hibiscus rosa-sinensis	-	-
16	Chrysalidocarpus lutescens	-	-
17	Bambusa vulgaris	-	-
18	Rhapis excelsa	-	-
19	Hamelia patens dwarf	-	-
20	Tabernamontana variegated dwarf	-	-
21	Plumbago capensis	-	-
22	Dracena mahatma	-	-
23	Gardenia jasminoides	-	-
24	Mussaenda erythrophylla	-	-

### 47. Energy

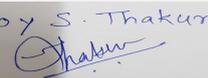
<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	20 kW
	<b>DG set as Power back-up during construction phase</b>	30 kVA
	<b>During Operation phase (Connected load):</b>	2965.87 kW
	<b>During Operation phase (Demand load):</b>	1506.22 kW
	<b>Transformer:</b>	630 kVA - 3 Nos.
	<b>DG set as Power back-up during operation phase:</b>	400 kVA, 200 kVA & 20 kVA - 1 nos.
	<b>Fuel used:</b>	HSD
	<b>Details of high tension line passing through the plot if any:</b>	Not Applicable

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

- Use of LED lamps & fittings for all common areas (Common areas, Roads, Passage, etc.)
- Solar Water Heater in Bathroom.
- Energy efficient appliances.
- Installing programmable on/off timers for External / Street Lighting.
- Solar POV Cells on each building for Common Area Lighting

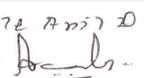
### 49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar Energy - Outdoor lightning/ street light	9.24 kWh (0.3%)

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2	Common Area LED Lights	76.3 kWh (2%)
3	Solar PV Cells	24.46 kWh (3.8%)
4	Solar Water heater	995.23 kWh (93.5%)
5	Total energy saving shall be achieved up-to	8.12% (Saving Again Total Demand Value)

### 50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
DG Set	-	400, 200 & 20 kVA - 1 Nos.
STP	-	Total 2Nos. - 336 KLD 1 No. & 58 KLD 1 No.
OWC	-	2 Nos.

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	51.32 Lakhs
	<b>O &amp; M cost:</b>	0.75 lakhs/ annum

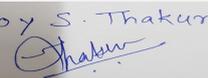
### 51.Environmental Management plan Budgetary Allocation

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

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air & Noise Environment	Water For Dust Suppression & Tree Plantation	5.0
2	Air & Noise Environment	Air & Noise monitoring	2.0
3	Water Environment	Tanker water for construction & worker	6.40
4	Water Environment	Water monitoring	0.05
5	Land Environment	Labour toilets 10 Nos. Cleaning 12,000 Rs./month	1.4
6	Biological Environment	Gardening & Excavation	3.3
7	Socio Environment	Disinfection at site	0.7
8	Socio Environment	Safety, First Aid, Health Hygiene Facilities	6.0
9	Socio Environment	Health Check Up	1.3
10	Socio Environment	Creches for children	2.2
11	Socio Environment	Personal Protective Equipment CFL lamps for labor hutments	2.0
12	Total	-	30.35

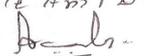
#### b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	2Nos. Residential - 336 KLD Commercial - 58 KLD	40	8.00
2	Rain Water Harvesting	4 Pits	4.00	0.8
3	Storm water & drainage line	Drainage line	0.75	-

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4	Basement Dewatering for Residential & Commercial	Dewatering	3.00	0.25
5	Environmental Monitoring	As per MoEF guidelines	-	2.00
6	Gardening	Plantation of native Plants	16.83	3.03
7	Solid waste	2 Nos.	37.0	7.90
8	Energy	Energy Saving measures	51.32	0.75
9	Swimming pool	1 No.	30	1.80
10	Total	-	182.9	24.53

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

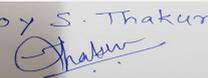
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 52.Any Other Information

No Information Available

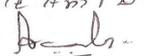
### 53.Traffic Management

	<b>Nos. of the junction to the main road &amp; design of confluence:</b>	Traffic generated from this project will confluent on 24m wide abutting road
<b>Parking details:</b>	<b>Number and area of basement:</b>	For Residential 3 Nos. of basement area - 15548.43 sq mt. For Commercial - 3 Nos. of Basement area - 3417.14 sq mt.
	<b>Number and area of podia:</b>	Not Applicable
	<b>Total Parking area:</b>	For Residential - 18888.18 sq mt , Commercial - 3417.14 sq mt
	<b>Area per car:</b>	Stilt/ground floor - 30 sq mt Basement - 35 sq mt Open parking - 25 sq mt per car
	<b>Area per car:</b>	Stilt/ground floor - 30 sq mt Basement - 35 sq mt Open parking - 25 sq mt per car
	<b>Number of 2-Wheelers as approved by competent authority:</b>	For Residential & LIG Building - 1409 Nos. For Commercial - 442 Nos. Total - 1851 Nos.
	<b>Number of 4-Wheelers as approved by competent authority:</b>	For Residential & LIG Building - 432 Nos. For Commercial - 166 Nos. Total - 598 Nos.
	<b>Public Transport:</b>	Bus
	<b>Width of all Internal roads (m):</b>	15

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 Joy S.Thakur (Secretary SEAC-III)

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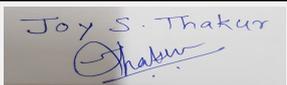
Name: K. Anil Kale  
  
 Shri. Anil Kale (Chairman SEAC-III)

	<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>	8a(B2)
	<b>Court cases pending if any</b>	Not Applicable
	<b>Other Relevant Informations</b>	It is new project for residential & commercial
	<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>	-
<b>Air Quality &amp; Noise Level issues</b>	-
<b>Energy Management</b>	-
<b>Traffic circulation system and risk assessment</b>	-
<b>Landscape Plan</b>	-
<b>Disaster management system and risk assessment</b>	-
<b>Socioeconomic impact assessment</b>	-
<b>Environmental Management Plan</b>	-
<b>Any other issues related to environmental sustainability</b>	-

### Brief information of the project by SEAC

 <b>Joy S.Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 93 Meeting Date: September 3, 2019</b>	<b>Page 82 of 118</b>	<b>Name: Kote Anil D.</b> <b>Signature: </b> <b>Shri. Anil Kale (Chairman SEAC-III)</b>
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PP has submitted his application for prior Environmental clearance for total plot area of 15800 m<sup>2</sup>, FSI area of 36036.83 m<sup>2</sup>, Non FSI area of 36855.22 m<sup>2</sup> and total BUA of 72892.05 m<sup>2</sup>.

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

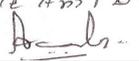
## DECISION OF SEAC

SEAC-AGENDA-0000000320

Joy S. Thakur  
  
Joy S. Thakur (Secretary  
SEAC-III)

SEAC Meeting No: 93 Meeting Date: September  
3, 2019

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Name: K. Anil Kale  
Signature:   
Shri. Anil Kale (Chairman  
SEAC-III)

### During discussion following points emerged:

1. In CER, PP has proposed (i) beautification of footpath, i.e. colouring of footpath and tree plantation (cost 50 Lakh), (ii) road development as per Corporation norms (cost 2 Cr), (iii) drinking water supply pipeline (39 Lakh). These activities are to be undertaken by Municipal Corporation. PP to replace these activities with some asset creation activities for surrounding area with details, i.e. location of activity and number. The activities may include providing solar energy to schools, ambulance to hospitals, erection of electric crematorium, RWH facility etc.
2. Fire tender movement plan between tower-1 and Tower-2 shall be revised such that the flats on the north and south of the 21 floor tower are approachable by fire tender. Both drive ways shall be increased to minimum 6 m and podium on top shall have minimum vertical clearance of 6 m. PP to submit cross sections at 4-5 places.
3. PP to submit approved plan for 3 basements.
4. PP to submit basement ventilation plan.
5. All drive ways in basement shall be minimum 5 m wide and no dependent parking shall be provided.
6. Commercial parking plan to be completely separated from residential parking with separate ramp for 2 wheelers and cars.
7. PP to submit parking statement showing total number of parking required and proposed as per DCR / Town Planning norms with adequate area per car as per norms.
8. PP to submit debris management plan including (a) debris required for refilling, (b) contour plan, (c) details of site where excess debris will be disposed, capacity of the site and NOC of plot owner. PP shall also ensure that debris disposed on other plot shall not be disposed on another plot. If to be disposed on another plot, the same shall be carried out as per prevailing environmental laws.
9. PP to submit master layout superimposing all environmental parameters.
10. PP to submit indemnity bond indemnifying Environment Department, GoM from any legal consequences.
11. PP to submit details of STP.
12. PP to obtain and submit following NOC's: (a) CFO NOC, (b) Water supply with quantity, (c) Garden NOC.

PP requested for time to submit the information sought; after deliberations committee asked PP to **comply** with the observations and submit information to the committee for further discussion and consideration of SEAC.

### Specific Conditions by SEAC:

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## FINAL RECOMMENDATION

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

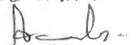
SEAC-AGENDA-00000000320

Joy S. Thakur  


Joy S. Thakur (Secretary  
SEAC-III)

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Name: K 072 Anil D.  
Signature: 

**Shri. Anil Kale (Chairman  
SEAC-III)**

## 93rd SEAC-3 Day 01

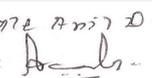
**SEAC Meeting number: 93 Meeting Date September 3, 2019**

**Subject:** Environment Clearance for Proposed Residential project by Kumar Agro Products Pvt Ltd-Kumar Company JV at S.No.238(P), 239(P), 240(P) & 241(P), Hadapsar, Pune, Maharashtra

**Is a Violation Case:** No

1.Name of Project	Residential Project
2.Type of institution	Private
3.Name of Project Proponent	Kumar Agro Products Pvt. Ltd. - Kumar Company JV
4.Name of Consultant	Sneha Hitech Products
5.Type of project	Housing Project (Residential Project)
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes
8.Location of the project	S. no. 238(P), 239(P), 240(P), & 241(P), Village Hadapsar, Tal Haveli, Dist Pune
9.Taluka	Haveli
10.Village	Hadapsar
Correspondence Name:	Kumar Agro Products Pvt. Ltd. - Kumar Company JV
Room Number:	-
Floor:	1st floor
Building Name:	Kumar Capital
Road/Street Name:	2413, East Street
Locality:	Camp
City:	Pune
11.Whether in Corporation / Municipal / other area	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Received
	<b>IOD/IOA/Concession/Plan Approval Number:</b> Sanction layout no. CC/0257/A, D.P.O/Zone no. 1 dated 10/05/2019
	<b>Approved Built-up Area:</b> 118733.87
13.Note on the initiated work (If applicable)	A1 & A2 buildings are under construction as per EC received from PMRDA BHA/Village Hadapsar/Tal Haveli/Dist Pune/S. no. 238 & others/Prakaran No. 733/16-17 dated 26/10/2017
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	79100 sq. m
16.Deductions	11865 sq. m
17.Net Plot area	67235 sq. m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 70129.28 sq. m.
	b) Non FSI area (sq. m.): 48604.59 sq. m.
	c) Total BUA area (sq. m.): 118733.87
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 70129.28 sq. m.
	Approved Non FSI area (sq. m.): 48604.59 sq. m.
	Date of Approval: 10-05-2019
19.Total ground coverage (m2)	23,341.84 sq. m
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	66%
21.Estimated cost of the project	2907716168

## 22.Number of buildings & its configuration

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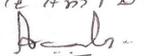
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	2 buildings	B + S + 19	60
2	6 buildings	B + S + 22	69
3	Club House	G+1	9.6
4	Parking structure	G+1	7.0

23.Number of tenants and shops	Tenants: 680 nos.
24.Number of expected residents / users	Residential population: 3400 nos.
25.Tenant density per hectare	192 tenants/Ha
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	12 m & 15 m wide road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	NA
30.Details of the demolition with disposal (If applicable)	NA

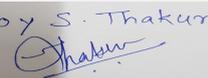
### 31.Production Details

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

### 32.Total Water Requirement

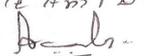
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Dry season:	Source of water	PMC/Treated water from STP							
	Fresh water (CMD):	306							
	Recycled water - Flushing (CMD):	153							
	Recycled water - Gardening (CMD):	41							
	Swimming pool make up (Cum):	20							
	Total Water Requirement (CMD) :	500							
	Fire fighting - Underground water tank(CMD):	300							
	Fire fighting - Overhead water tank(CMD):	80							
	Excess treated water	207							
Wet season:	Source of water	PMC/Treated water from STP							
	Fresh water (CMD):	306							
	Recycled water - Flushing (CMD):	153							
	Recycled water - Gardening (CMD):	-							
	Swimming pool make up (Cum):	20							
	Total Water Requirement (CMD) :	459							
	Fire fighting - Underground water tank(CMD):	300							
	Fire fighting - Overhead water tank(CMD):	80							
	Excess treated water	248							
Details of Swimming pool (If any)	Swimming pool details: Size: 41 m x 14 x 1.2 m One time requirement: 688.80 m <sup>3</sup> Per day water requirement: 20 m <sup>3</sup> /day								
<b>33.Details of Total water consumed</b>									
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
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

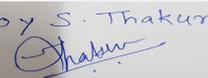
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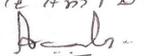
Name: K. Anil Kale  
  
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<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	8 to 9 m
	<b>Size and no of RWH tank(s) and Quantity:</b>	NA
	<b>Location of the RWH tank(s):</b>	NA
	<b>Quantity of recharge pits:</b>	12 nos.
	<b>Size of recharge pits :</b>	1.2 m x 1.2 m x 2.5 m depth
	<b>Budgetary allocation (Capital cost) :</b>	Rs. 24 Lakhs/-
	<b>Budgetary allocation (O &amp; M cost) :</b>	Rs. 0.72 lakhs/annum
	<b>Details of UGT tanks if any :</b>	Domestic: 331 m3 Drinking: 128 m3 Fire: 300 m3
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	As per contour slope
	<b>Quantity of storm water:</b>	0.55 cum/sec
	<b>Size of SWD:</b>	450 mm x 300 mm
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	413 cum/day
	<b>STP technology:</b>	MBBR
	<b>Capacity of STP (CMD):</b>	1 STP of 420 cum/day
	<b>Location &amp; area of the STP:</b>	Location: On ground, Area: 210 sq.m.
	<b>Budgetary allocation (Capital cost):</b>	Rs. 123.69 lakhs
	<b>Budgetary allocation (O &amp; M cost):</b>	Rs. 18.55 lakhs/annum
<b>36.Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	Empty cement bags, steel, sand, packaging material, Aggregates
	<b>Disposal of the construction waste debris:</b>	Excavated earth material will be used for filling of plinth area
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	680 kg/day
	<b>Wet waste:</b>	1020 kg/day
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	21 kg/day
	<b>Others if any:</b>	E-waste: 1700 kg/year

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<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Handed over to agency for further handling & disposal
	<b>Wet waste:</b>	Through Mechanical Composter (Smart OWC)
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	Used as manure for gardening purpose or will be disposed off as per CPHEEO manual on sewerage
	<b>Others if any:</b>	Handed over to authorized recycler for further handling & disposal purpose
<b>Area requirement:</b>	<b>Location(s):</b>	Ground
	<b>Area for the storage of waste &amp; other material:</b>	20 sq.m.
	<b>Area for machinery:</b>	65 sq.m.
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs. 29.75 lakhs
	<b>O &amp; M cost:</b>	Rs. 7.5 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						

### 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

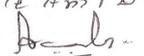
Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable

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>	6863.72 sq.m.
	<b>No of trees to be cut :</b>	0
	<b>Number of trees to be planted :</b>	450 nos.
	<b>List of proposed native trees :</b>	As below
	<b>Timeline for completion of plantation :</b>	6 month after project completion

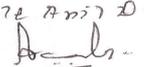
#### 44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Bauhinia blakeana	Hong kong Orchid Tree	19	Medium sized tree with pink flower, medicinal value
2	Bucida molineti	Spiny Black Olive	26	Medium sized tree
3	Brassia actinophylla	Umbrella tree	28	shady tree,The leaves, stem and roots are used in herbal preparations.
4	Cassia fistula	Golden shower tree	17	Almost every part of this tree is useful and its bark, fruits and flowers have been used for medicinal purpose.
5	Erythrina glauca	Coral Tree	18	Medium sized tree , medicinal value
6	Michelia champaca	Champa	17	Rich in medicinal properties is used in several ayurvedic preparations
7	Plumeria obtusa	Champa White	14	evergreen tree is mainly grown for its strongly fragrant white flowers
8	Samanea saman	Rain Tree	16	Large & shady tree
9	Tabebuia argentea	Golden Bell	22	Medium sized,with yellow flowers
10	--	--	--	--
11	Caryota mitis	Clustering Fishtail Palm	12	Large sized Evergreen,Ornamental tree
12	Chrysalidocarpus lutescens	golden cane palm	18	Medium- large sized tree
13	Licuala grandis	Grosse Licuala Palm	15	tall shade tree
14	Livistona chinensis	Chinese Fan Palm	18	evergreen, fan-leaved, solitary-stemmed palm tree
15	Phoenix sylvestris	Assamese	19	Large sized Evergreen tree
16	Rhapis excelsa	Bamboo Palm	15	Medium- large sized tree
17	Roystonea regia	royal palm	17	Medium- large sized , Ornamental tree
18	Washingtonia robusta	Mexican Fan Palm	24	Large sized Evergreen tree
19	Wodyetia bifurcata	Foxtail Palm	16	Large sized Evergreen tree & Easy for maintenance
20	Carcia papaya	Papaya	19	Medium sized,Fruit bearing tree
21	Piper nigrum	Black paper	28	Medium sized tree , medicinal value

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22	Ficus lyrata	fiddle-leaf fig	32	Air-purifying Tree
23	Areca catechu	areca palm	14	absorb harmful pollutants from indoor air and provide fresh air
24	Azardiracta Indica	Neem	26	Large sized Evergreen 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>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	116.25 KVA
	<b>DG set as Power back-up during construction phase</b>	1 no. of 125 KVA
	<b>During Operation phase (Connected load):</b>	5064 KW
	<b>During Operation phase (Demand load):</b>	2630 KVA
	<b>Transformer:</b>	5 nos. x 630 KVA
	<b>DG set as Power back-up during operation phase:</b>	1 no. x 200 KVA, 1 no. x 160 KVA & 1 no. x 140 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 LED fixtures  
Loss Transformer  
Solar Water Heater  
Solar PV cell  
Automatic Timer logic controller for lighting Control  
VFD for Lift

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

Serial Number	Energy Conservation Measures	Saving %
1	Total Energy Saving in Project	18.29 %

**50.Details of pollution control Systems**

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

  
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<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs. 134.79 lakhs
	<b>O &amp; M cost:</b>	Rs. 3.53 lakhs/annum

## 51.Environmental Management plan Budgetary Allocation

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

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air environment	Water For Dust Suppression , Air & Noise Monitoring	2.0
2	Water	Tanker Water For Construction, Water Monitoring	3.0
3	Land	Site Sanitation	1.50
4	Socio-Economic	Disinfection- Pest Control, First Aid Facilities, Health Check Up, Personal Protective Equipment	5.0
5	Environmental Monitoring	Air, Water, Noise & DG Stack	2.0

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

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP	To treat the sewage	123.69	18.55
2	Rain Water Harvesting	To harvest the rain water	24.0	0.72
3	Solid Waste Management	To treat the wet waste	29.75	7.50
4	Landscape	Tree plantation	44.92	1.80
5	Energy	For adoption of energy saving measures	134.79	3.53
6	Environmental Monitoring	For monitoring of environmental components Air, Water, soil, noise etc.	-	3.0

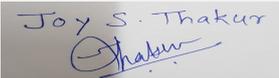
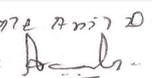
## 51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)

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

### 52.Any Other Information

No Information Available

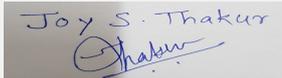
### 53.Traffic Management

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	<b>Nos. of the junction to the main road &amp; design of confluence:</b>	1 no.
<b>Parking details:</b>	<b>Number and area of basement:</b>	1 no and 21513.29 sq.m.
	<b>Number and area of podia:</b>	NA
	<b>Total Parking area:</b>	12200 sq.m.
	<b>Area per car:</b>	12.5 sq.m.
	<b>Area per car:</b>	12.5 sq.m.
	<b>Number of 2-Wheelers as approved by competent authority:</b>	-
	<b>Number of 4-Wheelers as approved by competent authority:</b>	976 nos.
	<b>Public Transport:</b>	Available
	<b>Width of all Internal roads (m):</b>	6 m
	<b>CRZ/ RRZ clearance obtain, if any:</b>	NA
	<b>Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries</b>	NA
	<b>Category as per schedule of EIA Notification sheet</b>	8 (a), B2
	<b>Court cases pending if any</b>	No
	<b>Other Relevant Informations</b>	-
	<b>Have you previously submitted Application online on MOEF Website.</b>	No
	<b>Date of online submission</b>	-

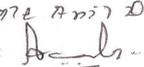
## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

<b>Environmental Impacts of the project</b>	Satisfactory.
<b>Water Budget</b>	Satisfactory.
<b>Waste Water Treatment</b>	Satisfactory.
<b>Drainage pattern of the project</b>	Satisfactory.

  
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<b>Ground water parameters</b>	Satisfactory.
<b>Solid Waste Management</b>	Satisfactory.
<b>Air Quality &amp; Noise Level issues</b>	Satisfactory.
<b>Energy Management</b>	Satisfactory.
<b>Traffic circulation system and risk assessment</b>	Satisfactory.
<b>Landscape Plan</b>	Satisfactory.
<b>Disaster management system and risk assessment</b>	Satisfactory.
<b>Socioeconomic impact assessment</b>	Satisfactory.
<b>Environmental Management Plan</b>	Satisfactory.
<b>Any other issues related to environmental sustainability</b>	Satisfactory.

### Brief information of the project by SEAC

PP has submitted his application for prior Environmental clearance for total plot area of 79100 m<sup>2</sup>, FSI area of 70129.28 m<sup>2</sup>, Non FSI area of 48604.59 m<sup>2</sup> and total BUA of 118733.87 m<sup>2</sup>.

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

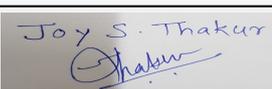
### DECISION OF SEAC

SEAC decided to **recommend** the proposal for prior environmental Clearance.

**Specific Conditions by SEAC:**

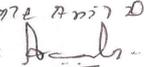
### FINAL RECOMMENDATION

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

  
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**Name:** K. Anil Kale  
**Signature:**   
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## 93rd SEAC-3 Day 01

**SEAC Meeting number: 93 Meeting Date September 3, 2019**

**Subject:** Environment Clearance for Expansion in Environmental Clearance - Mixed Use Development at S. NO.9 to 14 Hissa No. 1/37, 1/38, 1/39, 1/40, 1/41, 1/42, 1/43, 1/44, 1/45 and 1/46, Mundhawa, Pune City, Pune, Maharashtra by Pune projects LLP through Pinni 3 Co-Operative Housing Society Ltd. And Sharad 2 Co-Operative Housing Society Ltd.

**Is a Violation Case:** No

<b>1.Name of Project</b>	Mixed Use Development by Pune projects LLP through Pinni 3 Co-Operative Housing Society Ltd. And Sharad 2 Co-Operative Housing Society Ltd.
<b>2.Type of institution</b>	Private
<b>3.Name of Project Proponent</b>	Mr. Roshan Menda Vice President - Pune projects LLP through Pinni 3 Co-Operative Housing Society Ltd. And Sharad 2 Co-Operative Housing Society Ltd.
<b>4.Name of Consultant</b>	Ultra-Tech (Environmental Consultancy & Laboratory) - NABET/EIA/1720/RA0094
<b>5.Type of project</b>	Mixed Use Development
<b>6.New project/expansion in existing project/modernization/diversification in existing project</b>	Expansion in existing project
<b>7.If expansion/diversification, whether environmental clearance has been obtained for existing project</b>	Yes EC has been granted from SEIAA, Environment Department having file no. SEAC-III-2015/CR-82/TC-3 dated 3rd December 2016
<b>8.Location of the project</b>	S. NO.9 to 14 Hissa No. 1/37, 1/38, 1/39, 1/40, 1/41, 1/42, 1/43, 1/44, 1/45 and 1/46, Mundhawa, Pune City, Pune, Maharashtra
<b>9.Taluka</b>	-
<b>10.Village</b>	Mundhawa
<b>Correspondence Name:</b>	Mr. Roshan Menda - Vice President
<b>Room Number:</b>	501
<b>Floor:</b>	-
<b>Building Name:</b>	Pune project LLP, Kesington court, S. G. Pingale Lane,
<b>Road/Street Name:</b>	Off North Main road
<b>Locality:</b>	Koregaon Park, Pune 411001
<b>City:</b>	Pune
<b>11.Whether in Corporation / Municipal / other area</b>	Pune Municipal Corporation
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	Commencement Certificate <b>IOD/IOA/Concession/Plan Approval Number:</b> 3433 <b>Approved Built-up Area:</b> 289680.90
<b>13.Note on the initiated work (If applicable)</b>	Started the construction activity as per received the Environmental Clearance and construction completed on site is about area 58724.08 m2
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	NA
<b>15.Total Plot Area (sq. m.)</b>	79,000.00 m2
<b>16.Deductions</b>	12,727.21 m2
<b>17.Net Plot area</b>	66,272.79 m2
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> 1,19,887.78
	<b>b) Non FSI area (sq. m.):</b> 1,23,998.88
	<b>c) Total BUA area (sq. m.):</b> 243886.66
<b>18 (b).Approved Built up area as per DCR</b>	<b>Approved FSI area (sq. m.):</b> 1,65,681.97
	<b>Approved Non FSI area (sq. m.):</b> 1,23,998.88
	<b>Date of Approval:</b> 17-02-2016
<b>19.Total ground coverage (m2)</b>	33,972.78
<b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>	43
<b>21.Estimated cost of the project</b>	3937500000

  
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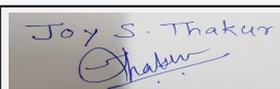
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**Signature:**   
**Shri. Anil Kale (Chairman SEAC-III)**

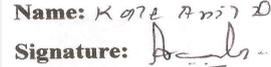
## 22. Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building 1 : (As per EC : P1+G+10 and building height 40m)	P1+GR+21 Typical Floors	72.00
2	Building 2 : (As per EC : P1+P2+P3+24 and building height 82.45 m)	P1+P2+P3+21 Typical Floors	73.30
3	Building 3 : (As per EC : P1+P2+P3+24 and building height 82.45 m)	P1+P2+P3+21 Typical Floors	73.30
4	Building 4 : (As per EC : P1+P2+P3+21 and building height 73.45 m)	P1+P2+P3+21 Typical Floors	73.55
5	Building 5 : (As per EC : P1+P2+P3+21 and building height 73.45 m)	P1+P2+P3+21 Typical Floors	73.55
6	Building 6 : (AS per EC : P1+P2+P3+21 and building height 73.45 m)	P1+P2+P3+21 Typical Floors	73.45
7	Building 7 : (AS per EC : P1+P2+P3+21 and building height 73.45 m)	P1+P2+P3+21 Typical Floors	73.55
8	Building 8 : (AS per EC : P2+P3+20 and building height 66.85m)	P2+P3+20 Typical Floors	66.80
9	Building 9 : (AS per EC : P2+P3+22 and building height 72.85 m)	P2+P3+22 Typical Floors	72.85
10	Building 10 : (AS per EC : P2+P3+22 and building height 72.85 m)	P2+P3+28 Typical Floors	92.60
11	Building 11 : (AS per EC : P2+P3+24 and building height 78.85 m)	P2+P3+28 Typical Floors	92.60
12	Building 12 : (AS per EC : P2+P3+24 and building height 78.85 m)	P1+P2+P3+28 Typical Floors	92.60
13	Building 13 : (AS per EC : P1+P2+P3+24 and building height 78.85 m)	P1+P2+P3+28 Typical Floors	92.60
14	Club House	G+1st floor	7.50
<b>23. Number of tenants and shops</b>	Tenements - 1725 no. Shops - 30 no.		
<b>24. Number of expected residents / users</b>	Residential - 8625 no. and Commercial - 378 no. and Total population will be 9003 no.		
<b>25. Tenant density per hectare</b>	250		
<b>26. Height of the building(s)</b>			

  
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27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	30m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	Yes, we have started construction activity as per received the EC from Env. Department
30.Details of the demolition with disposal (If applicable)	NA

### 31.Production Details

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

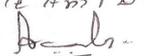
### 32.Total Water Requirement

Dry season:	Source of water	Grampanchayat Keshavnagar
	Fresh water (CMD):	800
	Recycled water - Flushing (CMD):	386
	Recycled water - Gardening (CMD):	53
	Swimming pool make up (Cum):	16
	Total Water Requirement (CMD):	1239
	Fire fighting - Underground water tank(CMD):	500
	Fire fighting - Overhead water tank(CMD):	20KL
	Excess treated water	456

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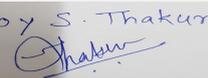
Wet season:	Source of water	Grampanchayat Keshavnagar
	Fresh water (CMD):	800
	Recycled water - Flushing (CMD):	386
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	16
	Total Water Requirement (CMD) :	1186
	Fire fighting - Underground water tank(CMD):	500
	Fire fighting - Overhead water tank(CMD):	20KL
	Excess treated water	508

Details of Swimming pool (If any) we will submit

### 33.Details of Total water consumed

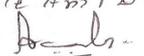
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

34.Rain Water Harvesting (RWH)	Level of the Ground water table:	6m below EGL
	Size and no of RWH tank(s) and Quantity:	1 no. and capacity 100kL
	Location of the RWH tank(s):	Ground level
	Quantity of recharge pits:	20 no
	Size of recharge pits :	3 m x 4 m
	Budgetary allocation (Capital cost) :	Rs.33 Lakh
	Budgetary allocation (O & M cost) :	Rs.2.5 Lakh
Details of UGT tanks if any :	Residential: Domestic UG tank Capacity: :8,00,450 ltrs Flushing UG tank Capacity: 4,39,000 ltrs Fire UG tank Capacity: 5,00,000 ltrs	

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<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	THROUGH PIPE CHAMBERS
	<b>Quantity of storm water:</b>	90 m3 / hr
	<b>Size of SWD:</b>	600 MM PIPE

<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	994
	<b>STP technology:</b>	MBBR
	<b>Capacity of STP (CMD):</b>	1 No. of STP Capacity having capacity of 1000
	<b>Location &amp; area of the STP:</b>	Besides Amenity Open Space and area will be provided : 845 m2
	<b>Budgetary allocation (Capital cost):</b>	Rs.90 Lakh
	<b>Budgetary allocation (O &amp; M cost):</b>	Rs.12 Lakh

### 36.Solid waste Management

<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	Excavated - 69516.61 m3 and Top soil of 14408 m3
	<b>Disposal of the construction waste debris:</b>	Top soil is used for landscaping

<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	2259 kg/day
	<b>Wet waste:</b>	1506 kg/day
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	6.22 kg/day approx.
	<b>Others if any:</b>	E-waste : 12.85 kg/day

<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Will be handed over to SWACH
	<b>Wet waste:</b>	Will be treated in OWC
	<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>	E-waste : Handover to Authorized dealer

<b>Area requirement:</b>	<b>Location(s):</b>	Eastern corner of the plot
	<b>Area for the storage of waste &amp; other material:</b>	259.64 m2
	<b>Area for machinery:</b>	59.2 m2

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs.30.5
	<b>O &amp; M cost:</b>	Rs.3 Lakh

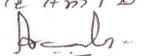
### 37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
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1	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						

### 39.Stacks emission Details

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

### 40.Details of Fuel to be used

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

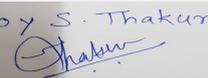
41.Source of Fuel Not applicable

42.Mode of Transportation of fuel to site Not applicable

<b>43.Green Belt Development</b>	<b>Total RG area :</b>	R1 -7,800 m2, R2 - 955.73 m2 and Total RG area on Ground - 8,755.73 m2
	<b>No of trees to be cut :</b>	26 no.
	<b>Number of trees to be planted :</b>	850 no.
	<b>List of proposed native trees :</b>	24
	<b>Timeline for completion of plantation :</b>	Till the completion of the project

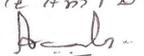
### 44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	CASSIA GRANDIS	PINK SHOWER	32	SHADY DECIDUOUS TREE WITH PINK FLOWER
2	NEOLAMARKIA CADAMBA	KADAMBA	34	EVERGREEN TROPICAL TREE, ORANGE FLOWER

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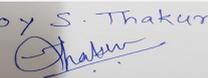
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3	MICHELIA CHAMPAKA	CHEMPAK	56	SHADY MEDIUM SIZED EVERGREEN TREE
4	STERCULIA VILLOSA	HAIRY STERCULIA	48	SHADY DECIDUOUS TREE WITH YELLOW FLOWER
5	MIMUSOPES ELENHII	BAKUL	68	SHADY TREE, SMALL WHITE FLOWERS
6	MILLINGTONIA HORTENSIS	CORK TREE	31	EVERGREEN TREE, WITH FRAGRANT FLOWERS
7	TECOMA GAUDICHAUDI	GAUDICHAUDI	21	BUSH TREE WITH YELLOW FLOWERS
8	PLUMERIA ALBA	WHITE FRANGIPANI	55	SMALL TREE WITH WHITE FLOWERS
9	PONGAMIA PINNATA	INDIAN BEECH	49	SHADY TREE WITH WIDE CANOPY
10	FICUS RETUSA	GREEN GEM	40	SHADY TREE, GOOD FOR ROAD SIDE PLANTING
11	ARTOCARPUS HETEROPHYLLUS	JACK FRUIT	19	SHADY TREE WITH EDIBLE FRUIT
12	AZDIRACHTA INDICA	NEEM TREE	30	LARGE TREE, GOOD FOR ROAD SIDE PLANTING
13	PSIDIUM GUAVA	GUAVA	30	FRUIT BEARING, MEDIUM SIZE TREE, HELPS IN POLLINATION
14	BAUHINIA PURPUREA	BAUHINIA	26	BUSH TREE WITH PINK FRAGRANT FLOWERS
15	CASSIA FISTULA	GOLDEN SHOWER	69	MEDIUM SIZE DECIDUOUS TREE, YELLOW FLOWERS
16	SYZYGIUM CUMINI	JAMUN	28	EVERGREEN TROPICAL TREE WITH OBLONG OPPOSITE LEAVES THAT ARE SMOOTH, GLOSSY AND HAVING A TURPENTINE SMELL
17	GMELINA ARBOREA	GAMHAR	31	SHADY AVENUE TREES
18	MANGIFERA INDICA	MANGO TREE	22	SHADY TREE WITH EDIBLE FRUIT
19	PHYLLANTHUS EMBLICA	GOOSEBERRY	24	BUSH TREE WITH EDIBLE FRUIT
20	ANTHOCEPHALLUS CADAMBA	KADAM	33	SHADY, LARGE DECIDUOUS TREE, FAST GROWING
21	LEGERSTROEMIA FLOSREGINEAE	PRIDE OF INDIA	26	STATE FLOWER TREE OF, MAHARASHTRA MEDIUM SIZE TREE
22	MURRAYA PANICULATA	KATTUKARIYILAIA	29	COLOURFUL TREES WITH RED FLOWERS
23	BUTEA MONOSPERMA	FLAME TREE	21	BUSH TREE WITH WHITE FLOWER
24	MANIKARA ZAPOTA	CHIKOO	28	FRUIT BEARING TREE
25	-	Total	850	-
<b>45.Total quantity of plants on ground</b>				

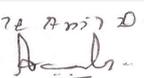
#### 46.Number and list of shrubs and bushes species to be planted in the podium RG:

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

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## 47. Energy

<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	176 KW
	<b>DG set as Power back-up during construction phase</b>	250 KVA
	<b>During Operation phase (Connected load):</b>	14892.01 kW
	<b>During Operation phase (Demand load):</b>	5499.09 kVA
	<b>Transformer:</b>	6Nos., 1000 kVA
	<b>DG set as Power back-up during operation phase:</b>	6 Nos. 500kVA
	<b>Fuel used:</b>	as per acquirement
	<b>Details of high tension line passing through the plot if any:</b>	NA

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

Total energy saving shall be achieved up-to 10.37 %

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

Serial Number	Energy Conservation Measures	Saving %
1	We will submit	-

### 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.420.88 Lakh
	<b>O &amp; M cost:</b>	Rs.77.43

## 51. Environmental Management plan Budgetary Allocation

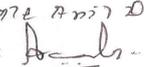
### a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air & Noise :	Water For Dust Suppression	1.2
2	Air & Noise :	Air & Noise monitoring	0.48
3	Water	Tanker water for construction & worker	1.00
4	Water	Water monitoring	0.6

  
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5	Land	Labour toilets 100 Nos. Cleaning -12,000 Rs./month	1.4
6	Biological	Gardening & Excavation	17.00
7	Socio	Disinfection at site	1.7
8	Socio	Safety, First Aid, Health Hygiene Facilities	2.0
9	Socio	Creches for children	5.3
10	Socio	Personal Protective Equipment CFL lamps for labor hutments	0.05

**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 Cost	1 Nos.x 1000 KLD	90.00	12.00
2	Rain Water Harvesting	20 Pits	33.00	2.5
3	Storm water drainage	Drainage Line	25.00	3.0
4	Environmental Monitoring	As per MoEF guidelines	-	0.80
5	Gardening	Plantation of native Plants	150.00	15.00
6	Solid waste	1 Nos. of OWC	30.5	3.00
7	Energy	Transformers 6Nos X 1000kVA DG Set - 6 Nos. 500kVA	420.88	77.43
8	DMP Costing	-	3609.64	82.04
9	Swimming pool	-	50.00	5.0

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

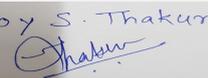
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

**52.Any Other Information**

No Information Available

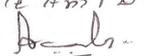
**53.Traffic Management**

Nos. of the junction to the main road & design of confluence:	Traffic generated from this project will confluent on 12 m wide abutting road
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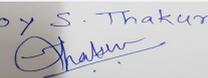
*Joy S. Thakur*  
  
**Joy S.Thakur (Secretary SEAC-III)**

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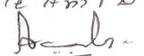
**Name:** *Kale Anil D.*  
**Signature:**   
**Shri. Anil Kale (Chairman SEAC-III)**

<b>Parking details:</b>	<b>Number and area of basement:</b>	NA
	<b>Number and area of podia:</b>	3 Nos. of Podium - 78981.70 m <sup>2</sup>
	<b>Total Parking area:</b>	78981.70 m <sup>2</sup>
	<b>Area per car:</b>	as per DCR
	<b>Area per car:</b>	as per DCR
	<b>Number of 2-Wheelers as approved by competent authority:</b>	2W - 3359 no. and Cycle 2833 no.
	<b>Number of 4-Wheelers as approved by competent authority:</b>	4W - 1499 no.
	<b>Public Transport:</b>	-
	<b>Width of all Internal roads (m):</b>	12 m
	<b>CRZ/ RRZ clearance obtain, if any:</b>	NA
	<b>Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries</b>	NA
	<b>Category as per schedule of EIA Notification sheet</b>	8b (B1)
	<b>Court cases pending if any</b>	NA
	<b>Other Relevant Informations</b>	We have received the EC from SEIAA Maharashtra for the total built up area 2,00,128.53 m <sup>2</sup> . Now we are applying for the Expansion in the project
	<b>Have you previously submitted Application online on MOEF Website.</b>	No
	<b>Date of online submission</b>	-
<b>SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS</b>		
<b>Environmental Impacts of the project</b>	-	
<b>Water Budget</b>	-	
<b>Waste Water Treatment</b>	-	
<b>Drainage pattern of the project</b>	-	
<b>Ground water parameters</b>	-	

Joy S. Thakur  
  
**Joy S. Thakur (Secretary SEAC-III)**

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**Name:** K. Anil Kale  
**Signature:**   
**Shri. Anil Kale (Chairman SEAC-III)**

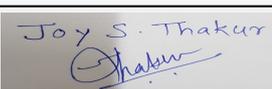
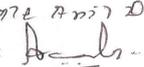
<b>Solid Waste Management</b>	-
<b>Air Quality &amp; Noise Level issues</b>	-
<b>Energy Management</b>	-
<b>Traffic circulation system and risk assessment</b>	-
<b>Landscape Plan</b>	-
<b>Disaster management system and risk assessment</b>	-
<b>Socioeconomic impact assessment</b>	-
<b>Environmental Management Plan</b>	-
<b>Any other issues related to environmental sustainability</b>	-

### Brief information of the project by SEAC

PP has submitted his application for prior Environmental clearance for total plot area of 79000 m<sup>2</sup>, FSI area of 1,19,887.78 m<sup>2</sup>, Non FSI area of 1,23,998.88 m<sup>2</sup> and total BUA of 243886.66 m<sup>2</sup>.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B1.

### DECISION OF SEAC

 <b>Joy S.Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 93 Meeting Date: September 3, 2019</b>	<b>Page 106 of 118</b>	<b>Name: K. Anil Kale</b>  <b>Signature: Shri. Anil Kale (Chairman SEAC-III)</b>
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Committee informed PP to use model TOR available on the web site of MoEF&CC in addition to the points mentioned below for carrying out EIA studies:

**Additional terms of Reference for carrying out EIA studies**

**1. Project Description**

1. Project description, its importance and the benefits.
2. Project site details (location, topo-sheet of the study area of 10 Km, Coordinates, google map, layout map, land use, geological features and geo-hydrological status of the study area, drainage). Hydro-geological survey report with graphs & data.
3. Land use as per the approved Master Plan of the area, Permission/approvals required from the land owning agencies, Development Authorities, Local Body, Water supply & Sewerage Board, etc.
4. Land acquisition status, R & R details.
5. Forest and Wildlife and eco-sensitive zones, if any in the study area of 10 km. Any sensitive areas in impact zone such as archaeological structures, reserved forest, noise sensitive zones etc. Clearances required under the Forest (Conservation) Act, 1980, the Wildlife (Protection) Act, 1972 and/or the Environment (Protection) Act, 1986.
6. (G) High Tension wires if any on the plot.
7. (G) Plan showing HFL.
8. (G) Permissions granted by State Government in tabular and chronological form. Comparative statement of components approved and components constructed as per earlier EC (if applicable) and proposed development.
9. (G) PP to submit the detailed master plan indicating already completed construction and proposed construction. PP to submit the certificate from architect for completed work.

**2. Base Line Data**

10. (B) Baseline environmental study for ambient air (PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>, NO<sub>x</sub> & CO), water (both surface and ground), noise and soil as per MoEF&CC/CPCB guidelines at minimum 5 locations in the study area of 10 km, The collection and analysis of data shall be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1986, or an environmental laboratory duly notified under the Environment (Protection) Act, 1986, or an environmental laboratory accredited by NABL, or a laboratory of a Council of Scientific and Industrial Research (CSIR) institution working in the field of environment.
11. (C) Detail on flora and fauna and socio-economic aspects in the study area. Details of tree cutting, tree transplantation and survival report of existing trees.
12. (C) Likely impact of the project on the environmental parameters (ambient air surface and ground water, land, flora and fauna and socio-economic, etc.)
13. (B) Source of water for different identified purposes with the permissions required from the concerned authorities, both for surface water and the ground water (by CGWA) as the case may be, Rain water harvesting, etc.
14. (G) Socio-economic infrastructure details including public transport arrangements on the site; PP to mention details of socio-economic in EIA.
15. (G) PP to submit contour map with slopes, drainage pattern of the site and surrounding area. Layout showing natural water courses on site; total runoff calculation before and after development.
16. (C) PP to submit details of existing trees, proposed to be cut, proposed to be transplanted along with tree survival report

**3. Traffic Impact Study in detail including:**

17. (V) Traffic Management Plan for the development - Internal circulation indicating road width and turning radius. Cross section of roads at four places showing clear road width, distance left from building line, spaces left for plantation, footpath, service lines etc.
18. (V) Traffic Volume Counts and Turning Movement Counts on all the external surrounding roads of the proposed project showing the time period taken.
19. (V) Topographic details of roads and intersection of the surrounding roads where counts are taken, actual geometry on ground to be shown with dimensions.
20. (V) Traffic generation values of similar development to be given by actual count by actual count as support data for assumption made to the particular project.
21. (V) Parking statement mentioning parking as per DCR & parking provided actually.
22. (V) Basement ventilation plan: Fire Tender Movement Plan showing clear road and turning radius. Cross section of roads at four places including UGT, OWC and DG set location showing clear road width and distance left from building line & spaces left for plantation, parking, service lines, foot paths, etc.

**4. Environmental Impact and Management Plan:**

23. (B) Identify sources of air pollution, indicate mitigation measures to reduce Air pollution/Noise pollution.
24. (G) Debris management plan including (a) debris required for refilling, (b) contour plan, (c) details of site where excess debris will be disposed, capacity of the site and NOC of plot owner. PP shall also ensure that debris disposed on other plot shall not be disposed on another plot. If to be disposed on another plot, the same shall be carried out as per prevailing environmental laws.
25. (B) Management of solid waste and the construction & demolition waste for the project vis-a-vis the Solid Waste Management Rules 2016 and the Construction & Demolition Rules, 2016. Transport, collection, storage and disposal for all types of wastes like hazardous waste, non-hazardous waste, solid waste, E- waste, and debris/excess earth etc. PP to provide the detailed solid waste management plan along with marked locations on the master plan. Design details of waste processing equipment such as OWC/biogas plants confirming to the technical requirements to meet the quality products.
26. (B) Waste water management (treatment, reuse and disposal) for the project and also the study area. Design of all STP's along with BOD load, oxygen requirement calculations and sizing of the tanks with respect to the design criteria. PP to submit detailed calculation for the disinfection of the treated STP water; PP to submit cross sectional drawing of STP's showing dimensions and ground level; PP to provide ozonation for tertiary treatment. PP to mark the area required for all STP's on master layout with dimensions
27. (J) PP to show internal storm water drain and sewer line arrangements up to final disposal point.
28. (C) Provision of mandatory RG area on virgin land and submit the drawing with calculations, ensuring entire mandatory RG is provided on the plot where residential buildings are proposed.
29. (G) A detailed phase wise development plan with safety planning where occupancy has been given.
30. (T) If any site specific structures such as creation of water body, alteration of natural storm water, large alteration of slopes, creation of green areas abutting to water bodies / natural storm water drain / river etc, is involved, detailed environmental protection approach for the same shall be provided.
31. (D) Separate chapter on Renewable energy in EIA report. PP to submit terrace plan for installing solar panels& calculations of energy saving; Energy efficient measures (LED lights, solar power, etc.) during construction as well as during operational phase of the project. Report on ECBC compliance.
32. (D) Provide details of Solar PV and Solar water heater in the specific format. PP to carryout shadow analysis for identifying the roof-top area for providing solar panels
33. (B) Environmental status report including analysis reports of all environmental pollution reduction facilities if any commissioned.
34. (K) PP to submit Disaster management plan.
35. (B) Preparation of site specific, executable and auditable environment management plan (EMP)

**5. Environmental Modelling and additional Studies:**

36. (B) Fugitive dust modelling by using local meteorological data.
37. (B) Ecological footprint calculation using LCA approach.
38. (B) Estimation of Carbon footprint of the project.
39. (B) Gate mass balance analysis for environmental parameters related to solid/liquid waste material coming to site, waste generated and its treatment and disposal from site.

**6. NOCs, Undertakings and CER:**

40. (T) NOC's required: a) CFO NOC, b)Water supply NOC with quantity, c) Drainage NOC, d) Non-biodegradable waste disposal.
41. (T) Undertaking to provide DG set backup to all Pollution Control Devices, Water Supply, Emergency Services including emergency lifts, etc.
42. (K) PP to submit details of CER activities in consultation with the affected people in the project area as per MoEF&CC circular dt. 01.05.2018, along with details of fund utilization & agreement or consent of executor.

\*\*\*\*\*

Specific Conditions by SEAC:

Joy S. Thakur  
Thakur

**Joy S.Thakur (Secretary  
SEAC-III)**

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3, 2019**

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**Name: K 072 Anil D.**  
**Signature: Anil D.**  
**Shri. Anil Kale (Chairman  
SEAC-III)**

## FINAL RECOMMENDATION

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

SEAC-AGENDA-00000000320

Joy S. Thakur  


Joy S.Thakur (Secretary  
SEAC-III)

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Name: K 072 Anil D.  
Signature: 

**Shri. Anil Kale (Chairman  
SEAC-III)**

## 93rd SEAC-3 Day 01

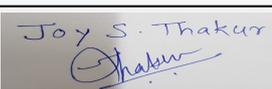
**SEAC Meeting number: 93 Meeting Date September 3, 2019**

**Subject:** Environment Clearance for Proposed Residential project by Prakruti Constructions Pvt Ltd at F.P.no. 105, S. no. 343/2, Tadiwala Road, Sangamwadi, Pune, Maharashtra

**Is a Violation Case:** No

<b>1.Name of Project</b>	Residential Project
<b>2.Type of institution</b>	Private
<b>3.Name of Project Proponent</b>	Prakruti Constructions Pvt. Ltd.
<b>4.Name of Consultant</b>	Sneha Hi-Tech Products
<b>5.Type of project</b>	Residential and Commercial project
<b>6.New project/expansion in existing project/modernization/diversification in existing project</b>	Expansion in existing
<b>7.If expansion/diversification, whether environmental clearance has been obtained for existing project</b>	No
<b>8.Location of the project</b>	F.P.no. 105, S. no. 343/2, Tadiwala Road
<b>9.Taluka</b>	Haveli
<b>10.Village</b>	Sangamwadi
<b>Correspondence Name:</b>	Prakruti Constructions Pvt. Ltd.
<b>Room Number:</b>	--
<b>Floor:</b>	1st floor
<b>Building Name:</b>	Kumar Capital
<b>Road/Street Name:</b>	2413, East Street
<b>Locality:</b>	Camp
<b>City:</b>	Pune
<b>11.Whether in Corporation / Municipal / other area</b>	Pune Municipal Corporation
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	Received
	<b>IOD/IOA/Concession/Plan Approval Number:</b> Sanctioned layout no. CC/4056/18 D.P.O/ Zone no. 4 dated 27/03/2019
	<b>Approved Built-up Area:</b> 25389.07
<b>13.Note on the initiated work (If applicable)</b>	Four Buildings and a club house having built up area : 18630 Sqm have been completed based on plans sanctioned in 2002 & 2005.
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	NA
<b>15.Total Plot Area (sq. m.)</b>	12943.86 sq. m.
<b>16.Deductions</b>	0
<b>17.Net Plot area</b>	12943.86 sq. m.
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> 16540.30 sq. m.
	<b>b) Non FSI area (sq. m.):</b> 8848.77 sq. m.
	<b>c) Total BUA area (sq. m.):</b> 25389.07
<b>18 (b).Approved Built up area as per DCR</b>	<b>Approved FSI area (sq. m.):</b> 16540.30 sq. m.
	<b>Approved Non FSI area (sq. m.):</b> 8848.77 sq. m.
	<b>Date of Approval:</b> 27-03-2019
<b>19.Total ground coverage (m2)</b>	3238.65 sq. m.
<b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>	25%
<b>21.Estimated cost of the project</b>	397603129

## 22.Number of buildings & its configuration

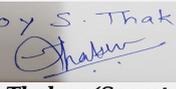
  
**Joy S.Thakur (Secretary SEAC-III)**

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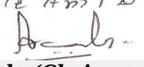
**Name:** K. Anil Kale  
**Signature:**   
**Shri. Anil Kale (Chairman SEAC-III)**

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)	
1	3 Buildings	P + 8	27.21	
2	1 Building	P + 9	28.25	
3	2 Buildings	P + 7	24.00	
4	Club house	G + 1	--	
<b>23.Number of tenants and shops</b>	282 nos. of tenants & 30 nos. of shops			
<b>24.Number of expected residents / users</b>	1644 nos.			
<b>25.Tenant density per hectare</b>	218/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>	9.15			
<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>	NA			
<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>				

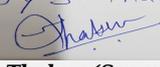
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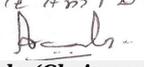
**Name: K. Anil Kale**  
  
**Signature: Shri. Anil Kale (Chairman SEAC-III)**

Dry season:	Source of water	PMC / Treated water from STP							
	Fresh water (CMD):	182							
	Recycled water - Flushing (CMD):	19 m3/day							
	Recycled water - Gardening (CMD):	7 m3/day							
	Swimming pool make up (Cum):	6 m3/day							
	Total Water Requirement (CMD) :	208m3/day							
	Fire fighting - Underground water tank(CMD):	300 m3							
	Fire fighting - Overhead water tank(CMD):	120 m3							
	Excess treated water	23 m3/day							
Wet season:	Source of water	PMC / Treated water from STP							
	Fresh water (CMD):	182							
	Recycled water - Flushing (CMD):	19 m3/day							
	Recycled water - Gardening (CMD):	0							
	Swimming pool make up (Cum):	6 m3/day							
	Total Water Requirement (CMD) :	201m3/day							
	Fire fighting - Underground water tank(CMD):	300 m3							
	Fire fighting - Overhead water tank(CMD):	120 m3							
	Excess treated water	30 m3/day							
Details of Swimming pool (If any)	Area- 247.86 sq.m.								
<b>33.Details of Total water consumed</b>									
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

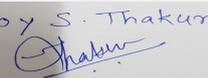
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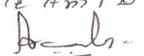
Name: K. Anil Kale  
  
 Shri. Anil Kale (Chairman SEAC-III)

<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	Post Monsoon 4 to 6 m BGL & pre monsoon 12 to 15 m BGL
	<b>Size and no of RWH tank(s) and Quantity:</b>	NA
	<b>Location of the RWH tank(s):</b>	NA
	<b>Quantity of recharge pits:</b>	4 Nos
	<b>Size of recharge pits :</b>	2 m x 1 m x 2 m
	<b>Budgetary allocation (Capital cost) :</b>	5 Lakh
	<b>Budgetary allocation (O &amp; M cost) :</b>	0.75 Lakh/year
	<b>Details of UGT tanks if any :</b>	Drinking 58.00 CuM Domestic - 207.00 CuM Fire- 300.00 CuM
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	Towards North-West
	<b>Quantity of storm water:</b>	0.22 m <sup>3</sup> /sec
	<b>Size of SWD:</b>	450 mm x 300 mm
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	181 KLD
	<b>STP technology:</b>	MBBR
	<b>Capacity of STP (CMD):</b>	1 no. with capacity of 55 KLD
	<b>Location &amp; area of the STP:</b>	Location is as per master layout and area is 40 sq. m.
	<b>Budgetary allocation (Capital cost):</b>	22.40 Lakh
	<b>Budgetary allocation (O &amp; M cost):</b>	7.80 Lakh/year
<b>36.Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	Empty cement bags, steel, sand, packaging material, Aggregates
	<b>Disposal of the construction waste debris:</b>	Excavated earth material will be used for filling of plinth area
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	317kg/day
	<b>Wet waste:</b>	446kg/day
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	8 kg/day
	<b>Others if any:</b>	E- waste 939kg/year

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Name: K. Anil Kale  
  
 Signature: Shri. Anil Kale (Chairman  
 SEAC-III)

<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Handed over to agency for further handling & disposal
	<b>Wet waste:</b>	Through Mechanical Composter (Smart OWC)
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	To be used as manure for gardening purpose or will be disposed off as per CPHEEO manual on sewerage
	<b>Others if any:</b>	E Waste-Handed over to authorized recycler for further handling & disposal purpose
<b>Area requirement:</b>	<b>Location(s):</b>	Locations are as per master layout
	<b>Area for the storage of waste &amp; other material:</b>	12 sq. m.
	<b>Area for machinery:</b>	36 sq. m.
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	14.75 lakh
	<b>O &amp; M cost:</b>	2.80 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						

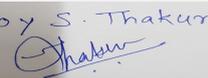
### 39. Stacks emission Details

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

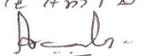
Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable

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

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**Joy S. Thakur (Secretary SEAC-III)**

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**Name: K. Anil Kale**  
  
**Signature: Shri. Anil Kale (Chairman SEAC-III)**

<b>43.Green Belt Development</b>	<b>Total RG area :</b>	1294.38 sq. m.
	<b>No of trees to be cut :</b>	0
	<b>Number of trees to be planted :</b>	170 nos.
	<b>List of proposed native trees :</b>	Provided
	<b>Timeline for completion of plantation :</b>	6 month after Project Completion

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

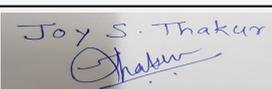
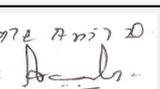
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Syzygium cumini	Jamun	5	Large sized tree,Fruite bearing
2	Caryota urens	Fish Tail Palm	18	Tall evergreen tree
3	Saracasa ashoka	Sita Ashoka	15	Shady trees with yellow flowers
4	Mangifera Indica	Mango	15	Shady trees, Fruite bearing
5	Roystonea regia	royal palm	15	Medium- large sized , Ornamental tree
6	Azardirecta Indica	Neem	13	Large sized Evergreen tree
7	Ficus religiosa	Peepal Tree	2	Large sized Evergreen tree have medicinal value
8	Dalbbergia sisoo	Shisav	24	Medicinal value, Bird attracting Species
9	Manilkara zapota	Chiku	5	Medium sized Fruit Bearing Tree
10	Annona squaosa	Sitafal	8	Medium sized Fruit Bearing Tree
11	Ailanthus excelsa	Maharukh	9	Large tree, good for roadside plantation
12	Anthosaphalus kadamba	Kadamb	16	Shady, large tree, ball shaped flowers.
13	Erythrina indica	Pangara	18	Medium sized deciduous tree. Bright scarlet flowers.
14	Tamarindus indica	Leguminous tree	7	Large sized tree,Fruite bearing

#### 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>Joy S.Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 93 Meeting Date: September 3, 2019</b>	<b>Page 114 of 118</b>	<b>Name: K. Anil Kale</b>  <b>Signature: Shri. Anil Kale (Chairman SEAC-III)</b>
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<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	116 kVA
	<b>DG set as Power back-up during construction phase</b>	125 kVA
	<b>During Operation phase (Connected load):</b>	1565 KW
	<b>During Operation phase (Demand load):</b>	790 kVA
	<b>Transformer:</b>	630 kva X 2 nos.
	<b>DG set as Power back-up during operation phase:</b>	1 no. x 140 kVA & 1 no. x 125 kVA
	<b>Fuel used:</b>	HSD
	<b>Details of high tension line passing through the plot if any:</b>	NA

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

LED fixtures  
 Low Loss Transformer  
 Solar Water Heater  
 Solar PV cell  
 Automatic Timer logic controller  
 VFD for Lift

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

Serial Number	Energy Conservation Measures	Saving %
1	Total Energy Saving in Project by Energy saving measures	9.98%

#### 50. Details of pollution control Systems

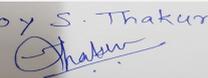
Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	52.36 Lakh
	<b>O &amp; M cost:</b>	1.30 Lakh/year

### 51. Environmental Management plan Budgetary Allocation

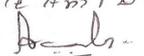
#### a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water For Dust Suppression , Air & Noise Monitoring	2.00
2	Water	Tanker Water For Construction, Water Monitoring	2.50

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3	Land	Site Sanitation	1.50
4	Socio-Economic	Control, First Aid Facilities, Health Check Up, Personal Protective Equipment	4.00
5	Environmental Monitoring	Air, Water, Noise & DG Stack	2.00

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

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP	STP cost considered	22.40	7.80
2	Rain Water Harvesting	No. of pits	5	0.75
3	Solid Waste Management	To assure proper disposal of Dry and Wet Waste, 1 no OWC will be provided	14.75	2.80
4	Landscape	Plantation & gardening	10	1.80
5	Energy	With all said energy saving measures like solar panels and solar water heaters	52.36	1.30
6	Environmental Monitoring	"Ambient Air quality, Noise level, Exhaust from DG Set, drinking water, sewage from STP as per EP act,	-	2.50

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

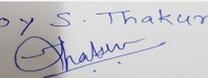
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

**52.Any Other Information**

No Information Available

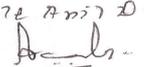
**53.Traffic Management**

Nos. of the junction to the main road & design of confluence:	1 junction
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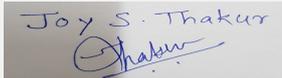
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Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	1888 sq. m.
	Area per car:	12.50 sq. m.
	Area per car:	12.50 sq. m.
	Number of 2-Wheelers as approved by competent authority:	--
	Number of 4-Wheelers as approved by competent authority:	151 nos.
	Public Transport:	Available
	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	No
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

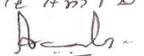
## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

  
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<b>Air Quality &amp; Noise Level issues</b>	Satisfactory.
<b>Energy Management</b>	Satisfactory.
<b>Traffic circulation system and risk assessment</b>	Satisfactory.
<b>Landscape Plan</b>	Satisfactory.
<b>Disaster management system and risk assessment</b>	Satisfactory.
<b>Socioeconomic impact assessment</b>	Satisfactory.
<b>Environmental Management Plan</b>	Satisfactory.
<b>Any other issues related to environmental sustainability</b>	Satisfactory.

### Brief information of the project by SEAC

PP has submitted his application for prior Environmental clearance for total plot area of 12943.86 m<sup>2</sup>, FSI area of 16540.30 m<sup>2</sup>, Non FSI area of 8848.77 m<sup>2</sup> and total BUA of 25389.07 m<sup>2</sup>.

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

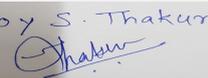
### DECISION OF SEAC

SEAC decided to **recommend** the proposal for prior environmental Clearance.

**Specific Conditions by SEAC:**

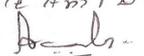
### FINAL RECOMMENDATION

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

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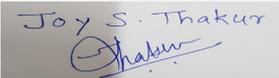
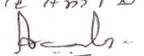
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**Signature:**   
**Shri. Anil Kale (Chairman SEAC-III)**

**93rd SEAC-3 Day 02****SEAC Meeting number: 93 Meeting Date September 4, 2019****Subject:** Environment Clearance for Application for environmental Clearance for expansion of residential cum commercial construction project Ganga Newtown**Is a Violation Case:** No

<b>1.Name of Project</b>	Ganga Newtown ( Previously Known as Ganga Haven)
<b>2.Type of institution</b>	Private
<b>3.Name of Project Proponent</b>	Shree Balaji Associates
<b>4.Name of Consultant</b>	Pollution and Ecology Control Services
<b>5.Type of project</b>	Housing Project
<b>6.New project/expansion in existing project/modernization/diversification in existing project</b>	Expansion in the existing project
<b>7.If expansion/diversification, whether environmental clearance has been obtained for existing project</b>	Previous EC vide no. SEAC -2012/CR-51/TC-3 dated 29th September 2014
<b>8.Location of the project</b>	S. No. 12/1,12/2+3,12/4/29 Dhanori, Haveli, Pune
<b>9.Taluka</b>	Haveli
<b>10.Village</b>	Dhanori
<b>Correspondence Name:</b>	Mr. Annuj Goel
<b>Room Number:</b>	0
<b>Floor:</b>	Ground floor
<b>Building Name:</b>	San Mahu Complex
<b>Road/Street Name:</b>	Poona Club Road
<b>Locality:</b>	Camp
<b>City:</b>	Pune
<b>11.Whether in Corporation / Municipal / other area</b>	Pune Municipal Corporation
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	In process <b>IOD/IOA/Concession/Plan Approval Number:</b> <b>Approved Built-up Area:</b>
<b>13.Note on the initiated work (If applicable)</b>	A1, A2 and A3 building in process
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	NA
<b>15.Total Plot Area (sq. m.)</b>	54975
<b>16.Deductions</b>	17631.12
<b>17.Net Plot area</b>	37343.88
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	a) FSI area (sq. m.): 90202.30 b) Non FSI area (sq. m.): 58785.94 c) Total BUA area (sq. m.): 148988
<b>18 (b).Approved Built up area as per DCR</b>	Approved FSI area (sq. m.): 60172.77 Approved Non FSI area (sq. m.): 58236.53 Date of Approval: 15-12-2016
<b>19.Total ground coverage (m2)</b>	8071.14
<b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>	25
<b>21.Estimated cost of the project</b>	2004633000

**22.Number of buildings & its configuration**

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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A1 (1)	P+ stilt +11	37.45
2	A2 (1)	P +stilt + 11	37.45
3	A3 (1)	P + stilt + 11	37.45
4	B1 (1)	B2 + B1 + P + 12	37.40
5	B2 (1)	B2 + B1 + P + 12	37.40
6	B3 (1)	B2 + B1 + P + 12	37.40
7	C1 (1)	B2 + B1 + P + 12	37.40
8	C2 (1)	B2 + B1 + P + 12	37.40
9	C3 (1)	B2 + B1 + P + 12	37.40
10	D1 (1)	B2 + B1 + P + 12	37.40
11	D2(1)	B2 + B1 + P + 12	37.40
12	D3(1)	B2 + B1 + P + 12	37.40
13	E1(1)	B2 + B1 + P + 8	26.00
14	E2 (1)	B2 + B1 + P + 7	23.15
15	E3 (1)	B2 + B1 + P + 8	26.00
16	F1 (1) Commercial	B2 + B1 + G+ 3	13.80
17	Club house (1)	G +1	7.77

<b>23.Number of tenants and shops</b>	1127 tenements , 8 shops and 13 offices
<b>24.Number of expected residents / users</b>	Residential : 5635 Commercial: 717
<b>25.Tenant density per hectare</b>	250 Tenements/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>	60 m
<b>28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation</b>	9
<b>29.Existing structure (s) if any</b>	A1, A2,A3 building
<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

  
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**Shri. Anil Kale (Chairman SEAC-III)**

## 32.Total Water Requirement

<b>Dry season:</b>	Source of water	PMC
	Fresh water (CMD):	521
	Recycled water - Flushing (CMD):	317
	Recycled water - Gardening (CMD):	45
	Swimming pool make up (Cum):	0
	<b>Total Water Requirement (CMD) :</b>	883
	Fire fighting - Underground water tank(CMD):	50 kl /wing
	Fire fighting - Overhead water tank(CMD):	25/bldg
	Excess treated water	443
<b>Wet season:</b>	Source of water	PMC
	Fresh water (CMD):	521
	Recycled water - Flushing (CMD):	317
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	<b>Total Water Requirement (CMD) :</b>	838
	Fire fighting - Underground water tank(CMD):	50 KL/wing
	Fire fighting - Overhead water tank(CMD):	25/bldg
	Excess treated water	488
<b>Details of Swimming pool (If any)</b>	Dimensions 3 m x 3 m	

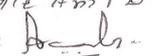
## 33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable	542	542	Not applicable	54	54	Not applicable	488	488

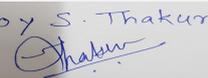
  
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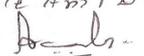
**Name: K. Anil Kale**  
  
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<b>34. Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	Summer Season - 23.33 m. to 30.00 m. BGL. (26.67 M. Average) Rainy Season - 8.00 m. to 11.67 BGL. (9.84 M. Average) Winter Season - 15.67 m. to 20.84 m. BGL. ( 18.26 M. Average)
	<b>Size and no of RWH tank(s) and Quantity:</b>	NA
	<b>Location of the RWH tank(s):</b>	NA
	<b>Quantity of recharge pits:</b>	14 (3 No. Existing & 11 Nos. New)
	<b>Size of recharge pits :</b>	: 2.50 m. X 2.50 m. X 2.00 m. Depth with 60 m. Deep 6" Dia. Bore Well via 2 No. of de-siltation pits of 0.9 m. Dia. 1.0 m. Depth.
	<b>Budgetary allocation (Capital cost) :</b>	20 lakhs
	<b>Budgetary allocation (O &amp; M cost) :</b>	1 /- lakhs p.a.
	<b>Details of UGT tanks if any :</b>	Domestic : 860 KL Fire fighting : 500 KL
<b>35. Storm water drainage</b>	<b>Natural water drainage pattern:</b>	As per contour
	<b>Quantity of storm water:</b>	22,525.46 m <sup>3</sup> / Year i.e. 450.51 m <sup>3</sup> / Day
	<b>Size of SWD:</b>	600 mm
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	742
	<b>STP technology:</b>	MBBR
	<b>Capacity of STP (CMD):</b>	4 No. STP I: 150 KLD STP II: 400 KLD, STP III: 215 KLD, STP IV: 30
	<b>Location &amp; area of the STP:</b>	As per layout
	<b>Budgetary allocation (Capital cost):</b>	180.46 /- lakhs
	<b>Budgetary allocation (O &amp; M cost):</b>	43.22/- lakhs pa
<b>36. Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	1% of raw material
	<b>Disposal of the construction waste debris:</b>	As filling material on same site
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	1302 kg/day
	<b>Wet waste:</b>	1778 kg/day
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	84 kg/day
	<b>Others if any:</b>	E waste ; 1500 Kg/Year

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<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Through authorized vendor
	<b>Wet waste:</b>	Organic waste convertor
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	Organic waste convertor
	<b>Others if any:</b>	E waste: Through authorized vendor
<b>Area requirement:</b>	<b>Location(s):</b>	As per layout
	<b>Area for the storage of waste &amp; other material:</b>	74
	<b>Area for machinery:</b>	50
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	35
	<b>O &amp; M cost:</b>	5

### 37. Effluent Characteristics

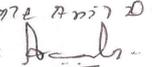
Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	Not applicable	6.5 - 8.5	6.5 - 7.5	Not applicable
2	COD	mg/l	300-400	<30	Not to exceed 100 mg/l
3	BOD	mg/l	250-300	<10	Not to exceed 10 mg/l
4	SS	mg/l	350-450	<5	Not exceed 50 mg/l
5	O & G	mg/l	10	<5	Not applicable
6	TDS	mg/l	--	<1000	Not applicable
7	Nitrogen	mg/l	40-50	less than or equal to 10	Not applicable
8	Phosphate	mg/l	5-7	less than or equal to 5	Not applicable
9	E.Coli	MPN/100	1000000	Nil	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						

### 39. Stacks emission Details

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

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

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

41.Source of Fuel Not applicable

42.Mode of Transportation of fuel to site Not applicable

<b>43.Green Belt Development</b>	<b>Total RG area :</b>	3734.38 sqm
	<b>No of trees to be cut :</b>	NA
	<b>Number of trees to be planted :</b>	392
	<b>List of proposed native trees :</b>	As per the list below
	<b>Timeline for completion of plantation :</b>	2 year

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

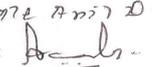
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Ailanthus excelsa	Maharukh	54	SHEDY TREE
2	Albizia lebbeck	Shirish	27	shedy tree
3	Anthocephallus cadamba	Kadamb	63	bird attracting tree and shedytree
4	Azadirchta indica	Neem	45	medicinal tree
5	Bauhinia racemosa	Apta	67	prevent soil erpsion
6	Saraca indica	Sita Ashok	33	bird attracting
7	Phyllanthus embilica	Awala	15	fruit bearing tree
8	Lagerstroemia speciosa	Tamhan	88	shedy tree

45.Total quantity of plants on ground

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

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

#### 47.Energy

 <b>Joy S.Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 93 Meeting Date: September 4, 2019</b>	<b>Page 6 of 133</b>	<b>Name: K. Anil Kale</b>  <b>Signature: Shri. Anil Kale (Chairman SEAC-III)</b>
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<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	75 KW
	<b>DG set as Power back-up during construction phase</b>	82.5 KVA
	<b>During Operation phase (Connected load):</b>	5839 KW
	<b>During Operation phase (Demand load):</b>	2744 KW
	<b>Transformer:</b>	4 Nos. of 630 KVA, 1 Nos. of 315 KVA
	<b>DG set as Power back-up during operation phase:</b>	1 Nos. of 160 KVA, 2 Nos. of 125 KVA
	<b>Fuel used:</b>	27.7 lit./hr @ 75% Loading, 20.2 lit./hr @ 75% Loading
	<b>Details of high tension line passing through the plot if any:</b>	NA

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

Auto Timer control for external & Common lighting  
 Use of CFL / LED lamps in all public/ common areas.  
 Solar powered water heating .  
 Electronic V3F Drives for Elevators  
 Solar PV Panel power for common area lighting.

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

Serial Number	Energy Conservation Measures	Saving %
1	Solar PV Panels	37800 KWH / Anum
2	Timer Logic Controller	198283 KWH / Anum
3	Electronic V3F drive for Lifts	65350 KWH / Anum
4	Solar Water Heater	1663440 KWH / Anum

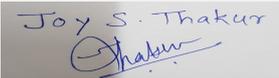
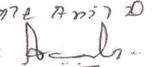
#### 50. Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Water pollution	Not applicable	STP
Noise Pollution	Not applicable	Acoustic enclouser to DG set
Solid waste	Not applicable	OWC to wet waste

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	231.58 lakhs
	<b>O &amp; M cost:</b>	8.99 /-lakhs pa

### 51. Environmental Management plan Budgetary Allocation

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

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Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Erosion control	dust suppression measures, barricading and top soil preservation	25
2	Site Sanitation & Safety	Sanitation measures and safety equipments	50
3	Environmental Monitoring	Air, water, noise and soil analysis	2
4	Disinfection	Paste control	3
5	Health Check up	Health camp	4

**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 installation and operation and piping up to final disposal	180.46	43.22
2	Solid waste management	Installation and operation of OWC	35	5
3	Rain water harvesting	Pits with bores and piping	20	1.0
4	Landscape	Green area	39.63	21.13
5	Energy	energy conservation measures	231.58	9
6	Environment monitoring	Air, water, noise and soil analysis	--	1.60
7	Safety equipment and training	Safety equipment on site and training to labours	9.00	--

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

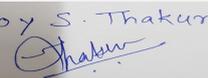
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

**52.Any Other Information**

No Information Available

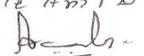
**53.Traffic Management**

Nos. of the junction to the main road & design of confluence:	1
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Parking details:	Number and area of basement:	2
	Number and area of podia:	NA
	Total Parking area:	57659
	Area per car:	35 sqm and 30 sqm
	Area per car:	35 sqm and 30 sqm
	Number of 2-Wheelers as approved by competent authority:	3078
	Number of 4-Wheelers as approved by competent authority:	1381
	Public Transport:	NA
	Width of all Internal roads (m):	NA
	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 as per the EIA notification 2006
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

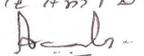
## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

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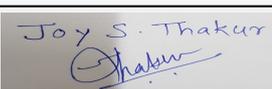
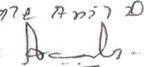
Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

### Brief information of the project by SEAC

PP has submitted his application for prior Environmental clearance for total plot area of 54975 m<sup>2</sup>, FSI area of 90202.30 m<sup>2</sup>, Non FSI area of 58785.94 m<sup>2</sup> and total BUA of 148988 m<sup>2</sup>.

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

### DECISION OF SEAC

 <b>Joy S. Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 93 Meeting Date: September 4, 2019</b>	<b>Page 10 of 133</b>	<b>Name: K. Anil Kale</b>  <b>Signature: Shri. Anil Kale (Chairman SEAC-III)</b>
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**During discussion following points emerged:**

1. In CER, PP has proposed Rs. 2 Cr for tree plantation and road construction. Instead of this, some activity related useful for community like provision of electric crematorium, solar electricity to school, ambulance to hospital etc. may be undertaken.
2. The parking plan showing 6 stack parking below ground is not approved by PMC. PP to revise and submit parking plan layout such that stack parking is avoided inside basement and regular parking with ramp on floors be made. The ramp width shall not be less than 6 m and slope not steeper than 1:10.
3. Parking for commercial building is not yet approved by PMC. The same needs to be revised and submitted without stack parking under ground.
4. PP to submit approved plan for basement.
5. PP to submit indemnity bond indemnifying Environment Department, GoM from any legal consequences.

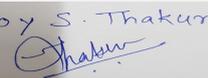
PP requested for time to submit the information sought; after deliberations committee asked PP to **comply** with the observations and submit information to the committee for further discussion and consideration of SEAC.

**Specific Conditions by SEAC:**

1) -

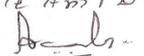
**FINAL RECOMMENDATION**

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

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Joy S. Thakur (Secretary  
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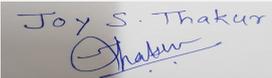
## 93rd SEAC-3 Day 02

**SEAC Meeting number: 93 Meeting Date September 4, 2019**

**Subject:** Environment Clearance for Proposed Amendment of Environmental Clearance of Residential Township at Mamurdi , Pune Plot No 1 bearing S. No. 10/1A/3, 10/1B, 11/1A, 11/2A(P), 11/3, 11/4(P), 11/4/2, 11/1B, 12/1, 12/2/1, 12/2/2, 12/2/3, 13/2, 13/1B(P) at Taluka-Haveli, Village-Mamurdi, Pune, Maharashtra.

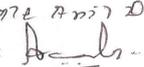
**Is a Violation Case:** No

<b>1.Name of Project</b>	Proposed Amendment of Environmental Clearance of Residential Township at Mamurdi , Pune Plot No 1 bearing S. No. 10/1A/3, 10/1B, 11/1A, 11/2A(P), 11/3, 11/4(P), 11/4/2, 11/1B, 12/1, 12/2/1, 12/2/2, 12/2/3, 13/2, 13/1B(P) at Taluka-Haveli, Village-Mamurdi, Pune, Maharashtra.
<b>2.Type of institution</b>	Private
<b>3.Name of Project Proponent</b>	Godrej Skyline Developers Private Limited
<b>4.Name of Consultant</b>	Building Environment India Pvt. Ltd. Dakshina Building, Office No-401, 4th Floor, Sector 11, CBD Belapur, Navi Mumbai, Maharashtra 400614
<b>5.Type of project</b>	Housing Project
<b>6.New project/expansion in existing project/modernization/diversification in existing project</b>	Amendment in Existing Environmental Clearance
<b>7.If expansion/diversification, whether environmental clearance has been obtained for existing project</b>	Environmental Clearance has been obtained in 15th January ,2019
<b>8.Location of the project</b>	Plot No 1 bearing S. No. 10/1A/3, 10/1B, 11/1A, 11/2A(P), 11/3, 11/4(P), 11/4/2, 11/1B, 12/1, 12/2/1, 12/2/2, 12/2/3, 13/2, 13/1B (P)at Taluka-Haveli, Village-Mamurdi, Pune, Maharashtra
<b>9.Taluka</b>	Haveli
<b>10.Village</b>	Mamurdi
<b>Correspondence Name:</b>	Godrej Skyline Developers Pvt. Ltd. Godrej Eternia, 10th Floor, C wing, Wakdewadi, Shivaji Nagar, Pune: - 411005.
<b>Room Number:</b>	--
<b>Floor:</b>	10th Floor, C wing
<b>Building Name:</b>	Godrej Eternia
<b>Road/Street Name:</b>	Wakdewadi
<b>Locality:</b>	Shivaji Nagar
<b>City:</b>	Pune
<b>11.Whether in Corporation / Municipal / other area</b>	Pimpri Chinchwad Municipal Corporation (PCMC)
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	Received <b>IOD/IOA/Concession/Plan Approval Number:</b> Mamurdi/01/2018 Dt - 12-10-2018 <b>Approved Built-up Area:</b> 294794.33
<b>13.Note on the initiated work (If applicable)</b>	Construction started
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	NA
<b>15.Total Plot Area (sq. m.)</b>	84,401.34 sq. mt.
<b>16.Deductions</b>	16,067.49 sq.mt.
<b>17.Net Plot area</b>	68,333.85 sq.mt.
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> 1,46,950.99
	<b>b) Non FSI area (sq. m.):</b> 1,47,843.34
	<b>c) Total BUA area (sq. m.):</b> 294794.33
<b>18 (b).Approved Built up area as per DCR</b>	<b>Approved FSI area (sq. m.):</b> 1,50,870.89
	<b>Approved Non FSI area (sq. m.):</b> --
	<b>Date of Approval:</b> 25-01-2019
<b>19.Total ground coverage (m2)</b>	34,089.00

  
**Joy S.Thakur (Secretary SEAC-III)**

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20. Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	49.90
21. Estimated cost of the project	5810000000

## 22. Number of buildings & its configuration

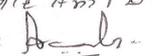
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	7 Towers -Tower-B1 to Tower-B7	S+22	69.95
2	7 Towers -Tower-A1 to Tower-A7	S+22	69.95
3	EWS	P1+P2+17	54.95
4	Club House-1	G	4.65
5	Club House-2	G	4.65
6	MLCP-1 + Club House-3	P1+P2+P3	9.15
7	MLCP-2 + Club House-4	P1+P2+P3	9.15

23. Number of tenants and shops	Shops: 20 Nos; Flats: 2585 Nos.
24. Number of expected residents / users	Residents: 12925 Commercial: 145
25. Tenant density per hectare	--
26. Height of the building(s)	
27. Right of way (Width of the road from the nearest fire station to the proposed building(s))	18 M
28. Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 M
29. Existing structure (s) if any	NA
30. Details of the demolition with disposal (If applicable)	NA

## 31. Production Details

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

## 32. Total Water Requirement

 <b>Joy S. Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 93 Meeting Date: September 4, 2019</b>	<b>Page 13 of 133</b>	<b>Name: K. Anil Kale</b>  <b>Shri. Anil Kale (Chairman SEAC-III)</b>
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<b>Dry season:</b>	<b>Source of water</b>	PCMC / Tanker / STP Treated Water							
	<b>Fresh water (CMD):</b>	Phase-1:561.00; Phase-2:556.00, EWS:95.00; Total:1212.00							
	<b>Recycled water - Flushing (CMD):</b>	Phase-1:272.00; Phase-2:284.00, EWS:48.00; Total:604.00							
	<b>Recycled water - Gardening (CMD):</b>	Phase-1:80.00; Phase-2:90.00, EWS: --; Total:170.00							
	<b>Swimming pool make up (Cum):</b>	Phase-1: Swimming Pool 15.00 Kid's Pool 3.00 Toddler's Pool 2.00 Phase-2: - EWS: -- Total: 20.00							
	<b>Total Water Requirement (CMD) :</b>	Phase-1:933; Phase-2:930, EWS:143.00; Total:2006.00							
	<b>Fire fighting - Underground water tank(CMD):</b>	1 No. of 540 Cu.m capacity U.G fire tank required for Phase 1. 1 No. of 540 Cu.m capacity U.G fire tank required for Phase 2. 1 No. of 150Cu.m capacity U.G fire tank required for Phase EWS. 1 No. of 150 Cu.m capacity U.G fire tank required for MLCP-1 1 No. of 150 Cu.m capacity U.G fire tank required for MLCP-2 ( As per Fire Noc)							
	<b>Fire fighting - Overhead water tank(CMD):</b>	7 Nos. of 25Cu.m capacity O.H fire tank required for Phase 1. 7 Nos. of 25Cu.m capacity O.H fire tank required for Phase 2. 1 No. of 25Cu.m capacity O.H fire tank required for EWS. 1 No. of 10Cu.m capacity O.H fire tank required for MLCP-1 1 No. of 10Cu.m capacity O.H fire tank required for MLCP-2 .( As per Fire Noc)							
<b>Excess treated water</b>	Phase-1:344.00; Phase-2:349.00, EWS:74.00; Total:767.00								
<b>Wet season:</b>	<b>Source of water</b>	PCMC / Tanker / STP Treated Water							
	<b>Fresh water (CMD):</b>	Phase-1:561.00; Phase-2:556.00, EWS:95.00; Total:1212.00							
	<b>Recycled water - Flushing (CMD):</b>	Phase-1:272.00; Phase-2:284.00, EWS:48.00; Total:604.00							
	<b>Recycled water - Gardening (CMD):</b>	NA							
	<b>Swimming pool make up (Cum):</b>	Phase-1: Swimming Pool 15.00 Kid's Pool 3.00 Toddler's Pool 2.00 Phase-2: -- EWS: -- Total: 20.00							
	<b>Total Water Requirement (CMD) :</b>	Phase-1:833; Phase-2:840, EWS:143.00; Total:1816.00							
	<b>Fire fighting - Underground water tank(CMD):</b>	1 No. of 540Cu.m capacity U.G fire tank required for Phase 1. 1 No. of 540Cu.m capacity U.G fire tank required for Phase 2. 1 No. of 150Cu.m capacity U.G fire tank required for Phase EWS. 1 No. of 150 Cu.m capacity U.G fire tank required for MLCP-1 1 No. of 150 Cu.m capacity U.G fire tank required for MLCP-2 .( As per Fire Noc)							
	<b>Fire fighting - Overhead water tank(CMD):</b>	7 Nos. of 25Cu.m capacity O.H fire tank required for Phase 1. 7 Nos. of 25Cu.m capacity O.H fire tank required for Phase 2. 1 No. of 25Cu.m capacity O.H fire tank required for Phase EWS. 1 No. of 10Cu.m capacity O.H fire tank required for MLCP-1 1 No. of 10Cu.m capacity O.H fire tank required for MLCP-2 .( As per Fire Noc)							
<b>Excess treated water</b>	Phase-1:344.00; Phase-2:349.00, EWS:74.00; Total:767.00								
<b>Details of Swimming pool (If any)</b>	Swimming Pool: 326 sq mt x 1.25 m Kid's Pool: 101 sq mt x 0.45 m Toddler's Pool: 60 sq mt x 0.3 m ( As per drawing - design change )								

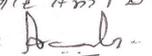
### 33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
<b>Water Requirement</b>									

  
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Domestic	Not applicable								
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<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	Average depth of Un-confined aquifer is at 7.00 m. to 10.60 m. Average depths of Confined aquifers are at 16.20 m. to 20.20 m., 46.00 m. to 56.00 m. & 82.00 m. to 92.00 m.
	<b>Size and no of RWH tank(s) and Quantity:</b>	NA
	<b>Location of the RWH tank(s):</b>	-
	<b>Quantity of recharge pits:</b>	Phase-1:49 Nos; Phase-2:52 Nos. EWS: 5 Nos.
	<b>Size of recharge pits :</b>	2m Dia. and 2.5m effective depth.
	<b>Budgetary allocation (Capital cost) :</b>	50.00 L
	<b>Budgetary allocation (O &amp; M cost) :</b>	5.00 L/annum
	<b>Details of UGT tanks if any :</b>	Under Ground Sump-1:- Domestic 420KLD,Flushing 272KLD,Gardening:31KLD Under Ground Sump-2:-Domestic-72KLD,Flushing -49KLD,Gardening-14KLD Under Ground Sump-3 :- Domestic-115KLD,Flushing -58KLD TANK WILL BE DESIGNED FOR 1.5 DAYS WATER DEMAND

<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	South-west
	<b>Quantity of storm water:</b>	Outfall 1 = 639.9 L/s Outfall 2 = 675.5 L/s Outfall 3 = 61.2 L/s
	<b>Size of SWD:</b>	SWD of Outfall 1 = 1.0m(W) x 0.8m(D) SWD of Outfall 2 = 1.0m(W) x 0.8m(D) SWD of Outfall 3 = 0.5m(W) x 0.5m(D)

<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	Phase-1:732.00; Phase-2: 760.00, EWS:129.00; Total: 1621.00
	<b>STP technology:</b>	MBBR
	<b>Capacity of STP (CMD):</b>	5 Nos. Phase-1:275.00 & 460.00; Phase-2: 285.00 & 475.00; EWS:130.00;
	<b>Location &amp; area of the STP:</b>	--
	<b>Budgetary allocation (Capital cost):</b>	150.00 L
	<b>Budgetary allocation (O &amp; M cost):</b>	45.00 L/annum

### 36.Solid waste Management

<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	--
	<b>Disposal of the construction waste debris:</b>	From waste generation from proposed development 30% will be recycled on site & remaining will be handed over to Authorised Recycles as per C&D waste Management Rule,2016

<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	Phase-1:1339.00 Kg/Day; Phase-2:1392.00 Kg/Day; EWS:220.00 Kg/Day; Total:2952.00 Kg/Day
	<b>Wet waste:</b>	Phase-1:1900.00 Kg/Day; Phase-2:1972.00 Kg/Day; EWS:321.00 Kg/Day; Total:4194.00 Kg/Day
	<b>Hazardous waste:</b>	will be handed over as per Hazardous Waste Management & Handling Rule,2016
	<b>Biomedical waste (If applicable):</b>	Not Applicable
	<b>STP Sludge (Dry</b>	Phase 1: 28 Phase 2: 40 EWS: 5 Total: 93

<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Will be handed over to SWaCH
	<b>Wet waste:</b>	Will be treated in Organic Waste Converter
	<b>Hazardous waste:</b>	Will be handled as per Hazardous Waste Management Rules,2018
	<b>Biomedical waste (If applicable):</b>	Not Applicable
	<b>STP Sludge (Dry sludge):</b>	Will be used as soil conditioner
	<b>Others if any:</b>	---
<b>Area requirement:</b>	<b>Location(s):</b>	Phasewise
	<b>Area for the storage of waste &amp; other material:</b>	Phase-1:30.00 sq.mt; Phase-2:30.60 sq.mt ; EWS:30.00 sq.mt
	<b>Area for machinery:</b>	Phase-1:56.70 sq.mt; Phase-2:56.60 sq.mt ; EWS:16.50 sq.mt
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	110.50 L
	<b>O &amp; M cost:</b>	11.50 L/annum

### 37.Effluent Charecterestics

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

### 38.Hazardous Waste Details

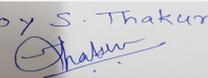
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable						

### 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

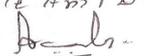
### 40.Details of Fuel to be used

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>	6833.50 sq.mt
	<b>No of trees to be cut :</b>	Trees may be affected:89 Nos. Trees may be transplanted:35 Nos. Trees may be retained:13 Nos.
	<b>Number of trees to be planted :</b>	1100 Nos.
	<b>List of proposed native trees :</b>	Attached
	<b>Timeline for completion of plantation :</b>	Till the completion of the project.

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Grevillea robusta	Silver Oak	50	Fast growing evergreen tree
2	Terminalia arjuna	Arjun	40	Evergreen, slender, medicinal property
3	Delonix regia	Gulmohar	50	Flowering and shade giving
4	Albizia saman	Rain Tree	30	Large evergreen shade giving tree
5	Lagerstromia reginea	Taman	50	Flowering and shade giving
6	Cassia fistula	Amaltas	90	Flowering tree, ornamental
7	Cassia nodosa	Pink javanica	32	Flowering, ornamental
8	Jacaranda mimosaeifolia	Neeli gulmohar	50	Deciduous, flowering, ornamental
9	Chorisia speciosa	Pink silk floss	60	Flowering, ornamental
10	Mimusops elengi	Maulsari	70	Evergreen, shade giving
11	Kigelia pinnata	Sausage tree	50	Evergreen, shade giving, flowering
12	Erythrina indica	Indian Coral tree	50	Flowering, ornamental
13	Butea monosperma	Palaash	60	Flowering, ornamental
14	Bauhinia blakeana/variegata	Kachnar	60	Flowering, ornamental, interesting leaf form
15	Schleichera oleosa	Kusum	40	Flowering, medicinal property
16	Tabebuia rosea	Pink trumpet tree	60	Flowering, ornamental
17	Crataeva religiosa	Barna	40	Tall, shade giving, flowering tree
18	Madhuca longifolia	Mahua	60	Fragrant flowering tree
19	Phoenix sylvestris	Sugar date palm	50	Tall, ornamental
20	Roystonea regia	Royal palm	60	Tall, ornamental
21	New Trees to be planted	New Trees to be planted	1052	Tall, ornamental
22	Trees to be retained & Transplanted	New Trees to be planted	48	Tall, ornamental
23	Total	Total	1100	Tall, ornamental

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

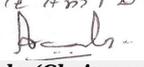
#### 46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	Vitex negundo	0.50	60

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2	Caesalpinia pulcherrina	0.45	48
3	Calliandra haematocephala	1.80	112
4	Mussaenda	2.00	120
5	Justicia	0.50	90
6	Ixora chinensis, singaporensis	0.60	104
7	Franciscea latifolia	1.50	87
8	Hamelia patens	0.75	38
9	Clerodendrum inerme	0.60	100
10	Alocasia macrorrhiza	0.60	40
11	Alpinia zerumbet variegata	0.45	78
12	Codiaeum variegatum	0.75	55
13	Duranta plumerei	0.45	103
14	Euphorbia cotinifolia	1.00	66
15	Ficus panda	0.80	110
16	Galphimia cotinifolia	0.60	75
17	Jatropha panduraefolia	1.80	87
18	Tecoma stans	1.8	120
19	Tabernaemontana variegated	1	107
20	Bouganvillea	1.5	108

### 47. Energy

<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	300 kW
	<b>DG set as Power back-up during construction phase</b>	400kVA DG for construction
	<b>During Operation phase (Connected load):</b>	Phase-1: 8125.34 KW Phase-2: 7999.70 KW EWS: 1079.72 KW
	<b>During Operation phase (Demand load):</b>	Phase-1: 3734.28 KW Phase-2: 3634.17 KW EWS: 431.89 KW
	<b>Transformer:</b>	17Nos.630kVA 22kV/433V Transformer and 1No. of 100kVA 22kV/433V
	<b>DG set as Power back-up during operation phase:</b>	Phase-1: 1 DG set of 1010 kVA capacity and 1 DG set of 630 kVA Phase-2: 1 DG set of 1010 kVA capacity and 1 DG set of 630 kVA EWS: 1 DG set of 63 kVA
	<b>Fuel used:</b>	Diesel
<b>Details of high tension line passing through the plot if any:</b>	--	

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

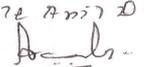
11.40% 12%

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

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Serial Number	Energy Conservation Measures	Saving %
1	Solar Photovoltaic (90kWp) onsite power generation-158355kWh savings, Solar Hot Water-1760535kWh savings	1
2	% of saving through Renewable energy	12

### 50.Details of pollution control Systems

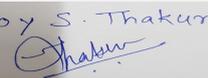
Source	Existing pollution control system	Proposed to be installed
Water	Not applicable	STP
Soil	Not applicable	OWC

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	260.50 L
	<b>O &amp; M cost:</b>	56.05 L/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	Dust pollution	Water spray for dust suppression	5.00
2	EHS	Site sanitation and Potable Water Supply to Labour	8.00
3	Environment monitoring	Environmental Monitoring (As per the CPCB guidelines through MoEF Approved laboratories)	4.00
4	EHS	Health check-up & first aid	5.00
5	Safety	Safety Personal Protective Equipment (Helmets, Safety Shoes, Safety Belt, Goggles, Hand Gloves etc.)	10.00
6	Traffic Management (Sign Boards, Persons at entry exit and Parking area)	Traffic Management (Sign Boards, Persons at entry exit and Parking area)	4.00
7	Safety nets	Safety nets	25.00
8	Storm water Management (SWD along plot boundary and Sedimentation Pits)	Storm water Management (SWD along plot boundary and Sedimentation Pits)	4.00
9	Passenger lift	Passenger lift	3.00
10	Tyre cleaning and Vehicle maintenance	Tyre cleaning and Vehicle maintenance	4.00
11	Safety Training to Workers (Twice in Year), Safety Officer	Safety Training to Workers (Twice in Year), Safety Officer	7.00
12	Disinfection	Disinfection	2.50

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13	Debris & construction waste	Debris & construction waste	30.00
14	Total Cost	Total Cost	111.50

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

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP	MBBR Technology	150.00	45.00
2	RWH	Recharge Pits	50.00	5.00
3	Landscape	-	50.00	10.00
4	SWM	OWC	110.5	11.05
5	Energy Saving	Solar PV Cells, Solar panels	557.00	--
6	DMP	DMP	3743.00	347.50
7	Total	Total	5003.5	418.55

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

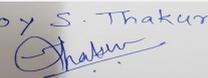
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

**52.Any Other Information**

No Information Available

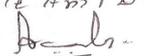
**53.Traffic Management**

Nos. of the junction to the main road & design of confluence:	--
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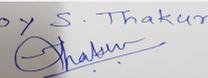
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<b>Parking details:</b>	<b>Number and area of basement:</b>	Not Applicable
	<b>Number and area of podia:</b>	3 Podiums= Podium1 - 17011 + Podium2 - 17011 Podium3- 15951
	<b>Total Parking area:</b>	49973 sq. m
	<b>Area per car:</b>	28.07 sq. m.
	<b>Area per car:</b>	28.07 sq. m.
	<b>Number of 2-Wheelers as approved by competent authority:</b>	Required Scooter:5226 Nos. Proposed:Scooter:5226 Nos. Required Cycle:5190 Nos. Proposed Cycle:5190 Nos.
	<b>Number of 4-Wheelers as approved by competent authority:</b>	Required 4 W: 1311 Nos. Proposed 4 W:2181 Nos.
	<b>Public Transport:</b>	-
	<b>Width of all Internal roads (m):</b>	9.00 mt
	<b>CRZ/ RRZ clearance obtain, if any:</b>	--
	<b>Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries</b>	--
	<b>Category as per schedule of EIA Notification sheet</b>	Townships and Area Development projects 8(b); Category: B
	<b>Court cases pending if any</b>	NA
	<b>Other Relevant Informations</b>	--
	<b>Have you previously submitted Application online on MOEF Website.</b>	Yes
	<b>Date of online submission</b>	10-08-2017

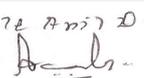
## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

<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	-

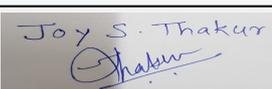
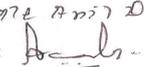
### Brief information of the project by SEAC

PP has submitted his application for prior Environmental clearance for total plot area of 84401.34 m<sup>2</sup>, FSI area of 1,46,950.99 m<sup>2</sup>, Non FSI area of 1,47,843.34 m<sup>2</sup> and total BUA of 294794.33m<sup>2</sup>.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B1.

### DECISION OF SEAC

SEAC-AGENT/DA/000/2019/0321

 <b>Joy S.Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 93 Meeting Date: September 4, 2019</b>	<b>Page 22 of 133</b>	<b>Name: K. Anil Kale</b>  <b>Shri. Anil Kale (Chairman SEAC-III)</b>
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Committee informed PP to use model TOR available on the web site of MoEF&CC in addition to the points mentioned below for carrying out EIA studies:

**Additional terms of Reference for carrying out EIA studies**

**1. Project Description**

1. Project description, its importance and the benefits.
2. Project site details (location, topo-sheet of the study area of 10 Km, Coordinates, google map, layout map, land use, geological features and geo-hydrological status of the study area, drainage). Hydro-geological survey report with graphs & data.
3. Land use as per the approved Master Plan of the area, Permission/approvals required from the land owning agencies, Development Authorities, Local Body, Water supply & Sewerage Board, etc.
4. Land acquisition status, R & R details.
5. Forest and Wildlife and eco-sensitive zones, if any in the study area of 10 km. Any sensitive areas in impact zone such as archaeological structures, reserved forest, noise sensitive zones etc. Clearances required under the Forest (Conservation) Act, 1980, the Wildlife (Protection) Act, 1972 and/or the Environment (Protection) Act, 1986.
6. (G) High Tension wires if any on the plot.
7. (G) Plan showing HFL.
8. (G) Permissions granted by State Government in tabular and chronological form. Comparative statement of components approved and components constructed as per earlier EC (if applicable) and proposed development.
9. (G) PP to submit the detailed master plan indicating already completed construction and proposed construction. PP to submit the certificate from architect for completed work

**2. Base Line Data**

10. (B) Baseline environmental study for ambient air (PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>, NO<sub>x</sub> & CO), water (both surface and ground), noise and soil as per MoEF&CC/CPCB guidelines at minimum 5 locations in the study area of 10 km, The collection and analysis of data shall be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1986, or an environmental laboratory duly notified under the Environment (Protection) Act, 1986, or an environmental laboratory accredited by NABL, or a laboratory of a Council of Scientific and Industrial Research (CSIR) institution working in the field of environment.
11. (C) Detail on flora and fauna and socio-economic aspects in the study area. Details of tree cutting, tree transplantation and survival report of existing trees.
12. (C) Likely impact of the project on the environmental parameters (ambient air surface and ground water, land, flora and fauna and socio-economic, etc.)
13. (B) Source of water for different identified purposes with the permissions required from the concerned authorities, both for surface water and the ground water (by CGWA) as the case may be, Rain water harvesting, etc.
14. (G) Socio-economic infrastructure details including public transport arrangements on the site; PP to mention details of socio-economic in EIA.
15. (G) PP to submit contour map with slopes, drainage pattern of the site and surrounding area. Layout showing natural water courses on site; total runoff calculation before and after development.
16. (C) PP to submit details of existing trees, proposed to be cut, proposed to be transplanted along with tree survival report

**3. Traffic Impact Study in detail including:**

17. (V) Traffic Management Plan for the development - Internal circulation indicating road width and turning radius. Cross section of roads at four places showing clear road width, distance left from building line, spaces left for plantation, footpath, service lines etc.
18. (V) Traffic Volume Counts and Turning Movement Counts on all the external surrounding roads of the proposed project showing the time period taken.
19. (V) Topographic details of roads and intersection of the surrounding roads where counts are taken, actual geometry on ground to be shown with dimensions.
20. (V) Traffic generation values of similar development to be given by actual count by actual count as support data for assumption made to the particular project.
21. (V) Parking statement mentioning parking as per DCR & parking provided actually.
22. (V) Basement ventilation plan: Fire Tender Movement Plan showing clear road and turning radius. Cross section of roads at four places including UGT, OWC and DG set location showing clear road width and distance left from building line & spaces left for plantation, parking, service lines, foot paths, etc.

**4. Environmental Impact and Management Plan:**

23. (B) Identify sources of air pollution, indicate mitigation measures to reduce Air pollution/Noise pollution.
24. (G) Debris management plan including (a) debris required for refilling, (b) contour plan, (c) details of site where excess debris will be disposed, capacity of the site and NOC of plot owner. PP shall also ensure that debris disposed on other plot shall not be disposed on another plot. If to be disposed on another plot, the same shall be carried out as per prevailing environmental laws.
25. (B) Management of solid waste and the construction & demolition waste for the project vis-a-vis the Solid Waste Management Rules 2016 and the Construction & Demolition Rules, 2016. Transport, collection, storage and disposal for all types of wastes like hazardous waste, non-hazardous waste, solid waste, E- waste, and debris/excess earth etc. PP to provide the detailed solid waste management plan along with marked locations on the master plan. Design details of waste processing equipment such as OWC/biogas plants confirming to the technical requirements to meet the quality products.
26. (B) Waste water management (treatment, reuse and disposal) for the project and also the study area. Design of all STP's along with BOD load, oxygen requirement calculations and sizing of the tanks with respect to the design criteria. PP to submit detailed calculation for the disinfection of the treated STP water; PP to submit cross sectional drawing of STP's showing dimensions and ground level; PP to provide ozonation for tertiary treatment. PP to mark the area required for all STP's on master layout with dimensions
27. (J) PP to show internal storm water drain and sewer line arrangements up to final disposal point.
28. (C) Provision of mandatory RG area on virgin land and submit the drawing with calculations, ensuring entire mandatory RG is provided on the plot where residential buildings are proposed.
29. (G) A detailed phase wise development plan with safety planning where occupancy has been given.
30. (T) If any site specific structures such as creation of water body, alteration of natural storm water, large alteration of slopes, creation of green areas abutting to water bodies / natural storm water drain / river etc, is involved, detailed environmental protection approach for the same shall be provided.
31. (D) Separate chapter on Renewable energy in EIA report. PP to submit terrace plan for installing solar panels& calculations of energy saving; Energy efficient measures (LED lights, solar power, etc.) during construction as well as during operational phase of the project. Report on ECBC compliance.
32. (D) Provide details of Solar PV and Solar water heater in the specific format. PP to carryout shadow analysis for identifying the roof-top area for providing solar panels
33. (B) Environmental status report including analysis reports of all environmental pollution reduction facilities if any commissioned.
34. (K) PP to submit Disaster management plan.
35. (B) Preparation of site specific, executable and auditable environment management plan (EMP)

**5. Environmental Modelling and additional Studies:**

36. (B) Fugitive dust modelling by using local meteorological data.
37. (B) Ecological footprint calculation using LCA approach.
38. (B) Estimation of Carbon footprint of the project.
39. (B) Gate mass balance analysis for environmental parameters related to solid/liquid waste material coming to site, waste generated and its treatment and disposal from site.

**6. NOCs, Undertakings and CER:**

40. (T) NOC's required: a) CFO NOC, b)Water supply NOC with quantity, c) Drainage NOC, d) Non-biodegradable waste disposal.
41. (T) Undertaking to provide DG set backup to all Pollution Control Devices, Water Supply, Emergency Services including emergency lifts, etc.
42. (K) PP to submit details of CER activities in consultation with the affected people in the project area as per MoEF&CC circular dt. 01.05.2018, along with details of fund utilization & agreement or consent of executor.

\*\*\*\*\*

Specific Conditions by SEAC:

Joy S. Thakur  
Thakur

**Joy S.Thakur (Secretary  
SEAC-III)**

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**Name: K 072 Anil D.**  
**Signature: Anil**  
**Shri. Anil Kale (Chairman  
SEAC-III)**

## FINAL RECOMMENDATION

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

SEAC-AGENDA-0000000321

Joy S. Thakur  


Joy S.Thakur (Secretary  
SEAC-III)

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Name: K 072 Anil D.  
Signature: 

**Shri. Anil Kale (Chairman  
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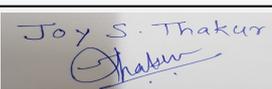
## 93rd SEAC-3 Day 02

**SEAC Meeting number: 93 Meeting Date** September 4, 2019

**Subject:** Environment Clearance for Environment Clearance for Amendment

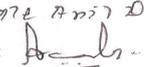
**Is a Violation Case:** No

<b>1.Name of Project</b>	Residential & Commercial Development
<b>2.Type of institution</b>	Private
<b>3.Name of Project Proponent</b>	M/s. BramhaCorp Ltd.
<b>4.Name of Consultant</b>	Enviro Analysts & Engineers Pvt. Ltd.
<b>5.Type of project</b>	Residential and Commercial Development
<b>6.New project/expansion in existing project/modernization/diversification in existing project</b>	Amendment in EC
<b>7.If expansion/diversification, whether environmental clearance has been obtained for existing project</b>	Yes, EC has been obtained vide letter No. vide letter no. SEIAA -EC-0000000525 dated -27.11.2018 for total construction built up area 6,25,393.12 m2
<b>8.Location of the project</b>	S. No. 7/1, 7/2, 7/3, 7/4, 7/5, 8/1/1/2 and 3/2 (P) , Wadgaon Sheri,
<b>9.Taluka</b>	Haveli
<b>10.Village</b>	Wadgaon Sheri,
<b>Correspondence Name:</b>	Mrs. Anjali Bendarkar
<b>Room Number:</b>	3
<b>Floor:</b>	-
<b>Building Name:</b>	Queen's Garden, Residency Club
<b>Road/Street Name:</b>	Residency Club
<b>Locality:</b>	Camp
<b>City:</b>	Pune
<b>11.Whether in Corporation / Municipal / other area</b>	Pune Municipal Corporation
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	IOD/IOA/Concession/Plan Approval Number: We have received sanction dated 8.10.2018 no.DPO/CC/2049/18 for FSI area of 379068.14 m2 and Non-FSI area of 246324.98 m2 TBUA.- 625393.12 m2 Approved Built-up Area: 625393.12m2 <b>IOD/IOA/Concession/Plan Approval Number:</b> DPO/CC/2049/18 dated 8.10.2018 <b>Approved Built-up Area:</b> 625393.12
<b>13.Note on the initiated work (If applicable)</b>	13.Note on the initiated work (If applicable) Construction work was initiated as per the previous EC's obtained from SEIAA, Maharashtra vide Letter no. SEIAA -EC-0000000525 dated 27th November 2018
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	NA
<b>15.Total Plot Area (sq. m.)</b>	177900 m2
<b>16.Deductions</b>	10749 m2
<b>17.Net Plot area</b>	167151 m2
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> 411377.99
	<b>b) Non FSI area (sq. m.):</b> 395229.42
	<b>c) Total BUA area (sq. m.):</b> 806607.41
<b>18 (b).Approved Built up area as per DCR</b>	<b>Approved FSI area (sq. m.):</b> 379068.14
	<b>Approved Non FSI area (sq. m.):</b> 246324.98
	<b>Date of Approval:</b> 08-10-2018
<b>19.Total ground coverage (m2)</b>	97544.38
<b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>	58%
<b>21.Estimated cost of the project</b>	11272300000

  
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**Signature:**   
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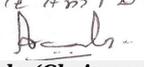
## 22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A1 (existing)	P+9	28.9
2	A2 ((existing)	P+9	31.79
3	C1 (existing)	P+9	28.9
4	C2 (existing)	P+9	28.9
5	C3 (existing)	P+9	31.79
6	CL1 (existing)	P+9	28.9
7	CL2 (existing)	P+9	31.79
8	D1(existing)	P+9	28.9
9	D2 (existing)	P+9	28.9
10	D3 (existing)	P+9	28.9
11	D4 ((existing)	P+9	31.79
12	D5 (existing)	P+9	31.79
13	D6 (existing)	P+9	31.79
14	E1 (existing)	P+9	28.9
15	E2 (existing)	P+9	28.9
16	E3 (existing)	P+9	28.9
17	E4 (existing)	P+9	28.9
18	E5 (existing)	P+9	31.79
19	E6 (existing)	P+9	31.79
20	E7 (existing)	P+9	31.79
21	L1 (existing)	P+9	28.9
22	L2 (existing)	P+9	28.9
23	L3 (existing)	P+9	28.9
24	A3 (existing)	P+11	35.90
25	C4 (existing)	P+11	35.90
26	C5 (existing)	P+11	35.90
27	A4(existing)	P+11	31.79
28	C6 (existing)	P+11	31.79
29	D7 (existing)	P+11	31.79
30	CL3 (existing)	P+11	31.79
31	Multi-purpose Hall & Club house (existing)	P+2 & G + 1	8.48 and 9.2
32	Bungalows (existing)- 4 no	G + 2	4.12
33	Tower 1 (existing)	B+G+P+S+18	63.65
34	Tower 2(existing)	B+G+P+S+18	63.65
35	Tower 3 (existing)	B+G+P+S+18	63.65
36	Tower 4 (existing)	B+G+P+S+18	63.65
37	Tower 5(existing)	B+G+P+S+20	69.45
38	Tower 6 (existing)	B+G+P+S+20	69.45
39	Tower 7 (existing)	B+G+P+S+20	69.45
40	Tower 8(existing)	B+G+P+S+22	75.25

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**Name:** *Kale Anil D.*  
**Signature:**   
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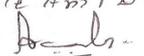
41	Tower 9 (wing A and B) (Proposed)	B3+B2+B1+LG+GR+ P1+P2/1ST +P3/2ND +25	86.125
42	Building W1 to W8 (Proposed)	B4+B3+B2+B1+LG+GR+ P1+P2/1ST +P3/2ND +25	86.125
43	Structure G1 (Proposed)	Ground	4.80
44	Building F1 (Proposed)	3B+stilt+2P+26	83.5
45	Building F2 (Proposed)	P+8	27.00
46	Club House (Proposed)	Ground above 3rd floor	6.00

<b>23.Number of tenants and shops</b>	3907 flats, and 315 shops and 1362 offices
<b>24.Number of expected residents / users</b>	Residential- 19535 Nos. Commercial - 9801
<b>25.Tenant density per hectare</b>	234
<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>	Nearest fire station: Amanora Fire Station 4.6 Km from site. Width of the road from nearest
<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>	Construction work is ongoing as per the previous EC from SEIAA, Maharashtra vide letter no. SEIAA -EC-0000000525 dated 27November,2018 Existing Constructed buildings on site : A1, A2, C1, C2, C3, CL1, CL2, D1, D2, D3, D4, D5, D6, E1, E2, E3, E4, E5, E6, E7, L1,L2,L3,A3, C4,C5,A4, C6, D7,CL3, Multipurpose hall(F Building) , Club House,Bungalows,Tower1, Tower 2, Tower 3, Tower 4 ,Tower 5, Tower 6, Tower 7, Tower 8 . FSI : 190122.75 m2 Non FSI - 196782.66 m2 Total BUA- 386905.41 m2
<b>30.Details of the demolition with disposal (If applicable)</b>	Labour camp - 207Cum debris will be generated

### 31.Production Details

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

### 32.Total Water Requirement

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<b>Dry season:</b>	<b>Source of water</b>	Pune Municipal Corporation
	<b>Fresh water (CMD):</b>	1954
	<b>Recycled water - Flushing (CMD):</b>	1124
	<b>Recycled water - Gardening (CMD):</b>	210
	<b>Swimming pool make up (Cum):</b>	25
	<b>Total Water Requirement (CMD) :</b>	3313
	<b>Fire fighting - Underground water tank(CMD):</b>	1. Existing (A1 to A4, C1 to C6, CL1 to CL3, D1 to D7, L1 to L3, E1 to E7 and MPH, Bungalow) - 500 KLD 2. Tower 1 to Tower 8, -800 KLD 3. Tower 9(Wing A and B) - 300 KLD 4. Building F1 and F2-100 KLD each 5. Building W1-W8 -1000 KLD
	<b>Fire fighting - Overhead water tank(CMD):</b>	1. Existing (A1 to A4, C1 to C6, CL1 to CL3, D1 to D7, L1 to L3, E1 to E7 and Bungalow) - 300 KLD 2. Tower 1 to Tower 8 -200 KLD 3. Tower 9 (Wing A and B) - 80 KLD 4. Building F1&F2 - 50 KLD/each 5. Building W1-W8 - 150 KLD
	<b>Excess treated water</b>	1436
<b>Wet season:</b>	<b>Source of water</b>	Pune Municipal Corporation
	<b>Fresh water (CMD):</b>	1954
	<b>Recycled water - Flushing (CMD):</b>	1124
	<b>Recycled water - Gardening (CMD):</b>	00
	<b>Swimming pool make up (Cum):</b>	25
	<b>Total Water Requirement (CMD) :</b>	3103
	<b>Fire fighting - Underground water tank(CMD):</b>	1. Existing (A1 to A4, C1 to C6, CL1 to CL3, D1 to D7, L1 to L3, E1 to E7 and MPH, Bungalow) - 500 KLD 2. Tower 1 to Tower 8, -800 KLD 3. Tower 9(Wing A and B) - 300 KLD 4. Building F1 and F2-100 KLD each 5. Building W1-W8 -1000 KLD
	<b>Fire fighting - Overhead water tank(CMD):</b>	1. Existing (A1 to A4, C1 to C6, CL1 to CL3, D1 to D7, L1 to L3, E1 to E7 and Bungalow) - 300 KLD 2. Tower 1 to Tower 8 -200 KLD 3. Tower 9 (Wing A and B) - 80 KLD 4. Building F1&F2 - 50 KLD/each 5. Building W1-W8 - 150 KLD
	<b>Excess treated water</b>	1646
<b>Details of Swimming pool (If any)</b>	Swimming pool 1: Area : 250 m2 Swimming Pool 2 & 3: Main pool volume: 192 cu.m Kids pool volume: 31.46 cu.m  Swimming Pool 4-168.8 m2 and 50.6 m2	

### 33.Details of Total water consumed

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

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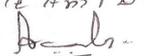
**Name:** *Kale Anil D.*  
**Signature:** *Anil*  
**Shri. Anil Kale (Chairman SEAC-III)**

<b>34. Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	Summer Season - 15.60 m. to 20.20 m. BGL. (17.90 M. Average) Rainy Season - 4.20 m. to 6.20 BGL. (5.20 M. Average) Winter Season - 9.90 m. to 13.20 m. BGL. ( 11.55 M. Average)
	<b>Size and no of RWH tank(s) and Quantity:</b>	NA
	<b>Location of the RWH tank(s):</b>	NA
	<b>Quantity of recharge pits:</b>	28 nos.
	<b>Size of recharge pits :</b>	2.50 m. X 2.50 m. X 2.00 m Depth via 2 No. of de-siltation pits of 0.9 m. Dia. 1.0 m. Depth
	<b>Budgetary allocation (Capital cost) :</b>	Rs 35 Lakhs
	<b>Budgetary allocation (O &amp; M cost) :</b>	Rs 1.5 Lakhs/Annum
	<b>Details of UGT tanks if any :</b>	Domestic UG tank Capacity: 2940cum (at multiple locations) Fire Fighting Tank Capacity: 2700 cum (at multiple locations)
<b>35. Storm water drainage</b>	<b>Natural water drainage pattern:</b>	North to South and East to West
	<b>Quantity of storm water:</b>	1.75 cum/sec.
	<b>Size of SWD:</b>	Internal 300-450 mm SWD
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	2770 KLD
	<b>STP technology:</b>	MBBR
	<b>Capacity of STP (CMD):</b>	STP -5 Nos. (770 KLD, 640KLD, 850KLD, 340KLD, 170KLD)
	<b>Location &amp; area of the STP:</b>	1. 770 KLD - 500 m2 2. 640 KLD - 420 m2 3. 850 KLD- 288 m2, 4. 340 KLD - 132 m2 5. 170 KLD - 95 m2
	<b>Budgetary allocation (Capital cost):</b>	Rs. 609.00lakhs
	<b>Budgetary allocation (O &amp; M cost):</b>	Rs. 36.00 lakhs/annum
<b>36. Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	280 kg/day
	<b>Disposal of the construction waste debris:</b>	The total quantity of the excavated soil will be used for land filling, and surplus will be sent to authorize dumping sites. Scrap material will be sold to recyclers
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	4960 kg/day
	<b>Wet waste:</b>	6456 Kg/day
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	140kg/day
	<b>Others if any:</b>	54 kg/day- e waste

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<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Handed over to authorized recycler
	<b>Wet waste:</b>	Treated on OWC and used as manure
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	To be used as manure
	<b>Others if any:</b>	e waste- Handed over to authorized recycler
<b>Area requirement:</b>	<b>Location(s):</b>	2 OWC near BuildingW6 2 OWC near Building W8 1 OWC near D6 1 OWC near Building F1
	<b>Area for the storage of waste &amp; other material:</b>	234 m2
	<b>Area for machinery:</b>	200 m2
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs. 99.00 Lakhs
	<b>O &amp; M cost:</b>	Rs. 22.49Lakhs/annum

### 37.Effluent Charecterestics

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

### 38.Hazardous Waste Details

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

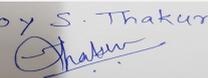
### 39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	125 kVA	20.2 lit./hr. per DG	1	4.3	0.1016	450 degree C
2	160 kVA	27.7 lit./hr. per DG	1	4.3	0.1016	450 degree C
3	320kVA	52.5 lit./hr. per DG	6	4.8	0.1524	450 degree C

### 40.Details of Fuel to be used

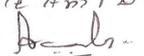
Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel	Diesel	Diesel	Diesel

41.Source of Fuel	From Authorized Vendor
42.Mode of Transportation of fuel to site	By Road

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<b>43.Green Belt Development</b>	<b>Total RG area :</b>	16802
	<b>No of trees to be cut :</b>	0
	<b>Number of trees to be planted :</b>	579
	<b>List of proposed native trees :</b>	listed as below
	<b>Timeline for completion of plantation :</b>	by the end of construction phase

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	PROPOSED TREES	NA	NA	NA
2	Peltophorum pterocarpum	Copperpod	55	Yellow Flowering ornamental tree
3	Delonix regia	Gulmohar	52	Evergreen tree
4	Tabebuia rosea	Pink trumpet Tree	5	Deciduous pink flowering
5	Samanea saman	RainTree	9	Evergreen tree
6	Pongamia pinnata	Karanj	12	Deciduous Tree
7	Kigelia africana	Sausage Tree	12	Evergreen tree
8	Cassia grandis	Pink Cassias	12	Deciduous pink flowering Tree
9	Millingtonia hortensis	Indian Cork tree	17	Fragrance flowering tree
10	Anthocephallus cadamba	Kadamb tree	18	Shady large tree, ball shaped flowers
11	Bauhinia racemosa	Kanchan	24	Small tree with white/pink flowers
12	Michelia champaca	Sonchafa	63	Medium sized, evergreen, fragrance yellow flower
13	Grevillea robusts	Silver Oak	39	Evergreen tree
14	Azadiracta indica	Neem	31	Large evergreen medicinal tree
15	Bombax ceiba	Katesavar	12	Large tree with red flowers
16	Mimusop selengi	Bakul	65	Shady flowers with white small fragrant flower
17	Nyctanthes arbor-tristis	Prajakta	114	Small deciduous fast growing flowering tree
18	Lagerstroemia floregineae	Tamhan	39	Medium size tree with purple flowers

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

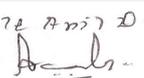
#### 46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	Areca Palm	750 c/c	11.7
2	Jatropha Integerrima	300 c/c	169.3
3	Pisonia tall edge	300 c/c	183.3
4	Schefflera Green	600 c/c	170.4
5	Thunberia erecta nana hedge	300 c/c	101.5

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6	Thornless pandanus	300c/c	49.8
7	Rhoeo spathacea	450 c/c	45.2
8	Lemonia spectabilis	450 c/c	80

### 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>	180 KVA, 25 KVA , 35 KVA
	<b>During Operation phase (Connected load):</b>	30456.7kW
	<b>During Operation phase (Demand load):</b>	19348.08kW
	<b>Transformer:</b>	13 Nos. X 630 KVA and 8 Nos. X 630 KVA, 6 Nos. 999 KVA, 6 Nos. 1250 KVA
	<b>DG set as Power back-up during operation phase:</b>	250 KVA - 2no. 160 KVA - 3 No. 125 KVA - 1 no., 500 KVA - 2 Nos. = 8 Nos. and 6 Nos. 320 kVA, 1 No. 160 kVA, 1 No. 125 kVA = 8 Nos.
	<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:

Auto Timer for external & common lighting  
 Use of CFL/LED lamps in all public/ common area  
 Solar powered water heating  
 Electronic V3F Drives for Elevator  
 Solar PV Panel power for common area lighting

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

Serial Number	Energy Conservation Measures	Saving %
1	Solar PV Panels : 360000 KWH / Annum	0.66
2	Timer Logic Controller : 1093467 KWH / Annum	1.99
3	Electronic V3F drive for Lifts : 69924 KWH / Annum	0.13
4	Solar Water Heater : 5951844KWH / Annum	10.84
5	Total energy saving 7475235.07KWh/annum	--
6	Total % of saving	13.61

### 50. Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Waste water	2 STP	3 STP
Solid waste	2 OWC	4 OWC

  
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<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs. 493.49 Lakhs
	<b>O &amp; M cost:</b>	Rs. 27.56 Lakhs/annum

## 51.Environmental Management plan Budgetary Allocation

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

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air & Noise Environment	Water for dust suppression, Air & Noise Monitoring	2.64
2	Water Environment	for construction + monitoring	6.6
3	Land	Site Sanitation- Mobile toilets	4.8
4	Biological	Gardening Set Up and top soil preservation	12
5	Socio- Economic Environment	Site sanitation	4.3

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

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	solid waste management	OWC	99.00	22.49
2	waste water management	STP	609.00	36.00
3	energy	solar savings	493.49	27.56
4	RWH system	Recharge pits	35.00	1.50
5	Landscape	Landscape	148.00	15.00
6	Basement dewatering for proposed phase	Basement dewatering for proposed phase	3.00	0.15
7	Environmental Monitoring	Environmental Monitoring	--	27.94
8	Swimming Pool	Swimming pool	139	13.9

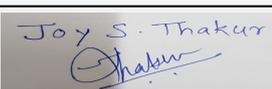
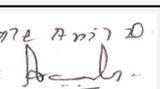
## 51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)

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

### 52.Any Other Information

No Information Available

### 53.Traffic Management

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	<b>Nos. of the junction to the main road &amp; design of confluence:</b>	Project is abutting to 18m road and junction known as Shivaji Chowk at North side, 24 m wide road at north side
<b>Parking details:</b>	<b>Number and area of basement:</b>	4 Nos., + Lower ground = 99591.58 m <sup>2</sup>
	<b>Number and area of podia:</b>	Stilt 23319.28 sq.m Podium : 3 nos. , 71063.75 sq.m
	<b>Total Parking area:</b>	193974.61 m <sup>2</sup>
	<b>Area per car:</b>	Basement: 35.09 m <sup>2</sup> Stilt/Podium: 31.75 m <sup>2</sup>
	<b>Area per car:</b>	Basement: 35.09 m <sup>2</sup> Stilt/Podium: 31.75 m <sup>2</sup>
	<b>Number of 2-Wheelers as approved by competent authority:</b>	12635 nos.
	<b>Number of 4-Wheelers as approved by competent authority:</b>	6053 nos.
	<b>Public Transport:</b>	Local conveyance available
	<b>Width of all Internal roads (m):</b>	6 m driveway
	<b>CRZ/ RRZ clearance obtain, if any:</b>	NA
	<b>Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries</b>	NA
	<b>Category as per schedule of EIA Notification sheet</b>	Schedule 8 (b), Category B1
	<b>Court cases pending if any</b>	NA
	<b>Other Relevant Informations</b>	NA
	<b>Have you previously submitted Application online on MOEF Website.</b>	Yes
	<b>Date of online submission</b>	26-02-2018

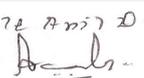
## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

<b>Environmental Impacts of the project</b>	-
<b>Water Budget</b>	-
<b>Waste Water Treatment</b>	-
<b>Drainage pattern of the project</b>	-

Joy S. Thakur  
  
**Joy S.Thakur (Secretary SEAC-III)**

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**Name:** K. Anil Kale  
**Signature:**   
**Shri. Anil Kale (Chairman SEAC-III)**

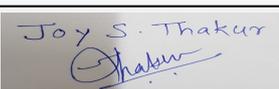
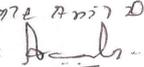
Ground water parameters	-
Solid Waste Management	-
Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues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

### Brief information of the project by SEAC

PP has submitted his application for prior Environmental clearance for total plot area of 177900 m<sup>2</sup>, FSI area of 411377.99 m<sup>2</sup>, Non FSI area of 395229.42 m<sup>2</sup> and total BUA of 806607.41m<sup>2</sup>.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B1.

### DECISION OF SEAC

 <b>Joy S.Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 93 Meeting Date: September 4, 2019</b>	<b>Page 35 of 133</b>	<b>Name: K. Anil Kale</b>  <b>Signature: Shri. Anil Kale (Chairman SEAC-III)</b>
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Committee informed PP to use model TOR available on the web site of MoEF&CC in addition to the points mentioned below for carrying out EIA studies:

**Additional terms of Reference for carrying out EIA studies**

**1. Project Description**

1. Project description, its importance and the benefits.
2. Project site details (location, topo-sheet of the study area of 10 Km, Coordinates, google map, layout map, land use, geological features and geo-hydrological status of the study area, drainage). Hydro-geological survey report with graphs & data.
3. Land use as per the approved Master Plan of the area, Permission/approvals required from the land owning agencies, Development Authorities, Local Body, Water supply & Sewerage Board, etc.
4. Land acquisition status, R & R details.
5. Forest and Wildlife and eco-sensitive zones, if any in the study area of 10 km. Any sensitive areas in impact zone such as archaeological structures, reserved forest, noise sensitive zones etc. Clearances required under the Forest (Conservation) Act, 1980, the Wildlife (Protection) Act, 1972 and/or the Environment (Protection) Act, 1986.
6. (G) High Tension wires if any on the plot.
7. (G) Plan showing HFL.
8. (G) Permissions granted by State Government in tabular and chronological form. Comparative statement of components approved and components constructed as per earlier EC (if applicable) and proposed development.
9. (G) PP to submit the detailed master plan indicating already completed construction and proposed construction. PP to submit the certificate from architect for completed work.

**2. Base Line Data**

10. (B) Baseline environmental study for ambient air (PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>, NO<sub>x</sub> & CO), water (both surface and ground), noise and soil as per MoEF&CC/CPCB guidelines at minimum 5 locations in the study area of 10 km, The collection and analysis of data shall be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1986, or an environmental laboratory duly notified under the Environment (Protection) Act, 1986, or an environmental laboratory accredited by NABL, or a laboratory of a Council of Scientific and Industrial Research (CSIR) institution working in the field of environment.
11. (C) Detail on flora and fauna and socio-economic aspects in the study area. Details of tree cutting, tree transplantation and survival report of existing trees.
12. (C) Likely impact of the project on the environmental parameters (ambient air surface and ground water, land, flora and fauna and socio-economic, etc.)
13. (B) Source of water for different identified purposes with the permissions required from the concerned authorities, both for surface water and the ground water (by CGWA) as the case may be, Rain water harvesting, etc.
14. (G) Socio-economic infrastructure details including public transport arrangements on the site; PP to mention details of socio-economic in EIA.
15. (G) PP to submit contour map with slopes, drainage pattern of the site and surrounding area. Layout showing natural water courses on site; total runoff calculation before and after development.
16. (C) PP to submit details of existing trees, proposed to be cut, proposed to be transplanted along with tree survival report.

**3. Traffic Impact Study in detail including:**

17. (V) Traffic Management Plan for the development - Internal circulation indicating road width and turning radius. Cross section of roads at four places showing clear road width, distance left from building line, spaces left for plantation, footpath, service lines etc.
18. (V) Traffic Volume Counts and Turning Movement Counts on all the external surrounding roads of the proposed project showing the time period taken.
19. (V) Topographic details of roads and intersection of the surrounding roads where counts are taken, actual geometry on ground to be shown with dimensions.
20. (V) Traffic generation values of similar development to be given by actual count by actual count as support data for assumption made to the particular project.
21. (V) Parking statement mentioning parking as per DCR & parking provided actually.
22. (V) Basement ventilation plan: Fire Tender Movement Plan showing clear road and turning radius. Cross section of roads at four places including UGT, OWC and DG set location showing clear road width and distance left from building line & spaces left for plantation, parking, service lines, foot paths, etc.

**4. Environmental Impact and Management Plan:**

23. (B) Identify sources of air pollution, indicate mitigation measures to reduce Air pollution/Noise pollution.
24. (G) Debris management plan including (a) debris required for refilling, (b) contour plan, (c) details of site where excess debris will be disposed, capacity of the site and NOC of plot owner. PP shall also ensure that debris disposed on other plot shall not be disposed on another plot. If to be disposed on another plot, the same shall be carried out as per prevailing environmental laws.
25. (B) Management of solid waste and the construction & demolition waste for the project vis-a-vis the Solid Waste Management Rules 2016 and the Construction & Demolition Rules, 2016. Transport, collection, storage and disposal for all types of wastes like hazardous waste, non-hazardous waste, solid waste, E- waste, and debris/excess earth etc. PP to provide the detailed solid waste management plan along with marked locations on the master plan. Design details of waste processing equipment such as OWC/biogas plants confirming to the technical requirements to meet the quality products.
26. (B) Waste water management (treatment, reuse and disposal) for the project and also the study area. Design of all STP's along with BOD load, oxygen requirement calculations and sizing of the tanks with respect to the design criteria. PP to submit detailed calculation for the disinfection of the treated STP water; PP to submit cross sectional drawing of STP's showing dimensions and ground level; PP to provide ozonation for tertiary treatment. PP to mark the area required for all STP's on master layout with dimensions
27. (J) PP to show internal storm water drain and sewer line arrangements up to final disposal point.
28. (C) Provision of mandatory RG area on virgin land and submit the drawing with calculations, ensuring entire mandatory RG is provided on the plot where residential buildings are proposed.
29. (G) A detailed phase wise development plan with safety planning where occupancy has been given.
30. (T) If any site specific structures such as creation of water body, alteration of natural storm water, large alteration of slopes, creation of green areas abutting to water bodies / natural storm water drain / river etc, is involved, detailed environmental protection approach for the same shall be provided.
31. (D) Separate chapter on Renewable energy in EIA report. PP to submit terrace plan for installing solar panels& calculations of energy saving; Energy efficient measures (LED lights, solar power, etc.) during construction as well as during operational phase of the project. Report on ECBC compliance.
32. (D) Provide details of Solar PV and Solar water heater in the specific format. PP to carryout shadow analysis for identifying the roof-top area for providing solar panels
33. (B) Environmental status report including analysis reports of all environmental pollution reduction facilities if any commissioned.
34. (K) PP to submit Disaster management plan.
35. (B) Preparation of site specific, executable and auditable environment management plan (EMP)

**5. Environmental Modelling and additional Studies:**

36. (B) Fugitive dust modelling by using local meteorological data.
37. (B) Ecological footprint calculation using LCA approach.
38. (B) Estimation of Carbon footprint of the project.
39. (B) Gate mass balance analysis for environmental parameters related to solid/liquid waste material coming to site, waste generated and its treatment and disposal from site.

**6. NOCs, Undertakings and CER:**

40. (T) NOC's required: a) CFO NOC, b)Water supply NOC with quantity, c) Drainage NOC, d) Non-biodegradable waste disposal.
41. (T) Undertaking to provide DG set backup to all Pollution Control Devices, Water Supply, Emergency Services including emergency lifts, etc.
42. (K) PP to submit details of CER activities in consultation with the affected people in the project area as per MoEF&CC circular dt. 01.05.2018, along with details of fund utilization & agreement or consent of executor.

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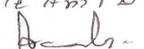
Specific Conditions by SEAC:

Joy S. Thakur  


**Joy S.Thakur (Secretary  
SEAC-III)**

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**Name: K 072 Anil D.**  
**Signature: **

**Shri. Anil Kale (Chairman  
SEAC-III)**

## FINAL RECOMMENDATION

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

SEAC-AGENDA-0000000321

Joy S. Thakur



Joy S.Thakur (Secretary  
SEAC-III)

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Name: K 072 Anil D.

Signature:



Shri. Anil Kale (Chairman  
SEAC-III)

## 93rd SEAC-3 Day 02

**SEAC Meeting number: 93 Meeting Date September 4, 2019**

**Subject:** Environment Clearance for Proposed amendment in environmental clearance of Residential Housing Scheme at Mamurdi , Pune Plot No 2 bearing S. No. 10/1A/3, 10/1B, 11/1A, 11/2A(P), 11/3, 11/4(P), 11/4/2, 11/1B, 12/1, 12/2/1, 12/2/2, 12/2/3, 13/2, 13/1B(P) at Taluka-Haveli, Village-Mamurdi, Pune, Maharashtra.

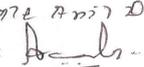
**Is a Violation Case:** No

<b>1.Name of Project</b>	Proposed amendment in environmental clearance of Residential Housing Scheme at Mamurdi , Pune Plot No 2 bearing S. No. 10/1A/3, 10/1B, 11/1A, 11/2A(P), 11/3, 11/4(P), 11/4/2, 11/1B, 12/1, 12/2/1, 12/2/2, 12/2/3, 13/2, 13/1B(P) at Taluka-Haveli, Village-Mamurdi, Pune, Maharashtra.X
<b>2.Type of institution</b>	Private
<b>3.Name of Project Proponent</b>	Godrej Skyline Developers Pvt Ltd.
<b>4.Name of Consultant</b>	Building Environment (India) Pvt Ltd
<b>5.Type of project</b>	Residential Development with convenient shopping
<b>6.New project/expansion in existing project/modernization/diversification in existing project</b>	Amendment in Existing Environmental Clearance
<b>7.If expansion/diversification, whether environmental clearance has been obtained for existing project</b>	Environmental Clearance has been obtained in 8th Jan,2018.
<b>8.Location of the project</b>	S. No. 10/1A/3, 10/1B, 11/1A, 11/2A(P), 11/3, 11/4(P), 11/4/2, 11/1B, 12/1, 12/2/1, 12/2/2, 12/2/3, 13/2, 13/1B(P)
<b>9.Taluka</b>	Haveli
<b>10.Village</b>	Mamurdi
<b>Correspondence Name:</b>	Godrej Skyline Developers Pvt Ltd. Godrej Eternia, 10th Floor, C wing, Wakdewadi, Shivaji Nagar, Pune: - 411005.
<b>Room Number:</b>	--
<b>Floor:</b>	10th Floor, C wing
<b>Building Name:</b>	Godrej Eternia,
<b>Road/Street Name:</b>	Wakdewadi,
<b>Locality:</b>	Shivaji Nagar
<b>City:</b>	Pune
<b>11.Whether in Corporation / Municipal / other area</b>	Pimpri Chinchwad Municipal Corporation (PCMC)
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	Applied. B.P./EC/Layout / Mamurdi /02/2018 Dt.- 03-11-2018 <b>IOD/IOA/Concession/Plan Approval Number:</b> Applied. B.P./EC/Layout / Mamurdi /02/2018 Dt.- 03-11-2018 <b>Approved Built-up Area:</b> 387779.43
<b>13.Note on the initiated work (If applicable)</b>	Construction Not Yet started
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	B.P./EC/Layout / Mamurdi /02/2018 Dt.- 03-11-2018
<b>15.Total Plot Area (sq. m.)</b>	144812.97 m2
<b>16.Deductions</b>	16,389.05 m2
<b>17.Net Plot area</b>	1,28,423.92 m2
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> 2,47,549.38 m2 <b>b) Non FSI area (sq. m.):</b> 2,36,463.03 m2 <b>c) Total BUA area (sq. m.):</b> 484012.41
<b>18 (b).Approved Built up area as per DCR</b>	<b>Approved FSI area (sq. m.):</b> 2,47,549.38 m2 <b>Approved Non FSI area (sq. m.):</b> 2,36,463.03 m2 <b>Date of Approval:</b> 18-04-2018
<b>19.Total ground coverage (m2)</b>	39,879.00 m2.

  
**Joy S.Thakur (Secretary SEAC-III)**

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20. Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	(31.00%)
21. Estimated cost of the project	11122000000

## 22. Number of buildings & its configuration

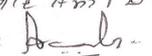
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Phase-1: Tower-1 to Tower-5 5 Towers	P1+P2+P3+19	69.95 mt.
2	Club House 1	G+1	4.65 mt.
3	Phase-2: Tower-6 to Tower-11 5 Towers	P1+P2+P3+19	69.95 mt.
4	Club House 2	G+1	8.00 mt.
5	Phase-3: Tower-12 to Tower-17 5 Towers	P1+P2+P3+19	69.95 mt.
6	Club House 3	G+1	8.00 mt.
7	EWS Bldg. 1 Bldg.	P1+21	69.95 mt.
8	Master Club House	P1+P2+P3+4	35.00 mt.

23. Number of tenants and shops	No of Tenants: 3176 No of Shops: 150
24. Number of expected residents / users	Residents: 15880 Commercial: 450
25. Tenant density per hectare	250
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 m.
28. Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29. Existing structure (s) if any	No
30. Details of the demolition with disposal (If applicable)	Not applicable

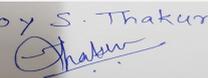
## 31. Production Details

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

## 32. Total Water Requirement

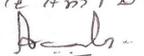
 <b>Joy S. Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 93 Meeting Date: September 4, 2019</b>	<b>Page 39 of 133</b>	<b>Name: K. Anil Kale</b>  <b>Shri. Anil Kale (Chairman SEAC-III)</b>
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<b>Dry season:</b>	<b>Source of water</b>	PCMC / Tanker / STP Treated Sewage		
	<b>Fresh water (CMD):</b>	Phase-1:351.00 Phase-2:449.00 Phase-3:450.00 EWS:234.00 Club House:46.00 Total:1530.00		
	<b>Recycled water - Flushing (CMD):</b>	Phase-1:172.00 Phase-2:220.00 Phase-3:221.00 EWS:118.00 Club House:28.00 Total:759.00		
	<b>Recycled water - Gardening (CMD):</b>	Phase-1:23.00 Phase-2:60.00 Phase-3:64.00 EWS: Club House:4.00 Total:151.00		
	<b>Swimming pool make up (Cum):</b>	Phase-1:11.50 Phase-2: 11.50 Phase-3: 11.50 EWS:-- Club House: 11.50 Total:46.00		
	<b>Total Water Requirement (CMD) :</b>	Phase-1:557.50 Phase-2: 740.50 Phase-3: 746.50 EWS: 352.00 Club House: 89.50 Total:2486.00		
	<b>Fire fighting - Underground water tank(CMD):</b>	400Cu.m capacity U.G fire tank required for Phase-1. 600Cu.m capacity U.G fire tank required for Phase-2. 600Cu.m capacity U.G fire tank required for Phase-3. 200Cu.m capacity U.G fire tank required for EWS. 100Cu.m capacity U.G fire tank required for Club		
	<b>Fire fighting - Overhead water tank(CMD):</b>	5 Nos. of 10Cu.m capacity O.H fire tank required for Phase-1. 6 Nos. of 10Cu.m capacity O.H fire tank required for Phase-2. 6 Nos. of 10Cu.m capacity O.H fire tank required for Phase-3. 2 Nos. of 10Cu.m capacity O.H fire tank required for EWS. 1 Nos. of 5Cu.m capacity O.H fire tank required for Club		
	<b>Excess treated water</b>	Phase-1:243.00 Phase-2: 282.00 Phase-3: 279.00 EWS:183.00 Club House: 23.00 Total:1010.00		
<b>Wet season:</b>	<b>Source of water</b>	PCMC / Tanker / STP Treated Sewage		
	<b>Fresh water (CMD):</b>	Phase-1:351.00 Phase-2:449.00 Phase-3:450.00 EWS:234.00 Club House:46.00 Total:1530.00		
	<b>Recycled water - Flushing (CMD):</b>	Phase-1:172.00 Phase-2:220.00 Phase-3:221.00 EWS:118.00 Club House:28.00 Total:759.00		
	<b>Recycled water - Gardening (CMD):</b>	--		
	<b>Swimming pool make up (Cum):</b>	Phase-1:11.50 Phase-2: 11.50 Phase-3: 11.50 EWS:-- Club House: 11.50 Total:46.00		
	<b>Total Water Requirement (CMD) :</b>	Phase-1:534.00 Phase-2: 680.50 Phase-3: 682.50 EWS:352.00 Club House: 85.50 Total:2335.00		
	<b>Fire fighting - Underground water tank(CMD):</b>	400Cu.m capacity U.G fire tank required for Phase-1. 600Cu.m capacity U.G fire tank required for Phase-2. 600Cu.m capacity U.G fire tank required for Phase-3. 200Cu.m capacity U.G fire tank required for EWS. 100Cu.m capacity U.G fire tank required for Club		
	<b>Fire fighting - Overhead water tank(CMD):</b>	5 Nos. of 10Cu.m capacity O.H fire tank required for Phase-1. 6 Nos. of 10Cu.m capacity O.H fire tank required for Phase-2. 6 Nos. of 10Cu.m capacity O.H fire tank required for Phase-3. 2 Nos. of 10Cu.m capacity O.H fire tank required for EWS. 1 Nos. of 5Cu.m capacity O.H fire tank required for Club		
	<b>Excess treated water</b>	Phase-1:266.00 Phase-2: 342.00 Phase-3: 343.00 EWS:183.00 Club House: 27.00 Total:1161.00		
<b>Details of Swimming pool (If any)</b>	Pool No. 1: 25.00 m x 10.00 m Pool No. 2: 25.00 m x 10.00 m Pool No. 3: 25.00 m x 10.00 m Pool No. 4: 25.00 m x 10.00 m			
<b>33.Details of Total water consumed</b>				
<b>Particulars</b>	<b>Consumption (CMD)</b>	<b>Loss (CMD)</b>	<b>Effluent (CMD)</b>	

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Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable								

<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	7.00 mt
	<b>Size and no of RWH tank(s) and Quantity:</b>	--
	<b>Location of the RWH tank(s):</b>	--
	<b>Quantity of recharge pits:</b>	Phase-1:12.00; Phase-2: 46.00, Phase-3: 14.00; EWS:39.00; Club House: 7.00
	<b>Size of recharge pits :</b>	2m Dia. and 2.5m effective depth.
	<b>Budgetary allocation (Capital cost) :</b>	60.00 L
	<b>Budgetary allocation (O &amp; M cost) :</b>	6L
	<b>Details of UGT tanks if any :</b>	--

<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	South-west
	<b>Quantity of storm water:</b>	Outfall-1 = 151.3 L/s Outfall-2 = 590 L/s Outfall-3 = 176.7 L/s Outfall-4 = 506.1 L/s Outfall-5 = 85.4 L/s
	<b>Size of SWD:</b>	SWD of Outfall-1 = 0.6m(W) x 0.6m(D) SWD of Outfall-2 = 0.9m(W) x 0.8m(D) SWD of Outfall-3 = 0.5m(W) x 0.7m(D) SWD of Outfall-4 = 0.7m(W) x 0.9m(D) SWD of Outfall-5 = 0.4m(W) x 0.6m(D)

<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	Phase-1:461.00; Phase-2: 592.00, Phase-3: 594.00; EWS:317.00; Club House: 57.00 Total:2021.00
	<b>STP technology:</b>	MBBR
	<b>Capacity of STP (CMD):</b>	Phase-1:465.00; Phase-2: 595.00, Phase-3: 595.00; EWS:320.00; Club House: 60.00
	<b>Location &amp; area of the STP:</b>	underground
	<b>Budgetary allocation (Capital cost):</b>	170.00 L
	<b>Budgetary allocation (O &amp; M cost):</b>	70.00 L

### 36.Solid waste Management

<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	1.55T/D
	<b>Disposal of the construction waste debris:</b>	From waste generation from proposed development 30% will be recycled on site & remaining will be handed over to Authorised Recycles as per C&D waste Management Rule,2016
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	Phase 1 - 1142.00Kg/day Phase 2 - 1467.00Kg/day Phase 3 - 1471.00Kg/day EWS - 784.00Kg/day Club House - 167.00 Kg/day Total:5031.00 Kg/day
	<b>Wet waste:</b>	Phase 1 -794.00Kg/day Phase 2 - 1017.00Kg/day Phase 3 - 1020.00Kg/day EWS - 548.00Kg/day Club House - 124.00 Kg/day Total:3503.00 Kg/day
	<b>Hazardous waste:</b>	will be handed over as per Hazardous Waste Management & Handling Rule,2016
	<b>Biomedical waste (If applicable):</b>	Not applicable
	<b>STP Sludge (Dry)</b>	

<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Will be handed over to SWaCH
	<b>Wet waste:</b>	Will be treated in OWC
	<b>Hazardous waste:</b>	will be handed over as per Hazardous Waste Management & Handling Rule,2016
	<b>Biomedical waste (If applicable):</b>	Not applicable
	<b>STP Sludge (Dry sludge):</b>	Will be used as soil conditioner
	<b>Others if any:</b>	--
<b>Area requirement:</b>	<b>Location(s):</b>	Layout showing location is attached
	<b>Area for the storage of waste &amp; other material:</b>	Phase 1 -54.00 m2 Phase 2 - 51.00 m2 Phase 3 - 51.00 m2 EWS - 54.00 m2 Club House -40.00 sq.m
	<b>Area for machinery:</b>	--
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	120.00 L
	<b>O &amp; M cost:</b>	12.00 L

### 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						

### 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

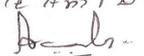
Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable

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>	20845.00 m2
	<b>No of trees to be cut :</b>	Trees may be transplanted:452Nos. Trees may be retained:156 Nos.
	<b>Number of trees to be planted :</b>	New:1247 Nos. Total: 1855 Nos..
	<b>List of proposed native trees :</b>	Attached
	<b>Timeline for completion of plantation :</b>	Till the completion of the project.

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Grevillea robusta	Silver Oak	75	Fast growing evergreen tree
2	Polyalthia longifolia	Ashoka	20	Evergreen, slender, medicinal property
3	Dalbergia sissoo	Sheesham	50	Flowering and shade giving
4	Tamarindus indica	Imli	40	Large evergreen shade giving tree
5	Terminalia arjuna	Arjun	50	Flowering and shade giving
6	Delonix regia	Gulmohar	22	Flowering tree, ornamental
7	Lagerstroemia indica	Pride of India	35	Flowering, ornamental
8	Albizia saman	Rain Tree	30	Deciduous, flowering, ornamental
9	Callistemon lanceolatus	Bottle brush	20	The leaves are a tea substitute and have a delightfully refreshing flavour.
10	Salix babylonica	Weeping willow / Peking willow	15	Drooping character, suited to wet habitats
11	Salix tetrasperma	Indian willow	25	Drooping character, suited to wet habitats
12	Acacia auriculiformis	Australian Blackwood	40	Evergreen ornamental tree with dense foliage
13	Ailanthus excelsa	Maharukh	30	Tall Deciduous tree
14	Albizia lebbek	Siris	35	Shade and timber tree
15	Azadirachta indica	Neem	21	Shade giving, medicinal property
16	Ficus infectoria	Pilkhan	30	Seasonal variation in the canopy, shade
17	Syzygium cumini	Jamun	17	Fruit tree, shade giving
18	Peltophorum ferrugineum	Copper pod	28	Flowering ornamental tree
19	Pongamia glabra	Indian beech	15	Flowering ornamental tree
20	Tamarix articulate	Salt cedar	9	Feather like foliage, suited to wet habitats, bird foraging and nesting
21	Ficus bengalensis	Banyan	17	Evergreen, shade giving
22	Cassia fistula	Amaltas	18	Flowering tree, ornamental
23	Bombax ceiba	Silk cotton tree	25	Deciduous flowering tree
24	Cassia nodosa	Pink javanica	22	Flowering, ornamental
25	Jacaranda mimosaeifolia	Neeli gulmohar	25	Deciduous, flowering, ornamental

  
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26	Chorisia speciosa	Pink silk floss	20	Flowering, ornamental
27	Mimusops elengi	Maulsari	15	Evergreen, shade giving
28	Kigelia pinnata	Sausage tree	17	Evergreen, shade giving, flowering
29	Erythrina indica	Indian Coral tree	25	Flowering, ornamental
30	Bauhinia blakeana/variegata	Kachnar	30	Flowering, ornamental, interesting leaf form
31	Plumeria alba	Champa	35	Medium sized flowering tree
32	Schleichera oleosa	Kusum	15	Flowering, medicinal property
33	Alstonia scholaris	Saptaparini	45	Shade giving, flowering, fragrant flowers
34	Terminalia mantaly	Madagascar almond	26	Horizontal branching pattern
35	Tabebuia rosea	Pink trumpet tree	40	Flowering, ornamental
36	Crataeva religiosa	Barna	40	Tall, shade giving, flowering tree
37	Madhuca longifolia	Mahua	30	Flowering, ornamental
38	Phoenix sylvestris	Sugar date palm	20	Tall, ornamental
39	Roystonea regia	Royal palm	20	Tall, ornamental
40	Washingtonia filifera	California palm	20	Tall, ornamental
41	Phoenix canariensis	Canary Island palm	20	Tall, ornamental
42	Phoenix dactylifera	Date Palm	30	Tall, ornamental
43	Ficus benjamina	Weeping fig	40	Evergreen, dense foliage, screening
44	New Trees to be planted	--	1247	--
45	Trees to be retained & Transplanted	--	608	--
46	Total	--	1855	--

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

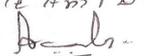
**46.Number and list of shrubs and bushes species to be planted in the podium RG:**

Serial Number	Name	C/C Distance	Area m2
1	Thevetia Peruviana	1.8	112
2	Thespesia populnea	2	178
3	Vitex negundo	0.5	67
4	Caesalpinia pulcherrima	0.45	70
5	Calliandra haematocephala	1.8	170
6	Euphorbia pulcherrima	1.8	180
7	Mussaenda	2	165
8	Justicia	0.5	89
9	Ixora chinensis, singaporensis	0.6	312
10	Franciscea latifolia	1.5	112
11	Hamelia patens	0.75	218
12	Clerodendrum inerme	0.6	190
13	Alocasia macrorrhiza	0.6	118
14	Alpinia zerumbet variegata	0.45	90
15	Codiaeum variegatum	0.75	218

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16	Dracaena reflexa	0.75	78
17	Duranta plumerei	0.45	235
18	Duranta plumerei	0.45	235
19	Galphimia nitida	0.6	190
20	Jatropha panduraefolia	1.8	210
21	Russellia juncea	0.75	100
22	Schefflera arboricola	0.6	127
23	Tecoma stans	1.8	318
24	Tabernaemontana variegated	1	90
25	Yucca aloifolia	0.75	68
26	Bouganvillea	1.5	150

### 47. Energy

<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	300KW
	<b>DG set as Power back-up during construction phase</b>	2x200KVA
	<b>During Operation phase (Connected load):</b>	23630.13 kVA
	<b>During Operation phase (Demand load):</b>	8337.49 kVA
	<b>Transformer:</b>	17Nos.630kVA 22kV/433V Transformer and 1No. of 200kVA 22kV/433V Transformer
	<b>DG set as Power back-up during operation phase:</b>	1No of 750kVA, 2No of 1010kVA each, 1No of 250 kVA, and 1No of 200kVA
	<b>Fuel used:</b>	Diesel
	<b>Details of high tension line passing through the plot if any:</b>	--

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

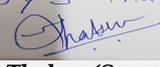
Solar WATER Heater & Lighting will be provided solar Photovoltaic (90kWp) onsite power generation-143664kWh savings, Solar Hot Water-3,40,000kWh savings-13.80%

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

Serial Number	Energy Conservation Measures	Saving %
1	Saving through Renewable energy	9.19
2	Total energy	13.80

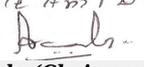
### 50. Details of pollution control Systems

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

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Soil & Land	Not applicable	OWC
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	1000.00
	<b>O &amp; M cost:</b>	--

## 51.Environmental Management plan Budgetary Allocation

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

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Dust pollution	Water spray for dust suppression	5.0
2	EHS	Site sanitation and Potable Water Supply to Labour	10.0
3	Environment monitoring	Environmental Monitoring (As per the CPCB guidelines through MoEF Approved laboratories)	4.0
4	EHS	Health check-up & first aid	5.0
5	Safety	Safety Personal Protective Equipment (Helmets, Safety Shoes, Safety Belt, Goggles, Hand Gloves etc.)	12.0
6	Traffic Management	Traffic Management (Sign Boards, Persons at entry exit and Parking area)	4.0
7	Safety	Safety nets	25.0
8	Storm water Management	Storm water Management (SWD along plot boundary and Sedimentation Pits)	4.0
9	Safety	Passenger lift	3.77
10	Vehicle maintenance	Tyre cleaning and Vehicle maintenance	4.0
11	Safety Training	Safety Training to Workers (Twice in Year), Safety Officer	8.0
12	Safety	Disinfection	3.0
13	Waste Management	Debris & construction waste	45.72

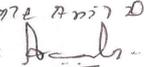
### b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP	MBBR	170.00	70.00
2	RWH	Recharge Pits	60.00	6.00
3	Landscape	--	70.00	15.00

  
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4	SWM	OWC	120.00	12.00
5	Energy Saving	--	1000.00	--
6	DMP	--	3743.00	347.00

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

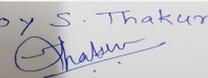
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 52.Any Other Information

No Information Available

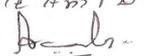
### 53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	2
Parking details:	Number and area of basement:	Not applicable
	Number and area of podia:	3 Podiums
	Total Parking area:	--
	Area per car:	--
	Area per car:	--
	Number of 2-Wheelers as approved by competent authority:	Required: 4(W): 1674 Nos. Scooter: 5885 Nos. Cycle: 5739 Nos.
	Number of 4-Wheelers as approved by competent authority:	4(W): 3231 Nos. Scooter: 5885 Nos. Cycle: 5739 Nos.
	Public Transport:	--
	Width of all Internal roads (m):	9.00 mt
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	--
	Category as per schedule of EIA Notification sheet	Townships and Area Development projects 8(b); Category: B

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	<b>Court cases pending if any</b>	No
	<b>Other Relevant Informations</b>	--
	<b>Have you previously submitted Application online on MOEF Website.</b>	Yes
	<b>Date of online submission</b>	08-06-2018

## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

### Brief information of the project by SEAC

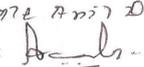
PP has submitted his application for prior Environmental clearance for total plot area of 144812.97 m<sup>2</sup>, FSI area of 2,47,549.38 m<sup>2</sup>, Non FSI area of 2,36,463.03m<sup>2</sup> and total BUA of 484012.41m<sup>2</sup>.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(b)B1.

  
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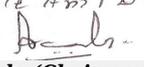
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**DECISION OF SEAC**

SEAC-AGENDA-0000000321

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Committee informed PP to use model TOR available on the web site of MoEF&CC in addition to the points mentioned below for carrying out EIA studies:

**Additional terms of Reference for carrying out EIA studies**

**1. Project Description**

1. Project description, its importance and the benefits.
2. Project site details (location, topo-sheet of the study area of 10 Km, Coordinates, google map, layout map, land use, geological features and geo-hydrological status of the study area, drainage). Hydro-geological survey report with graphs & data.
3. Land use as per the approved Master Plan of the area, Permission/approvals required from the land owning agencies, Development Authorities, Local Body, Water supply & Sewerage Board, etc.
4. Land acquisition status, R & R details.
5. Forest and Wildlife and eco-sensitive zones, if any in the study area of 10 km. Any sensitive areas in impact zone such as archaeological structures, reserved forest, noise sensitive zones etc. Clearances required under the Forest (Conservation) Act, 1980, the Wildlife (Protection) Act, 1972 and/or the Environment (Protection) Act, 1986.
6. (G) High Tension wires if any on the plot.
7. (G) Plan showing HFL.
8. (G) Permissions granted by State Government in tabular and chronological form. Comparative statement of components approved and components constructed as per earlier EC (if applicable) and proposed development.
9. (G) PP to submit the detailed master plan indicating already completed construction and proposed construction. PP to submit the certificate from architect for completed work

**2. Base Line Data**

10. (B) Baseline environmental study for ambient air (PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>, NO<sub>x</sub> & CO), water (both surface and ground), noise and soil as per MoEF&CC/CPCB guidelines at minimum 5 locations in the study area of 10 km, The collection and analysis of data shall be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1986, or an environmental laboratory duly notified under the Environment (Protection) Act, 1986, or an environmental laboratory accredited by NABL, or a laboratory of a Council of Scientific and Industrial Research (CSIR) institution working in the field of environment.
11. (C) Detail on flora and fauna and socio-economic aspects in the study area. Details of tree cutting, tree transplantation and survival report of existing trees.
12. (C) Likely impact of the project on the environmental parameters (ambient air surface and ground water, land, flora and fauna and socio-economic, etc.)
13. (B) Source of water for different identified purposes with the permissions required from the concerned authorities, both for surface water and the ground water (by CGWA) as the case may be, Rain water harvesting, etc.
14. (G) Socio-economic infrastructure details including public transport arrangements on the site; PP to mention details of socio-economic in EIA.
15. (G) PP to submit contour map with slopes, drainage pattern of the site and surrounding area. Layout showing natural water courses on site; total runoff calculation before and after development.
16. (C) PP to submit details of existing trees, proposed to be cut, proposed to be transplanted along with tree survival report

**3. Traffic Impact Study in detail including:**

17. (V) Traffic Management Plan for the development - Internal circulation indicating road width and turning radius. Cross section of roads at four places showing clear road width, distance left from building line, spaces left for plantation, footpath, service lines etc.
18. (V) Traffic Volume Counts and Turning Movement Counts on all the external surrounding roads of the proposed project showing the time period taken.
19. (V) Topographic details of roads and intersection of the surrounding roads where counts are taken, actual geometry on ground to be shown with dimensions.
20. (V) Traffic generation values of similar development to be given by actual count by actual count as support data for assumption made to the particular project.
21. (V) Parking statement mentioning parking as per DCR & parking provided actually.
22. (V) Basement ventilation plan: Fire Tender Movement Plan showing clear road and turning radius. Cross section of roads at four places including UGT, OWC and DG set location showing clear road width and distance left from building line & spaces left for plantation, parking, service lines, foot paths, etc.

**4. Environmental Impact and Management Plan:**

23. (B) Identify sources of air pollution, indicate mitigation measures to reduce Air pollution/Noise pollution.
24. (G) Debris management plan including (a) debris required for refilling, (b) contour plan, (c) details of site where excess debris will be disposed, capacity of the site and NOC of plot owner. PP shall also ensure that debris disposed on other plot shall not be disposed on another plot. If to be disposed on another plot, the same shall be carried out as per prevailing environmental laws.
25. (B) Management of solid waste and the construction & demolition waste for the project vis-a-vis the Solid Waste Management Rules 2016 and the Construction & Demolition Rules, 2016. Transport, collection, storage and disposal for all types of wastes like hazardous waste, non-hazardous waste, solid waste, E- waste, and debris/excess earth etc. PP to provide the detailed solid waste management plan along with marked locations on the master plan. Design details of waste processing equipment such as OWC/biogas plants confirming to the technical requirements to meet the quality products.
26. (B) Waste water management (treatment, reuse and disposal) for the project and also the study area. Design of all STP's along with BOD load, oxygen requirement calculations and sizing of the tanks with respect to the design criteria. PP to submit detailed calculation for the disinfection of the treated STP water; PP to submit cross sectional drawing of STP's showing dimensions and ground level; PP to provide ozonation for tertiary treatment. PP to mark the area required for all STP's on master layout with dimensions
27. (J) PP to show internal storm water drain and sewer line arrangements up to final disposal point.
28. (C) Provision of mandatory RG area on virgin land and submit the drawing with calculations, ensuring entire mandatory RG is provided on the plot where residential buildings are proposed.
29. (G) A detailed phase wise development plan with safety planning where occupancy has been given.
30. (T) If any site specific structures such as creation of water body, alteration of natural storm water, large alteration of slopes, creation of green areas abutting to water bodies / natural storm water drain / river etc, is involved, detailed environmental protection approach for the same shall be provided.
31. (D) Separate chapter on Renewable energy in EIA report. PP to submit terrace plan for installing solar panels& calculations of energy saving; Energy efficient measures (LED lights, solar power, etc.) during construction as well as during operational phase of the project. Report on ECBC compliance.
32. (D) Provide details of Solar PV and Solar water heater in the specific format. PP to carryout shadow analysis for identifying the roof-top area for providing solar panels
33. (B) Environmental status report including analysis reports of all environmental pollution reduction facilities if any commissioned.
34. (K) PP to submit Disaster management plan.
35. (B) Preparation of site specific, executable and auditable environment management plan (EMP)

**5. Environmental Modelling and additional Studies:**

36. (B) Fugitive dust modelling by using local meteorological data.
37. (B) Ecological footprint calculation using LCA approach.
38. (B) Estimation of Carbon footprint of the project.
39. (B) Gate mass balance analysis for environmental parameters related to solid/liquid waste material coming to site, waste generated and its treatment and disposal from site.

**6. NOCs, Undertakings and CER:**

40. (T) NOC's required: a) CFO NOC, b)Water supply NOC with quantity, c) Drainage NOC, d) Non-biodegradable waste disposal.
41. (T) Undertaking to provide DG set backup to all Pollution Control Devices, Water Supply, Emergency Services including emergency lifts, etc.
42. (K) PP to submit details of CER activities in consultation with the affected people in the project area as per MoEF&CC circular dt. 01.05.2018, along with details of fund utilization & agreement or consent of executor.

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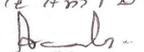
Specific Conditions by SEAC:

Joy S. Thakur  


**Joy S.Thakur (Secretary  
SEAC-III)**

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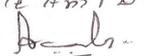
**Name: K 072 Anil D.**  
**Signature: **

**Shri. Anil Kale (Chairman  
SEAC-III)**

## FINAL RECOMMENDATION

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

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 <b>Joy S.Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 93 Meeting Date: September 4, 2019</b>	<b>Page 51 of 133</b>	<b>Name: K 072 Anil D.</b>  <b>Signature: Shri. Anil Kale (Chairman SEAC-III)</b>
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## 93rd SEAC-3 Day 02

**SEAC Meeting number: 93 Meeting Date September 4, 2019**

**Subject:** Environment Clearance for Application for Environmental Clearance for Expansion in "45 Nirvana Hills (Vihar)" proposed SRA, Residential & Commercial project on plot bearing S. No. 44/1, Village -Erandwane, Tal. Haveli, Dist. Pune, Maharashtra by M/s Kumar Sinew Developers Pvt. Ltd.

**Is a Violation Case:** No

<b>1.Name of Project</b>	Expansion in "45 Nirvana Hills (Vihar)" proposed SRA, Residential & Commercial project on plot bearing S. No. 44/1, Village -Erandwane, Tal. Haveli, Dist. Pune, Maharashtra by M/s Kumar Sinew Developers Pvt. Ltd.
<b>2.Type of institution</b>	Private
<b>3.Name of Project Proponent</b>	M/s Kumar Sinew Developers Pvt. Ltd. Miss. Krutikumar LalitKumar Jain
<b>4.Name of Consultant</b>	Mahabal Enviro Engineers Pvt. Ltd., Thane, Maharashtra
<b>5.Type of project</b>	SRA, Residential & Commercial project
<b>6.New project/expansion in existing project/modernization/diversification in existing project</b>	Expansion in existing project
<b>7.If expansion/diversification, whether environmental clearance has been obtained for existing project</b>	We have received Environment Clearance File No SEAC -2010/CR.494/TC.2 on dated 28/02/2011, EC amendment in area file no SEAC-2010/CR.494/TC.2 dated 30/03/2015 and EC revalidated having file no SEIAA-EC-0000000446 dated 18.09.2018
<b>8.Location of the project</b>	S. No. 44/1, Erandwane
<b>9.Taluka</b>	Haveli
<b>10.Village</b>	Erandwane
<b>Correspondence Name:</b>	M/s Kumar Sinew Developers Pvt. Ltd.
<b>Room Number:</b>	362/3A
<b>Floor:</b>	10th floor
<b>Building Name:</b>	Kumar Business Centre
<b>Road/Street Name:</b>	Bund Garden road
<b>Locality:</b>	Pune
<b>City:</b>	Pune -411001
<b>11.Whether in Corporation / Municipal / other area</b>	Pune Municipal Corporation (PMC)
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	We have received approval from SRA, letter dated 02.02.2019 vide no. SRA/308/2019 <b>IOD/IOA/Concession/Plan Approval Number:</b> SRA/308/2019 dated 02.02.2019 <b>Approved Built-up Area:</b> 841470
<b>13.Note on the initiated work (If applicable)</b>	Construction of A1, A2, A3, A4, A5, A7, A8, A9, A11, A12 buildings are completed & construction of A10, C1 & C2 are in process as per EC.
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	We have received approval from SRA, letter dated 02.02.2019 vide no. SRA/308/2019
<b>15.Total Plot Area (sq. m.)</b>	3,03,708 m2
<b>16.Deductions</b>	1,38,713 m2
<b>17.Net Plot area</b>	1,64,995 m2
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> 8,41,470 m2
	<b>b) Non FSI area (sq. m.):</b> 5,62,842 m2
	<b>c) Total BUA area (sq. m.):</b> 1404312
<b>18 (b).Approved Built up area as per DCR</b>	<b>Approved FSI area (sq. m.):</b> 8,41,470 m2
	<b>Approved Non FSI area (sq. m.):</b> 5,62,842 m2
	<b>Date of Approval:</b> 02-02-2019
<b>19.Total ground coverage (m2)</b>	70,241 m2
<b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>	42.6%
<b>21.Estimated cost of the project</b>	2200000000

  
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**Signature:**   
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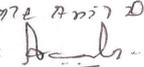
## 22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A Type Building (Existing)	-	-
2	Building A1 & A2	G+6 floors	20.30
3	Building A3 & A4	G+6 floors	20.30
4	Building A5, A7 & A8	G+7 floors	23.20
5	Building A9	G+7 floors	25.52
6	Rehabilitation buildings (A10 to A40) (RGP + Kalewadi + Rautwadi + Hanumangar)	-	-
7	Building A10	P+7 floors	23.20
8	Building A11 & A12	P+12 floors	37.88
9	Building A13	G+4 floors	14.90
10	Building A14	P+12 floors	37.70
11	Building A15 - A29	P+13 floors	40.60
12	Building A30 - A40	P+12 floors	37.70
13	Free sale buildings	-	-
14	Building C1, C2	B+8P+LG+UG+21 floor	99.95
15	Building C3, C4	B+LG+UP+3P+27 floor	99.95
16	MALL Building B1	2B+G+2 floor	21
17	Residential above Mall Building	-	-
18	B1 (A)	2B+G+2+2P+35 floor	136.68
19	B1 (B)	2B+G+2+2P+35 floor	136.68
20	B1 (C)	2B+G+2+2P+35 floor	136.68
21	Commercial above Mall building	-	-
22	B1 (D)	2B+G+2+3P+27 floor	133.09
23	B1 (E)	2B+G+2+3P+27 floor	133.09
24	B1 (F)	2B+G+2+3P+27 floor	133.09
25	B1 (G)	2B+G+2+3P+27 floor	133.09
26	Free sale residential building	-	-
27	F1, F2	G+2P+39 floor	124.4
28	F3, F4	G+2P+38 floor	121.5
29	Commercial building	-	-
30	E	B+G+2P+5 floor	28.7
31	B3	2P+10 floor	39.6
32	B2	B+G+4P+14 floor	68.4
33	Residential building-D	8P+41 floor	148.9
34	Club House 1	G+1	8.1
35	Club House 6	G+1	9
36	Club House 8	G+1	8.1
37	Club House 9	G+1	9
38	Club House10	G+1	8.1
39	Total	-	Tenement-9,338 Shop & offices-3,648

  
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<b>23.Number of tenants and shops</b>	No. of Tenements-9,338 nos. No. of Shops & offices-3,648 nos.
<b>24.Number of expected residents / users</b>	Residential population - 46,605 nos. Commercial population - 28,457 nos. Total population - 75,062 nos.
<b>25.Tenant density per hectare</b>	566 tenants/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>	15 m wide DP road
<b>28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation</b>	Internal road - 6 m & 15 m Turning radius - 9 m & 12 m
<b>29.Existing structure (s) if any</b>	School, Hospital & 4,500 nos. of slum housing are existing on site.
<b>30.Details of the demolition with disposal (If applicable)</b>	4,500 nos. of slum housing.13,500 m3 demolition quantity will be generated.

### 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>	Pune Municipal corporation
	<b>Fresh water (CMD):</b>	4,905
	<b>Recycled water - Flushing (CMD):</b>	2,667
	<b>Recycled water - Gardening (CMD):</b>	129
	<b>Swimming pool make up (Cum):</b>	NA
	<b>Total Water Requirement (CMD) :</b>	7572
	<b>Fire fighting - Underground water tank(CMD):</b>	2,051 m3
	<b>Fire fighting - Overhead water tank(CMD):</b>	628 m3
	<b>Excess treated water</b>	3,676

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*Thakur*  
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**Signature:** *Anil Kale*  
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Wet season:	Source of water	Pune Municipal corporation
	Fresh water (CMD):	4,905
	Recycled water - Flushing (CMD):	2,667
	Recycled water - Gardening (CMD):	65
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	7572
	Fire fighting - Underground water tank(CMD):	2,051 m3
	Fire fighting - Overhead water tank(CMD):	628 m3
	Excess treated water	3,740

Details of Swimming pool (If any)

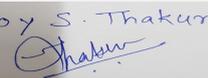
NA

### 33.Details of Total water consumed

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

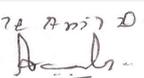
34.Rain Water Harvesting (RWH)

Level of the Ground water table:	15-20 m BGL
Size and no of RWH tank(s) and Quantity:	2 nos. of RWH tanks with quantities of 250 m3 and 570 m3
Location of the RWH tank(s):	As per master plan
Quantity of recharge pits:	37 Nos.
Size of recharge pits :	1.5 m x 1.5 m x 1.5 m
Budgetary allocation (Capital cost) :	Rs. 58 Lakh
Budgetary allocation (O & M cost) :	Rs. 2 Lakh/year
Details of UGT tanks if any :	Drinking UG Tank Capacity: 1,157 m3 Domestic UG tank Capacity: 3,673 m3 Fire Fighting tank: 2,051 m3

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<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	As per contour plan
	<b>Quantity of storm water:</b>	3 m3/sec
	<b>Size of SWD:</b>	450 mm x 300 mm (At initial level)
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	6,813 m3/day
	<b>STP technology:</b>	MBBR Technology
	<b>Capacity of STP (CMD):</b>	14 no. having total capacity 7,155 m3/day (1 no. x 315 m3/day, 1 no. x 335 m3/day, 1 no. x 615 m3/day, 1 no. x 805 m3/day, 1 no. x 740 m3/day, 1 no. x 715 m3/day, 1 no. x 780 m3/day, 1 no. x 675 m3/day, 1 no. x 750 m3/day, 1 no. x 30 m3/day, 1 no. x 115 m3/day, 1 no. x 315 m3/day, 1 no. x 490 m3/day, 1 no. x 475 m3/day)
	<b>Location &amp; area of the STP:</b>	Location - On ground Area of STP 3,578 m2
	<b>Budgetary allocation (Capital cost):</b>	Rs.2,108 Lakh
	<b>Budgetary allocation (O &amp; M cost):</b>	Rs.316 Lakh/year
<b>36.Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	• Waste generation is 3,18,392 m3 • Quantity of the top soil to be preserved: 15,919 m3. • Quantity of the top soil to be preserved: Top soil preservation / conservation: Top soil will be preserved and later reused in landscape area.
	<b>Disposal of the construction waste debris:</b>	Debris generated will be sent to the authorized debris disposal site as per "Construction and Demolition and De-silting Waste (Management and Disposal) Rules 2006.
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	12,661 kg/day
	<b>Wet waste:</b>	15,446 kg/day
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	1,064 kg/day
	<b>Others if any:</b>	E waste: 37,531 kg/year
<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Dry garbage will be handover to authorized recyclers for further handling & disposal purpose.
	<b>Wet waste:</b>	Wet waste will be treated by using Organic waste converter machine.
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	Dry sludge can be used as manure for plantation & gardening purposes inside the premise.
	<b>Others if any:</b>	E waste- handed over to authorised agencies for further handling & disposal purpose.
<b>Area requirement:</b>	<b>Location(s):</b>	Locations are as per master layout
	<b>Area for the storage of waste &amp; other material:</b>	208 m2
	<b>Area for machinery:</b>	831 m2

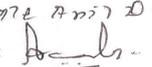
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<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs.339 Lakh					
	<b>O &amp; M cost:</b>	Rs.83 Lakh/year					
<b>37.Effluent Charecterestics</b>							
<b>Serial Number</b>	<b>Parameters</b>	<b>Unit</b>	<b>Inlet Effluent Charecterestics</b>	<b>Outlet Effluent Charecterestics</b>	<b>Effluent discharge standards (MPCB)</b>		
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable		
Amount of effluent generation (CMD):		Not applicable					
Capacity of the ETP:		Not applicable					
Amount of treated effluent recycled :		Not applicable					
Amount of water send to the CETP:		Not applicable					
Membership of CETP (if require):		Not applicable					
Note on ETP technology to be used		Not applicable					
Disposal of the ETP sludge		Not applicable					
<b>38.Hazardous Waste Details</b>							
<b>Serial Number</b>	<b>Description</b>	<b>Cat</b>	<b>UOM</b>	<b>Existing</b>	<b>Proposed</b>	<b>Total</b>	<b>Method of Disposal</b>
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>39.Stacks emission Details</b>							
<b>Serial Number</b>	<b>Section &amp; units</b>	<b>Fuel Used with Quantity</b>	<b>Stack No.</b>	<b>Height from ground level (m)</b>	<b>Internal diameter (m)</b>	<b>Temp. of Exhaust Gases</b>	
1	400 kVA	At 100 % Load 107.90 Ltrs/hrs. At 75 % Load 82.50 Lts/hrs	1	5	0.152 m	419 °C	
2	500 kVA	At 100 % Load 107.90 Ltrs/hrs. At 75 % Load 79.83 Lts/hrs	1	5	0.250 m	464 °C	
3	750 kVA	At 100 % Load 165 Ltrs/hrs. At 75 % Load 130.42 Lts/hrs	1	5	0.20 m	520 °C	
4	1010 kVA	At 100 % Load 203.8 Ltrs/hrs. At 75 % Load 153.3 Lts/hrs	1	5	-	500°C	
<b>40.Details of Fuel to be used</b>							
<b>Serial Number</b>	<b>Type of Fuel</b>	<b>Existing</b>	<b>Proposed</b>	<b>Total</b>			
1	HSD	Not applicable	-	-			
41.Source of Fuel		Authorised Vender					
42.Mode of Transportation of fuel to site		By road					

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<b>43.Green Belt Development</b>	<b>Total RG area :</b>	21,450 m <sup>2</sup>
	<b>No of trees to be cut :</b>	NA
	<b>Number of trees to be planted :</b>	1,854 nos. will be planted & 200 nos. existing trees
	<b>List of proposed native trees :</b>	Provided
	<b>Timeline for completion of plantation :</b>	6 to 9 months after completion of civil works

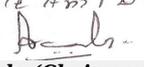
#### 44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Ficus bengalensis	Vad	32	Provides fulfillment of wishes and other material gains
2	Ficus religiosa	Pimpal	24	Used for worshipping
3	Ficus racemosa	Umbar	46	Fruit bearing
4	Syzygium cumini	Jambhul	40	Fruit bearing
5	Madhuca indica	Moha	36	Medicinal values
6	Prosopis spicigera	Shami	33	Used for worshipping
7	Hirda	Hirda	37	Used for medicine, timber, fuel
8	Terminalia belerica	Beheda	37	Medicinal values
9	Aegle marmelos	Bel	20	Medicinal values
10	Terminalia arjuna	Arjun	31	Medicinal values
11	Sapindus trifoliatus	Ritha	23	Flowering tree
12	Karanj	Karanj	31	Shade giving tree
13	Mimusops elengi	Bakul	37	Flowers white, fragrant, axillary, solitary or fascicled, Fruits ovoid, or ellipsoid berries
14	Butea Monosperma	Palas	36	Used for worshipping
15	Azadirachta indica	Neem Tree	34	Fast growing Tree, useful for methane gas production
16	Pterospermum canescens	Muchkand	38	Medicinal values
17	Bauhinia racemosa	Apta	40	Butterfly host tree
18	Cordia	Bhokar	50	Flowering tree
19	Eleocarpus sphaericus	Rudraksh	18	Fruit bearing tree
20	Tamarindus indica	Chinch	14	Fruit bearing tree
21	Acacia chundra	Khair	32	Medicinal values
22	Anthosaphalus Kadamba	Kadamb	40	Shady, large tree, ball shaped flowers.
23	Bombax ceibakate	Kate sawar	10	Cotton tree flower
24	Cassia fistula	Bahava	42	Drough resistance, Butterfly host tree
25	Ficus retusa	Nadruk	34	Fruit bearing tree
26	Ailanthus excelsa	Maharukh	38	Large tree, good for roadside plantation
27	Anthosaphalus kadamba	Kadamb	41	Shady, large tree, ball shaped flowers.

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28	Caryota urens	Fish Tail Palm	20	Tall evergreen tree
29	Erythrina indica	Pangara	36	Medium sized deciduous tree. Bright scarlet flowers.
30	Murrayya paniulate	Kunti	48	Small tree, Fragrant white flowers, Butterfly host plant
31	Michela champaca	Son Chafa	39	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
32	Saraca asoka	Sita Asoka	41	Shady tree with red-yellow flowers.
33	Lagestromia flosre genia	Tamhan	45	State flower tree of Maharashtra
34	Bauhinia blakeana	Hong kong Orchid Tree	56	Medium sized tree with pink flower, medicinal value
35	Bucida molineti	Spiny Black Olive	26	Medium sized tree
36	Brassia actinophylla	Umbrella tree	28	Shady tree, The leaves, stem and roots are used in herbal preparations
37	Cassia fistula	Golden shower tree	27	Almost every part of this tree is useful and its bark, fruits and flowers have been used for medicinal purpose.
38	Erythrina glauca	Coral Tree	38	Medium sized tree, medicinal value
39	Michelia champaca	Champa	48	Rich in medicinal properties is used in several ayurvedic preparations
40	Plumeria obtusa	Champa White	50	Evergreen tree is mainly grown for its strongly fragrant white flowers
41	Samanea saman	Rain Tree	49	Large & shady tree
42	Tabebuia argentea	Golden Bell	22	Medium sized, with yellow flowers
43	Caryota mitis	Clustering Fishtail Palm	12	Large sized Evergreen, Ornamental tree
44	Chrysalidocarpus lutescens	Golden cane palm	18	Medium- large sized tree
45	Rhapis excela	Bamboo Palm	63	Medium- large sized tree
46	Roystonea regia	Royal palm	56	Medium- large sized, Ornamental tree
47	Washingtonia robusta	Mexican Fan Palm	36	Large sized evergreen tree
48	Wodyetia bifurcata	Foxtail Palm	34	Large sized Evergreen tree & Easy for maintenance
49	Carcia papaya	Papaya	42	Medium sized, Fruit bearing tree
50	Piper nigrum	Black paper	38	Medium sized tree, medicinal value
51	Ficus lyrata	Fiddle-leaf fig	34	Air-purifying Tree
52	Areca catechu	Areca palm	21	Absorb harmful pollutants from indoor air and provide fresh air
53	Azardiracta Indica	Neem	33	Large sized evergreen tree
54	Total	-	1,854	-

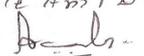
45.Total quantity of plants on ground

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

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

### 47. Energy

<b>Power requirement:</b>	<b>Source of power supply :</b>	Maharashtra State Electricity Distribution Company Ltd. (MSEDCL)
	<b>During Construction Phase: (Demand Load)</b>	116 kVA
	<b>DG set as Power back-up during construction phase</b>	125 kVA
	<b>During Operation phase (Connected load):</b>	68,940 kW
	<b>During Operation phase (Demand load):</b>	34,524 kW
	<b>Transformer:</b>	38 nos. x 630 kVA, 3 nos. x 315 kVA, 22 nos. x 1000 kVA
	<b>DG set as Power back-up during operation phase:</b>	2 nos. x 400 kVA, 20 nos. x 1010 kVA, 2 nos. x 500 kVA, 1 no. x 75 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:

The following Energy Conservation Methods are proposed in the project:

? Energy Saving using Energy efficient LED fixtures Against Conventional CFL/T8 fixture with Electronic Ballast for Common Area: 1897551 kWh

? Energy saving using Low Loss Transformer Against Conventional Transformer: 220752 kWh

? Energy Saving using Solar Water Heater Against Electrical Water Heater: 7703850 kWh

? Energy Saved by Solar PV: 171000 kWh

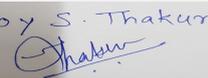
? Energy Saved by Automatic Timer logic controller for lighting Control Against No Timer Control: 1540667 kWh

? Energy Saved by Using VFD for Lift against conventional drive: 1016890 kWh

? Total Energy Saving in Project by Energy saving measures: 14089710 kWh

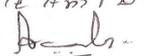
### 49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	1. Energy Saving using Energy efficient LED fixtures Against Conventional CFL/T8 fixture with Electronic Ballast for Common Area	34%
2	2. Energy saving using Low Loss Transformer Against Conventional Transformer	5%
3	3. Energy Saving using Solar Water Heater Against Electrical Water Heater	75%
4	4. Energy Saved by Solar PV	5%
5	5. Energy Saved by Automatic Timer logic controller for lighting Control Against No Timer Control	43%
6	6. Energy Saved by Using VFD for Lift against conventional drive	20%

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7	7. Total Energy Saving in Project by Energy saving measures	12%
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### 50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs.2,635 Lakh
	O & M cost:	Rs.29 Lakh/year

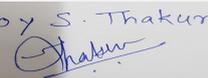
### 51.Environmental Management plan Budgetary Allocation

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

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water spray for dust suppression	10
2	-	Tyre cleaning and vehicle maintenance	3
3	-	Safety nets	5
4	Water Environment	Site Sanitation, toilets, safe drinking water, septic tank	3
5	-	Environmental Monitoring	2
6	-	Storm water management	4
7	-	Disinfection	5
8	Socio Economic Environment	Health Checkup & first aid	4
9	Health & Safety	Safety Personal Protective Equipment's	5
10	Noise Environment	Traffic Management	3
11	-	Site fencing and Noise barriers	12
12	Total	-	56

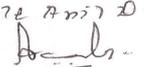
#### b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment plant	14 nos. of STP having total capacity 7,155 m3/day	2,108	316
2	Rain water Harvesting	37 nos. of recharge pits Size of recharge pits 1.5 m x 1.5 m x 1.5 m	58	2
3	Solid Waste Management	Cost for Treatment of biodegradable garbage in OWC (14 nos.)	339	83
4	Energy conservation	Solar street lighting	2,635	29

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5	Environment monitoring	Monitoring and analysis of Air, Noise, water, soil, etc.	MoEF approved Laboratory	10
6	Landscape Development including tree plantation along with the plot boundary	Tree plantation & landscaping	145	11
7	Laying of storm water & sewer drain upto final disposal point	-	2	1
8	Total	-	5,287	452

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

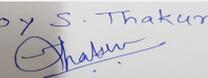
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 52.Any Other Information

No Information Available

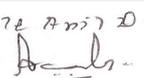
### 53.Traffic Management

	<b>Nos. of the junction to the main road &amp; design of confluence:</b>	1 no. of the junction
<b>Parking details:</b>	<b>Number and area of basement:</b>	5 nos. of parking & total parking area of basement 88,076 m <sup>2</sup>
	<b>Number and area of podia:</b>	2 nos. of parking & total parking area of podium 65,609 m <sup>2</sup>
	<b>Total Parking area:</b>	4,92,251 m <sup>2</sup>
	<b>Area per car:</b>	Basements -35 m <sup>2</sup> , Podium floors - 30 m <sup>2</sup> , Stilt - 30 m <sup>2</sup>
	<b>Area per car:</b>	Basements -35 m <sup>2</sup> , Podium floors - 30 m <sup>2</sup> , Stilt - 30 m <sup>2</sup>
	<b>Number of 2-Wheelers as approved by competent authority:</b>	27,747 nos.
	<b>Number of 4-Wheelers as approved by competent authority:</b>	9,480 nos.
	<b>Public Transport:</b>	NA
	<b>Width of all Internal roads (m):</b>	6 m & 15 m
	<b>CRZ/ RRZ clearance obtain, if any:</b>	Not Applicable

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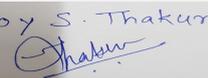
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	<b>Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries</b>	Not Applicable
	<b>Category as per schedule of EIA Notification sheet</b>	8 (b) B1 Category
	<b>Court cases pending if any</b>	Not Applicable
	<b>Other Relevant Informations</b>	We have received Environment Clearance vide file No SEAC-2010/CR.494/TC.2 on dated 28/02/2011 , EC amendment in area vide file no SEAC-2010/CR.494/TC.2 dated 30/03/2015 and Revalidation of Environment Clearance dated 18.09.2018
	<b>Have you previously submitted Application online on MOEF Website.</b>	No
	<b>Date of online submission</b>	-

### SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

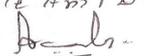
<b>Environmental Impacts of the project</b>	-
<b>Water Budget</b>	-
<b>Waste Water Treatment</b>	-
<b>Drainage pattern of the project</b>	-
<b>Ground water parameters</b>	-
<b>Solid Waste Management</b>	-
<b>Air Quality &amp; Noise Level issues</b>	-
<b>Energy Management</b>	-
<b>Traffic circulation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

### Brief information of the project by SEAC

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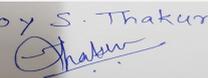
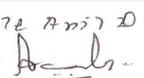
**Name:** K. Anil Kale  
**Signature:**   
**Shri. Anil Kale (Chairman SEAC-III)**

PP has submitted his application for prior Environmental clearance for total plot area of 3,03,708 m<sup>2</sup>, FSI area of 8,41,470 m<sup>2</sup>, Non FSI area of 5,62,842 m<sup>2</sup> and total BUA of 14,04,312m<sup>2</sup>.

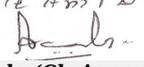
The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B1. The PP has submitted EIA Report.

### DECISION OF SEAC

SEAC-AGENDA-0000000321

<p>Joy S. Thakur  Joy S.Thakur (Secretary SEAC-III)</p>	<p>SEAC Meeting No: 93 Meeting Date: September 4, 2019</p>	<p>Page 64 of 133</p>	<p>Name: K 072 Anil D. Signature:  Shri. Anil Kale (Chairman SEAC-III)</p>
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SEAC-AGENDA-0000000321

<p>Joy S. Thakur  Joy S.Thakur (Secretary SEAC-III)</p>	<p>SEAC Meeting No: 93 Meeting Date: September 4, 2019</p>	<p>Page 65 of 133</p>	<p>Name: K ०१६ Anil D. Signature:  Shri. Anil Kale (Chairman SEAC-III)</p>
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### During discussion following points emerged:

1. In CER, PP has indicated the amount of earlier EC in Toto. PP to revise the CER plan and deduct only amount for which completion certificate has been received. PP has proposed various activities but details of the same i.e., location, number etc. are not mentioned. Activities pertaining to training and schemes of individual benefit to be excluded. PP to submit revised CER accordingly.
2. PP to submit IOD/IOA/Concession Document/Plan Approval or any other form of documents as applicable clarifying its conformity with local planning rules and provisions there under.
3. PP to submit site specific executable and auditable EMP.
4. PP to submit detailed contour plan for entire layout indicating cutting and filling area so as to justify his claim that entire debris /excavated material will be used within plot for refilling.
5. PP to submit socio-economic infrastructure details including public transport arrangements on the site.
6. PP to submit phase wise programme for proposed construction with mitigation measures taken to avoid inconvenience to existing / nearby occupants.
7. PP has stated that at present, they have proposed to connect internal storm water drain to existing storm water drain. PP has further stated that as and when road will be widened, PP will construct storm water drain for the extended width as per the requirement of Municipal Corporation. PP to submit the details of storm water drain accordingly.
8. PP to submit details of UGT.
9. PP to submit OWC details.
10. PP to submit undertaking to provide DG set backup to all Pollution Control Devices, Water Supply, Emergency Services including emergency lifts, etc.
11. PP to obtain and submit following NOC's: (a) CFO NOC, (b) Water supply (c) solid waste / e-waste management. (d) Garden NOC.
12. PP to submit plantation plan for 1854 trees, incorporating local native fruit bearing trees, excluding shrubs and allergenic plants.

PP requested for time to submit the information sought; after deliberations committee asked PP to **comply** with the observations and submit information to the committee for further discussion and consideration of SEAC.

### Specific Conditions by SEAC:

 Joy S.Thakur (Secretary SEAC-III)	<b>SEAC Meeting No: 93 Meeting Date: September 4, 2019</b>	<b>Page 66 of 133</b>	<b>Name: K. Anil Kale</b> <b>Signature: [Signature]</b> <b>Shri. Anil Kale (Chairman SEAC-III)</b>
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## FINAL RECOMMENDATION

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

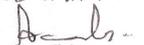
SEAC-AGENDA-0000000321

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SEAC-III)

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Name: K. Anil D.  
Signature: 

Shri. Anil Kale (Chairman  
SEAC-III)

## 93rd SEAC-3 Day 02

**SEAC Meeting number: 93 Meeting Date September 4, 2019**

**Subject:** Environment Clearance for Expansion in existing project by M/s Siroya FM Infra Development Pvt. Ltd.

**Is a Violation Case:** No

<b>1.Name of Project</b>	"Eon Homes"
<b>2.Type of institution</b>	Private
<b>3.Name of Project Proponent</b>	Mr.Bharat Agarwal
<b>4.Name of Consultant</b>	M/s JV Analytical Services
<b>5.Type of project</b>	Residential
<b>6.New project/expansion in existing project/modernization/diversification in existing project</b>	Expansion in existing project
<b>7.If expansion/diversification, whether environmental clearance has been obtained for existing project</b>	Yes (Vide No.SEAC-2011/CR .716/TC-2 dated 27th January, 2015)
<b>8.Location of the project</b>	Plot.No. R/3/1, Phase III, Hinjewadi IT park,
<b>9.Taluka</b>	Haveli
<b>10.Village</b>	Hinjewadi
<b>Correspondence Name:</b>	Mr.Rajesh Bhange
<b>Room Number:</b>	1 Adams Court
<b>Floor:</b>	2nd Floor
<b>Building Name:</b>	Kasturi
<b>Road/Street Name:</b>	Baner Road Opp. Hotel Mahabaleshwer
<b>Locality:</b>	Baner
<b>City:</b>	Pune
<b>11.Whether in Corporation / Municipal / other area</b>	MIDC
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	In Process
	<b>IOD/IOA/Concession/Plan Approval Number:</b> EE/IT/Plans/ D55528/of 2017
	<b>Approved Built-up Area:</b> 275045.08
<b>13.Note on the initiated work (If applicable)</b>	81969.85 m2 as per previous EC received on 27/01/2015
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	Not Applicable
<b>15.Total Plot Area (sq. m.)</b>	90860.00 m2
<b>16.Deductions</b>	9086.00 m2
<b>17.Net Plot area</b>	81774.00 m2
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> 163548.00 m2
	<b>b) Non FSI area (sq. m.):</b> 115303.25 m2
	<b>c) Total BUA area (sq. m.):</b> 278851.25
<b>18 (b).Approved Built up area as per DCR</b>	<b>Approved FSI area (sq. m.):</b> 163202.05 m2
	<b>Approved Non FSI area (sq. m.):</b> 111843.03 m2
	<b>Date of Approval:</b> 04-10-2017
<b>19.Total ground coverage (m2)</b>	10873.34 m2
<b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>	11.96 % of total plot area 90860.00 m2 & 13.29% of net plot area 81774.00 m2
<b>21.Estimated cost of the project</b>	4320000000

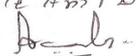
## 22.Number of buildings & its configuration

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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A1	LG+UG+G+20	69.60
2	A2	LG+UG+G+20	69.60
3	A3	LG+UG+G+20	69.60
4	B1	LG+UG+G+23	78.10
5	B2	LG+UG+G+23	78.10
6	B3	LG+UG+G+23	78.10
7	C1	LG+UG+G+23	78.10
8	C2	LG+UG+G+23	78.10
9	C3	LG+UG+G+23	78.10
10	D1	LG+UG+G+20	69.60
11	D2	LG+UG+G+20	69.60
12	D3	LG+UG+G+20	69.60

23.Number of tenants and shops	Total Tenements -1548 Nos.
24.Number of expected residents / users	Total Users: 7740Nos.
25.Tenant density per hectare	170.37
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	60 m wide road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.00 m
29.Existing structure (s) if any	Not Applicable
30.Details of the demolition with disposal (If applicable)	Not Applicable

### 31.Production Details

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

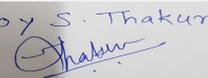
### 32.Total Water Requirement

 <b>Joy S.Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 93 Meeting Date: September 4, 2019</b>	<b>Page 69 of 133</b>	<b>Name: K 072 Anil D.</b> <b>Signature: Anil D.</b> <b>Shri. Anil Kale (Chairman SEAC-III)</b>
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Dry season:	Source of water	MIDC
	Fresh water (CMD):	1367.86 m3/day (One Time)
	Recycled water - Flushing (CMD):	348.30 m3/day
	Recycled water - Gardening (CMD):	260.00 m3/day
	Swimming pool make up (Cum):	27.00 m3/day
	Total Water Requirement (CMD) :	728.60 m3/day
	Fire fighting - Underground water tank(CMD):	675.00 m3
	Fire fighting - Overhead water tank(CMD):	300.00 m3
	Excess treated water	305.65 m3/day
Wet season:	Source of water	MIDC
	Fresh water (CMD):	1107.86m3/day(One Time)
	Recycled water - Flushing (CMD):	348.30 m3/day
	Recycled water - Gardening (CMD):	0.00 m3/day
	Swimming pool make up (Cum):	27.00 m3/day
	Total Water Requirement (CMD) :	728.60 m3/day
	Fire fighting - Underground water tank(CMD):	675.00 m3
	Fire fighting - Overhead water tank(CMD):	300.00 m3
	Excess treated water	565.65 m3/day
Details of Swimming pool (If any)	<p>Dimensions of Swimming Pool: Main pool: 25 m x 6m x1.20 m.deep  Kids pool: 3.0 mt diameter  Total water Requirement: 2, 12,400 Ltrs.  Water requirement in KLD: 27 m3 / Day  Details of Plant &amp; Machinery used for treatment of Swimming pool water:  Details of quality to be achieved for swimming pool water and parameters to be monitored:  Budgetary allocation ( Capital cost and O &amp; M cost):  Capital Cost : Rs. 43.00 Lakh  O &amp; M Cost : Rs. 2.52 Lakh/Year</p>	

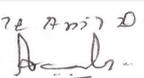
### 33.Details of Total water consumed

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

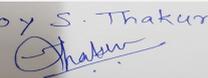
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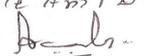
**Name: K. Anil Kale**  
  
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<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	15.00 m to 18.00 m below ground level
	<b>Size and no of RWH tank(s) and Quantity:</b>	Not Applicable
	<b>Location of the RWH tank(s):</b>	Not Applicable
	<b>Quantity of recharge pits:</b>	19 Nos.
	<b>Size of recharge pits :</b>	1.5 m x 1.5 m x 1.5 m
	<b>Budgetary allocation (Capital cost) :</b>	Rs.21.79 Lakh
	<b>Budgetary allocation (O &amp; M cost) :</b>	Rs.0.75 Lakh/Year
	<b>Details of UGT tanks if any :</b>	Domestic UG tank Capacity : 1019.56 m <sup>3</sup> Flushing UG tank Capacity : 348.30 m <sup>3</sup> Fire UG tank Capacity : 675.00 m <sup>3</sup>
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	-
	<b>Quantity of storm water:</b>	93.67 m <sup>3</sup> /day
	<b>Size of SWD:</b>	450 mm
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	944.91 m <sup>3</sup> /day
	<b>STP technology:</b>	MBBR
	<b>Capacity of STP (CMD):</b>	300 m <sup>3</sup> /day & 650 m <sup>3</sup> /day
	<b>Location &amp; area of the STP:</b>	Area- 435 m <sup>2</sup>
	<b>Budgetary allocation (Capital cost):</b>	For 300 m <sup>3</sup> /day - Rs.53.95 Lakh, For 650 m <sup>3</sup> /day- Rs.112.33 Lakh
	<b>Budgetary allocation (O &amp; M cost):</b>	For 300 m <sup>3</sup> /day- Rs.5.40 Lakh/Year ,For 650 m <sup>3</sup> /day- Rs.11.22 Lakh/Year
<b>36.Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	50 kg/day
	<b>Disposal of the construction waste debris:</b>	Use for Leveling
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	1548 kg/day.
	<b>Wet waste:</b>	2322 kg/day.
	<b>Hazardous waste:</b>	Not Applicable
	<b>Biomedical waste (If applicable):</b>	Not Applicable
	<b>STP Sludge (Dry sludge):</b>	85.04 kg/day
	<b>Others if any:</b>	Not Applicable

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<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Authorized Vendor
	<b>Wet waste:</b>	Organic Waste Converter
	<b>Hazardous waste:</b>	Not Applicable
	<b>Biomedical waste (If applicable):</b>	Not Applicable
	<b>STP Sludge (Dry sludge):</b>	Used as Manure after treatment in OWC
	<b>Others if any:</b>	Not Applicable
<b>Area requirement:</b>	<b>Location(s):</b>	-
	<b>Area for the storage of waste &amp; other material:</b>	225 m2 including machinery area
	<b>Area for machinery:</b>	-
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs.59.50 Lakh -For 2 OWC
	<b>O &amp; M cost:</b>	Rs.10.25 Lakh/Year-For 2 OWC

### 37. Effluent Characteristics

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

### 38. Hazardous Waste Details

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

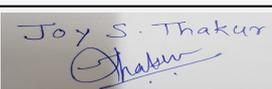
### 39. Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	320 KVA - 4 Nos.	HSD-56.00 Ltr/Hr	S-1	6.3 m	-	-

### 40. Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	14.00 Ltr/Hr	42.00 Ltr/Hr	56.00 Ltr/Hr

41. Source of Fuel	Bharat Petroleum Corporation Ltd/ Hindustan Petroleum
42. Mode of Transportation of fuel to site	By Roadway

  
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<b>43.Green Belt Development</b>	<b>Total RG area :</b>	9086.00 m2
	<b>No of trees to be cut :</b>	Not Applicable
	<b>Number of trees to be planted :</b>	1605 Nos.
	<b>List of proposed native trees :</b>	1605 Nos.
	<b>Timeline for completion of plantation :</b>	Before completion

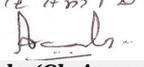
#### 44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Pongamia pinnata	Indian Beech	125	Well-adapted to arid zones, it is often used for landscaping purposes as a windbreak or for shade due to the large canopy and showy fragrant flowers.
2	Terminalia arjuna	Arjun Tree	110	The Arjuna is about 20-25 meters tall and forms a wide canopy at the crown , from which branches drop downwards
3	Dalbergia sissoo	Indian Rosewood	114	A fast-growing, harby deciduous , Shisham is best known economic timber is the larval food plant of the black rajah ( butterfly )
4	Pterospermum cerifolium	Kanak Champa	135	The flowers of the bayur tree can serve as a pleasant perfume and can even keep away insects. The flowers also provide a number of medicinal uses
5	Albizia lebbeck	Siris	99	Large sized deciduous tree. The tree has a graceful appearance and beautiful foliage
6	Terminalia catappa	Indian - Almond	140	Terminalia catappa is a large tropical tree, has high water resistance. As an ornamental tree, grown for the deep shade its large leaves provide.
7	Erthrina variegata	Indian Coral Tree	69	A showy, with brilliant red blossoms. This highly valued ornamental, it is a picturesque, broad and spreading, deciduous tree.
8	Cassia fistula	Amaltas	135	Medium sized deciduous tree. A beautiful tree for small gardens, parks and along medium and small roads
9	Bauhinia Blakeana	Hong Kong Orchid	142	Bauhinia blakeana with large thick leaves and striking purplish red flowers the fragrant, orchid- like flowers.
10	Lagerstroemia speciosa	Queen's Crape-Myrtle	99	It is a small to medium -sized deciduous tree growing to 20 meters. The flowers in this plant blooms only once in a year at the peak of summer

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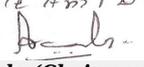
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11	Phyllanthus emblica	Amala	90	It is a small sized deciduous fruit tree growing to 8 meters. The fruits in this plant grow only once in a year at the peak of summer
12	Mangifera indica	Mango	96	It is a small to medium sized deciduous fruit tree growing to 6-20 meters. The fruits in this plant grow only once in a year at the peak of summer.
13	Aegle marmelos	Indian Bael	85	It is a small to medium sized deciduous fruit tree growing to 6-15metres. The fruits in this plant grow in whole year
14	Artocarpus heterophyllus	Jackfruit	80	It is a large sized deciduous fruit tree growing to 20metres. The fruits in this plant grow only once in year at the peak of rainy season
15	Millingtonia Hortensis	Indian Cork tree	30	Flowers have very rich and pleasant scent, used in the treatment of asthma & sinusitis in rituals.
16	Tabebuia Rosea	Trumpet Tree	31	Deciduous tree with spreading crown.
17	Spathodea Campanulata	African tulip tree	19	African tulip tree is planted as an ornamental, a wayside tree and shade tree.
18	Anthocephalus Kadamba	Leichhardt Pine	06	They are deciduous, shedding their leaves during the dry season.
<b>45.Total quantity of plants on ground</b>				
<b>46.Number and list of shrubs and bushes species to be planted in the podium RG:</b>				
Serial Number	Name	C/C Distance	Area m2	
1	-	-	-	
<b>47.Energy</b>				

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<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL.
	<b>During Construction Phase: (Demand Load)</b>	150 KVA
	<b>DG set as Power back-up during construction phase</b>	250 KVA- 1No.
	<b>During Operation phase (Connected load):</b>	12248 KVA
	<b>During Operation phase (Demand load):</b>	8573 KVA
	<b>Transformer:</b>	1250 KVA - 7 No.
	<b>DG set as Power back-up during operation phase:</b>	320 KVA - 4 Nos.
	<b>Fuel used:</b>	For 320 KVA :- 56.00 Ltr/Hr
	<b>Details of high tension line passing through the plot if any:</b>	No

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

- Solar Water Heating Systems Will Be Done For Bathrooms.
- Solar lights will be provided for common amenities like Street lighting & Garden lighting.
- LED based lighting will be done in the common areas, landscape areas, signage's, Entry gates and boundary compound walls etc.
- Auto Timer Switches will be provided for Street lights, Garden lights, Parking & staircase Lights & Other Common Area Lights, for saving electrical energy.
- Water Level Controllers with Timers will be used for Water Pumps.
- To create awareness to end consumer or flat owner, for using energy efficient light fittings like LED Lights.

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

Serial Number	Energy Conservation Measures	Saving %
1	Energy saving through renewable sources including solar hot water	19.84%

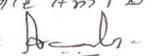
#### 50. Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air	Barricading the site	Green belt will be provided
Water	STP is installed for existing building & excess treated water used for flushing & gardening.	STP of capacity 650 m3/day will be proposed.
Noise	Acoustically enclosed DG set is installed.	Noise monitoring will be done in once a fortnight. Traffic management plan to be prepared.
Solid waste	Wet waste treated in existing OWC. STP sludge is Used as Manure after treatment in OWC	1 more OWC will be installed for proposed buildings. STP sludge will be Used as Manure after treatment in OWC. Dry Waste will be given to Authorized Vendor.

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Energy & Solar system: Rs.40.00 Lakh
	<b>O &amp; M cost:</b>	Energy & Solar system: Rs.10.00 Lakh/year

### 51. Environmental Management plan Budgetary Allocation

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

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Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water for Dust Suppression, Air & Noise Monitoring	0.50 Lakh/Year
2	Water Environment	Tanker Water for Construction, Water Monitoring	0.50 Lakh/Year
3	Land Environment	Site Sanitation -Mobile toilets	0.50 Lakh/Year
4	Socio-economic	Disinfection- Pest Control, First Aid Facilities, Health Check Up, Creches For Children, Food for children, Personal Protective Equipment	1.00 Lakh/Year

### 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-1	300m3/day	Rs.53.95 Lakh	Rs.5.40 Lakh/Year
2	STP-2	650m3/day	Rs.112.33 Lakh	Rs.11.22 Lakh/Year
3	RWH	Rain Water Harvesting	Rs.21.79 Lakh	Rs.0.75 Lakh/Year
4	MSW	OWC-2 Nos.	Rs.59.50 Lakh	Rs.10.25 Lakh / year
5	Energy & Solar System	-	Rs.40.00 Lakh	Rs.10.00 Lakh/Year
6	Landscaping	-	Rs.197.65 Lakh	Rs.6.12 Lakh / year
7	Swimming Pool	-	Rs.43.00 Lakh	Rs.2.52 Lakh/Year
8	Safety Equipments	-	Rs.10.00 Lakh	Rs.2.00 Lakh/Year
9	Post EC Monitoring	-	-	Rs.2.50 Lakh/Year
10	Dry Waste Management	-	-	Rs.9.28 Lakh/Year

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

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

### 52.Any Other Information

No Information Available

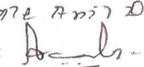
### 53.Traffic Management

Nos. of the junction to the main road & design of confluence:	-
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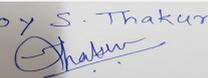
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Parking details:	Number and area of basement:	Not applicable
	Number and area of podia:	Not applicable
	Total Parking area:	62900.60 m2
	Area per car:	38.68 m2
	Area per car:	38.68 m2
	Number of 2-Wheelers as approved by competent authority:	3251 Nos.
	Number of 4-Wheelers as approved by competent authority:	1626 nos.
	Public Transport:	Not applicable
	Width of all Internal roads (m):	7.5 m
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable
	Category as per schedule of EIA Notification sheet	8(b)
	Court cases pending if any	No
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

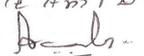
## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

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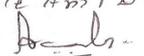
Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

### Brief information of the project by SEAC

PP has submitted his application for prior Environmental clearance for total plot area of 90860m<sup>2</sup>, FSI area of 163548m<sup>2</sup>, Non FSI area of 115303.25m<sup>2</sup> and total BUA of 278851.25m<sup>2</sup>.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B1. The PP has carried out EIA studies based on Model ToR and submitted EIA Report.

### DECISION OF SEAC

 <b>Joy S.Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 93 Meeting Date: September 4, 2019</b>	<b>Page 78 of 133</b>	<b>Name: K 072 Anil D.</b> <b>Signature: </b> <b>Shri. Anil Kale (Chairman SEAC-III)</b>
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### During discussion following points emerged:

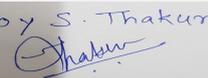
1. Fire tender movement to be revised such that building B1, B2, B3, C1, C2 and C3 shall be approachable from all directions covering all sides of each building with additional driveways with width not less than 6 m. Appropriate refuge area shall be provided accordingly.
2. Traffic Impact Assessment needs to be revised showing adjacent junction diagram and traffic volume diagram for the same. Assumptions for 5,10,15 years to be stated. V/C ratio and levels of services for present conditions and after 5,10,15 years be tabulated. Mitigation measures shall be recorded accordingly.
3. PP to submit existing site specific environmental status report.
4. PP to submit master layout superimposing all environmental parameters.
5. PP to submit phase wise programme for proposed construction with mitigation measures taken to avoid inconvenience to existing / nearby occupants.
6. PP to submit details of existing socio-economic infrastructure - primary, pre-primary schools etc. within vicinity.
7. PP to submit High-Rise and Civil Aviation NOC.
8. PP to submit final fire NOC.
9. PP to submit energy saving details.
10. PP to submit plantation plan incorporating local native fruit bearing trees and survival report of 86 trees authenticated by competent authority.

PP requested for time to submit the information sought; after deliberations committee asked PP to **comply** with the observations and submit information to the committee for further discussion and consideration of SEAC.

Specific Conditions by SEAC:

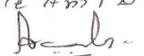
### FINAL RECOMMENDATION

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

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## 93rd SEAC-3 Day 02

**SEAC Meeting number: 93 Meeting Date September 4, 2019**

**Subject:** Environment Clearance for Application for the Expansion-Amendment in EC Residential and Commercial project at Survey No. 37/1B+37/2/2/1 to 3+5 at Bavdhan, Tal- Haveli, Dist- Pune, Satin Hill project Block A, B, C, D1 & D2 and G by Siddharth Properties and Proposed "Purva Zephyr" for Blocks E and F by Puravankara Limited

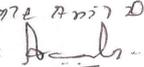
**Is a Violation Case:** No

<b>1.Name of Project</b>	Application for the Expansion-Amendment in EC - Residential and Commercial project project at Survey No. 37/1B+37/2/2/1 to 3+5 at Bavdhan, Tal- Haveli, Dist- Pune,- Satin Hill project Block A, B, C, D1 & D2 and G by Siddharth Properties and Proposed "Purva Zephyr" for Blocks E and F by Puravankara Limited, and EC Received from SEIAA, Govt. of Maharashtra having file no. SEAC-III/CR-272/TC-3 dated 18th July, 2016
<b>2.Type of institution</b>	Private
<b>3.Name of Project Proponent</b>	Joint Venture and Development Agreement between Siddharth properties - Mr. Swapnil Shende - Director, office at 501, Eden Hall Opp Om Super Market, Model Colony, Shivajinagar, Pune - 411016 and Puravankara Limited (formerly Puravankara Projects Limited) - Mr. Sujit More, Sr. Vice President, office at Level 8, 804/A, B-Wing, The Capital, G Block, Bandra Kurla Complex, Mumbai 400051
<b>4.Name of Consultant</b>	Ultra-Tech (Environmental Consultancy & Laboratory) - NABET/EIA/1720/RA0094
<b>5.Type of project</b>	Residential and Commercial project
<b>6.New project/expansion in existing project/modernization/diversification in existing project</b>	Expansion in existing project - Amendment in EC
<b>7.If expansion/diversification, whether environmental clearance has been obtained for existing project</b>	Yes, EC Received from SEIAA, Govt. of Maharashtra having file no. SEAC-III/CR-272/TC-3 dated 18th July, 2016 for plot area 28,750 m2, FSI area 32,111.06 m2 and Non FSI area 31,456.94 m2 and total builtup area 63,568 m2
<b>8.Location of the project</b>	Survey No. 37/1B+37/2/2/1 to 3+5 at Bavdhan, Tal- Haveli, Dist- Pune
<b>9.Taluka</b>	Haveli
<b>10.Village</b>	Bhavdhan
<b>Correspondence Name:</b>	Mr. Swapnil Shende - Director, Siddharth Properties and Mr. Sujit More, Sr. Vice President, Puravankara Limited
<b>Room Number:</b>	Siddharth Properties, 501, Eden Hall Opp Om Super Market, Model Colony, Shivajinagar, Pune - 411016 and Puravankara Limited (formerly Puravankara Projects Limited) Level 8, 804/A, B-Wing, The Capital, G Block, Bandra Kurla Complex, Mumbai 400051
<b>Floor:</b>	Provided
<b>Building Name:</b>	Provided
<b>Road/Street Name:</b>	Provided
<b>Locality:</b>	Provided
<b>City:</b>	Pune
<b>11.Whether in Corporation / Municipal / other area</b>	Pune Municipal Corporation
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	Yes, CC/2384/18 dated 1/11/2018 <b>IOD/IOA/Concession/Plan Approval Number:</b> Yes, CC/2384/18 dated 1/11/2018 <b>Approved Built-up Area:</b> 53940.43
<b>13.Note on the initiated work (If applicable)</b>	We have completed the construction area is about 14105.62 m2 (building A, B, C D1 & D2) and included services as per received EC.
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	NA
<b>15.Total Plot Area (sq. m.)</b>	28750
<b>16.Deductions</b>	9,207.18 m2 (Road Deduction - 470 m2, Amenity : 4242 m2, Open space : 2828 m2, Internal Road : 1667.18 m2, Total Deduction - 9207.18 m2)
<b>17.Net Plot area</b>	19542.82 m2
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> 33955.40 m2 <b>b) Non FSI area (sq. m.):</b> 19985.03 m2 <b>c) Total BUA area (sq. m.):</b> 53940.43

  
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18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): FSI - 34,530 m2, TDR - 25,565 m2 and total FSI including paid TDR is 60,095 m2
	Approved Non FSI area (sq. m.): 19985.03 m2
	Date of Approval: 01-11-2018
19.Total ground coverage (m2)	8,571 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	35.71%
21.Estimated cost of the project	1050000000

## 22.Number of buildings & its configuration

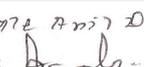
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Residential A : Completed & OC Obtained	B+G+1	9.25
2	Residential B : Completed & OC Obtained	B+G+1	9.25
3	Residential C : Completed & OC Obtained	B+G+1	8.95
4	Residential D1 : Completed & OC Obtained	P+12	36
5	Residential D2 : Completed & OC Obtained	P+12	36
6	Residential E : 4P+20 will be changed. Decreased by 5 floors and 2 podium and addition of one Basement	B+2P+15	49.95
7	Residential F : 4P+20 will be changed. Decreased by 5 floors and 2 podium and addition of one Basement	B+2P+15	49.25
8	Commercial G	Ground	6

23.Number of tenants and shops	Existing : Residential A : as per EC : 4 no., Residential B: as per EC : 7 no., Residential C : as per EC : 1 no., Residential D1: as per EC : 47 no., Residential D2 : as per EC : 43 no. Total A+B+C+D1+D2 = 102 Flats, Proposed Residential E : 118 No. of flats, and Proposed Residential F : 118 No. of flats and total Flat nos including exciting + Proposed = 338 No. and shops are 5 no.
24.Number of expected residents / users	Completed building population (Building A, B, C, D1, D2 ): 510 no. Proposed residential population (Building E , F) 1269 no. then total Residential population : 1779 No. Commercial floating: 184 no. Total population : 1963 No.
25.Tenant density per hectare	180 Ha
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	18m and 30 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9m and 7.5 m

  
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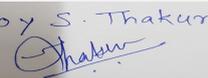
29.Existing structure (s) if any	As per received EC, Residential building A, B, C, D1 and D2 was completed
30.Details of the demolition with disposal (If applicable)	NA

### 31.Production Details

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

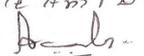
### 32.Total Water Requirement

Dry season:	Source of water	Pune Municipal Corporation
	Fresh water (CMD):	186
	Recycled water - Flushing (CMD):	85
	Recycled water - Gardening (CMD):	42
	Swimming pool make up (Cum):	8
	Total Water Requirement (CMD) :	313
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	60,000
	Excess treated water	109
Wet season:	Source of water	Pune Municipal Corporation
	Fresh water (CMD):	186
	Recycled water - Flushing (CMD):	85
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	8
	Total Water Requirement (CMD) :	271
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	60,000
	Excess treated water	152

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<b>Details of Swimming pool (If any)</b>	<p>Dimension of Swimming Pool: : 15.30 m x 7.50 m x 1.20 m and 3.00 m x 7.50 m x 0.60 m  Total water Requirement in KLD: 137.70 + 13.53 = 151.23 cu.m.  Water requirement for make up in KLD: 8  Details of Plant &amp; Machinery used for treatment of Swimming pool water: Totally Anticorrosive Filter with Multiport Valve, Plastic body pump with Strainer, Chemical Dosing System, All Pool Basin Equipment's like Inlet Nozzles, Drain Suction Nozzles, Skimmers/Overflow Grating, Pool SS Ladders, Under water Lights with S Junction Boxes &amp; Transformers &amp; all Pool Cleaning Equipment's  Details of quality to be achieved for swimming pool water and parameters to be monitored:  1 Free Chlorine for Pvt. pools 1.5 ppm (mg/liters)  2 Super Chlorination (when needed) Between 3.0 to 5.0 ppm  3 Shock Treatment (when needed) Between 8.0 to 10.0 ppm  4 pH 7.2 to 7.6  5 Total Alkalinity 80 to 120 ppm  6 Calcium hardness 200 ppm  7 Total dissolved Solids Less than 1500 ppm  8 Cynuric Acid (Stabilizer) Less than 100 ppm</p> <p>Capital Cost : Rs. 25 Lacs  O &amp; M cost : Rs.1.8 Lacs/annum</p>
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### 33.Details of Total water consumed

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

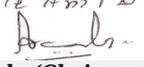
<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	Below 20 to 30 m
	<b>Size and no of RWH tank(s) and Quantity:</b>	NA
	<b>Location of the RWH tank(s):</b>	NA
	<b>Quantity of recharge pits:</b>	8 no. and Recharge Bores 4 no.
	<b>Size of recharge pits :</b>	0.9 m x 1.8 m x 1 m
	<b>Budgetary allocation (Capital cost) :</b>	Rs.2.70 Lakh
	<b>Budgetary allocation (O &amp; M cost) :</b>	Rs.0.012 Lakh/annum
	<b>Details of UGT tanks if any :</b>	Domestic UG tank Capacity: 130 and 260 CMD Flushing UG tank Capacity: 45 CMD Fire UG tank Capacity: 300 CMD

<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	Sloping from NS to EW Direction
	<b>Quantity of storm water:</b>	15837 m3
	<b>Size of SWD:</b>	200 mm to 450 mm

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<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	236
	<b>STP technology:</b>	MBBR
	<b>Capacity of STP (CMD):</b>	1 no. x 75 CMD, 1 no. x 160 CMD
	<b>Location &amp; area of the STP:</b>	Near Entrance and STP 1 : 75 CMD & area is 50 m2, STP 2 : 160 CMD & area is 150-160 m2
	<b>Budgetary allocation (Capital cost):</b>	Rs.60 Lakh
	<b>Budgetary allocation (O &amp; M cost):</b>	Rs.7.70 Lakh/year

### 36.Solid waste Management

<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	During construction : 25 kg/day
	<b>Disposal of the construction waste debris:</b>	(Including Existing + proposed) Excavation debris 8490 m3 and Topsoil to be preserved & remaining will be used for back filling
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	383 kg/day
	<b>Wet waste:</b>	552 kg/day
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	30 kg/day approx
	<b>Others if any:</b>	E Waste : 2.94 kg/day
<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Handed over to authorized recyclers
	<b>Wet waste:</b>	Vermin composting and Smart Organic waste composter
	<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>	E waste : Handed over to authorized recyclers
<b>Area requirement:</b>	<b>Location(s):</b>	Near proposed E building & existing A4 bungalow
	<b>Area for the storage of waste &amp; other material:</b>	13.5 m2
	<b>Area for machinery:</b>	45 m2
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs.16.75 Lakhs
	<b>O &amp; M cost:</b>	Rs.3.30 Lakhs/Annum

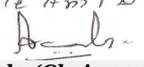
### 37.Effluent Charecteristics

Serial Number	Parameters	Unit	Inlet Effluent Charecteristics	Outlet Effluent Charecteristics	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			

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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						

### 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	3 no. of DG set - Stack	Diesel and 75 lit/hr	DG stack	4.4 m and 3.6 m	Not applicable	Not applicable

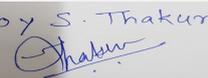
### 40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel	13.8 lit per hr	61.2 per hr	75 lit per hr
41.Source of Fuel		nearest point		
42.Mode of Transportation of fuel to site		by road		

<b>43.Green Belt Development</b>	<b>Total RG area :</b>	Required RG area on ground 2828.07 m <sup>2</sup> : RG 1 : 2222.80 m <sup>2</sup> RG 2 : 605.27 m <sup>2</sup> Total RG area provided 2828.07 m <sup>2</sup>
	<b>No of trees to be cut :</b>	NA
	<b>Number of trees to be planted :</b>	295 no. out of 204 was completed on site as per EC
	<b>List of proposed native trees :</b>	16
	<b>Timeline for completion of plantation :</b>	Upto project completion

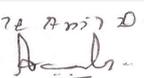
### 44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Albizia lebbeck	Shirish	16	Shaddy tree, yellow green fragrant flower
2	Saraka Asoka	Sita Ashok	15	Shaddy tree, red flower
3	Cassia fistula	Bahava	19	Medium size, deciduous tree, beautiful yellow flowers, beautiful host plant
4	Mimusops elengi	Bakul	16	Shaddy tree, small white green fragrant flower
5	Nyctanths arbortristris	Parijatak	17	Small deciduous fast growing tree

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6	Lagerstroemia flosregineae	Tamhan	23	Medium size with purple colour beautiful flowers
7	Bauhinia racemosa	Apta	15	Small tree with small white flowers
8	Azadiricta indica	Neem	27	Semi evergreen tree with medicinal value
9	Mangifera indica	Mango	34	Shady long, fruit bearing tree
10	Plumeria alba	White Champa	6	Small tree with fragrant flowers
11	Areca catechu	Supari	20	Palm, fruit bearing
12	Butea monosperma	Flame of Forest	10	Medium size, deciduous tree, beautiful orange flower butter fly host plant
13	Caryota urens	Fish tail palm	21	Tall evergreen tree
14	Michelia champaca	Son chafa	36	Medium size evergreen tree butter fly host plant
15	Putranjiva roxburghii	Putrajiva	10	Medium size evergreen tree
16	Syzgium cumini	Jambul	10	Bird feeder, large tree, evergreen
17	-	Total	295	-

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

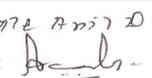
**46.Number and list of shrubs and bushes species to be planted in the podium RG:**

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>	75 kW
	<b>DG set as Power back-up during construction phase</b>	1 No. x 82.5 kVA
	<b>During Operation phase (Connected load):</b>	700 + 1678 = 2378 kW
	<b>During Operation phase (Demand load):</b>	497 + 829 = 1326 kW
	<b>Transformer:</b>	Existing : 1 no. x 630 kVA , Proposed : 1 no. x 630 kVA and 1 no. x 315 kVA
	<b>DG set as Power back-up during operation phase:</b>	Existing : 1 No. X 82.5 kVA and Proposed : 2 No. X 320 kVA
	<b>Fuel used:</b>	Diesel
	<b>Details of high tension line passing through the plot if any:</b>	NA

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

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- Auto Timer control for external & Common lighting
- Use of LED in Parking area, lift-lobby and stair-case and in all public area
- Using Solar system in Common Area Lighting (10%). & Street/ Landscape lights with LED lamps
- Solar powered water heating
- Electrical V3F drive is for all lifts
- As per MSEDCL requirements, it is recommended to use low loss Transformer.
- Losses for Transformer shall, in principal, comply with ECBC norms.
- Recommend to attain power factor of the installation near unity.
- Independent Energy meters for all pollution control equipment's.
- Solar PV panel power for common area lighting

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

Serial Number	Energy Conservation Measures	Saving %
1	Solar PV panels : Solar Energy - Outdoor lightining/ street light and saving % is 0.81	30375
2	Auto timer Logic Controller and saving % is 1.57	59182
3	Electronic V3F drive for Lifts and saving % is 0.39	93322
4	Solar Water heater and saving % is 6.93	261000
5	Total	365261
6	Total energy saving shall be achieved up-to	9.71%

#### 50.Details of pollution control Systems

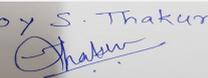
Source	Existing pollution control system	Proposed to be installed
STP - 2 Nos.	1 no. x 75 CMD	1 no. x 160 CMD
Solid waste management - OWC	Vermicomposting	OWC
D.G Sets - 3 Nos.	1 No. X 82.5 kVA	2 No. X 320 kVA

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs.28.16 lakh
	<b>O &amp; M cost:</b>	Rs.1.95 lakh/year

#### 51.Environmental Management plan Budgetary Allocation

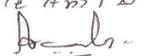
##### a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air & Noise	Water For Dust Suppression	1.62
2	Air & Noise	Air & Noise monitoring	1.46
3	Water	Tanker water for construction & worker	1.62
4	Water	Water monitoring	0.6
5	Land	Labour toilets 10 Nos. Cleaning 10,000 Rs./month	1.0
6	Biological	Gardening & Excavation	3.5
7	Socio	Disinfection at site	1.8
8	Socio	Safety, First Aid, Health Hygiene Facilities	0.23

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9	Socio	Creches for children	3.8
10	Socio	Personal Protective Equipment CFL lamps for labor hutments	1.22
11	Total EMP	Total	16.85

**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 Cost	2 STP	60.00	7.7
2	Rain Water Harvesting	Pits and borewell	2.7	0.012
3	Storm water drainage	-	30.00	0.60
4	Environmental Monitoring	Monitoring	-	1.5
5	Gardening	Plantation of native trees	68.59	4.85
6	Solid waste	OWC	16.75	3.30
7	Energy	Energy saving measures	28.16	1.95
8	Swimming pool	2 no.	25	1.81
9	Total	EMP	203.04	21.722

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

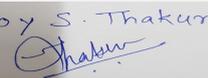
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

**52.Any Other Information**

No Information Available

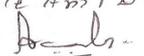
**53.Traffic Management**

Nos. of the junction to the main road & design of confluence:	1 No.
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<b>Parking details:</b>	<b>Number and area of basement:</b>	1 no. of Basement and area is 3911 m2
	<b>Number and area of podia:</b>	1 no. of Podium and area is 840 m2
	<b>Total Parking area:</b>	7797.30 m2
	<b>Area per car:</b>	Podium : 30 m2 Basement : 35 m2 Ground : 30 m2 Open : 25 m2
	<b>Area per car:</b>	Podium : 30 m2 Basement : 35 m2 Ground : 30 m2 Open : 25 m2
	<b>Number of 2-Wheelers as approved by competent authority:</b>	Building A, B, C, D1 & D2 : 2 wheeler : 212 no. and Cycles 212 no. AND Building E and F : 2 wheeler : 523 no. and Cycles 261 no.
	<b>Number of 4-Wheelers as approved by competent authority:</b>	Building A, B, C, D1 & D2 : 4 wheeler : 53 no. AND Building E and F : 4 wheeler : 261 no.
	<b>Public Transport:</b>	Bus
	<b>Width of all Internal roads (m):</b>	9 m
	<b>CRZ/ RRZ clearance obtain, if any:</b>	NA
	<b>Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries</b>	NA
	<b>Category as per schedule of EIA Notification sheet</b>	8(a)B2
	<b>Court cases pending if any</b>	NA
	<b>Other Relevant Informations</b>	We have received the Environmental clearance from SEIAA, Govt. of Maharashtra dated 18th July, 2016 EC for plot area 28,750 m2, FSI area 32,111.06 m2 and Non FSI area 31,456.94 m2 and total builtup area 63,568 m2 We have completed the construction area is about 14105.62 m2 (building A, B, C D1 & D2) and included services as per received EC. Now we are applying for Expansion - Amendment in EC - for building E & F and G
	<b>Have you previously submitted Application online on MOEF Website.</b>	No
	<b>Date of online submission</b>	-

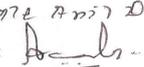
## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

<b>Environmental Impacts of the project</b>	-
<b>Water Budget</b>	-
<b>Waste Water Treatment</b>	-

  
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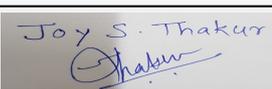
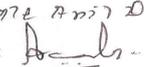
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-
Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

### Brief information of the project by SEAC

PP has submitted his application for prior Environmental clearance for total plot area of 28750 m<sup>2</sup>, FSI area of 33955.40 m<sup>2</sup>, Non FSI area of 19985.03 m<sup>2</sup> and total BUA of 53940.43 m<sup>2</sup>.

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

### DECISION OF SEAC

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**During discussion following points emerged:**

1. PP to submit phase wise programme for proposed construction with mitigation measures taken to avoid inconvenience to existing / nearby occupants.
2. PP to submit master layout superimposing all environmental parameters.
3. PP to submit details of STP.
4. PP to obtain and submit following NOC's: (a) Water supply (b) Garden NOC.
5. PP to submit plantation plan incorporating local native fruit bearing trees and survival report of 19 trees of Phase-II.

PP requested for time to submit the information sought; after deliberations committee asked PP to **comply** with the observations and submit information to the committee for further discussion and consideration of SEAC.

**Specific Conditions by SEAC:**

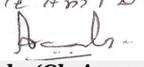
**FINAL RECOMMENDATION**

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

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Signature:   
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SEAC-III)

**93rd SEAC-3 Day 02****SEAC Meeting number: 93 Meeting Date** September 4, 2019**Subject:** Environment Clearance for Expansion in residential cum commercial project**Is a Violation Case:** No

<b>1.Name of Project</b>	Ganga Florentina
<b>2.Type of institution</b>	Private
<b>3.Name of Project Proponent</b>	Shree Balaji Realty
<b>4.Name of Consultant</b>	Pollution and Ecology Control Services
<b>5.Type of project</b>	Housing project
<b>6.New project/expansion in existing project/modernization/diversification in existing project</b>	Expansion in existing project
<b>7.If expansion/diversification, whether environmental clearance has been obtained for existing project</b>	Yes, previous EC vide no. SEAC 2012/CR 109/TC-2 dated 5th Feb 2015
<b>8.Location of the project</b>	S. No. 36 (P) and 28 (P)
<b>9.Taluka</b>	Haveli
<b>10.Village</b>	Mohammadwadi
<b>Correspondence Name:</b>	Mr. Annuj Goel
<b>Room Number:</b>	0
<b>Floor:</b>	Ground floor
<b>Building Name:</b>	San Mahu Complex
<b>Road/Street Name:</b>	Poona Club Road
<b>Locality:</b>	Camp
<b>City:</b>	Pune
<b>11.Whether in Corporation / Municipal / other area</b>	Pune Municipal Corporation
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	In process
	<b>IOD/IOA/Concession/Plan Approval Number:</b> Not applicable
	<b>Approved Built-up Area:</b>
<b>13.Note on the initiated work (If applicable)</b>	Construction done 25944.90 sqm as per previous EC and sanction number vide XXX dated XXX
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	Not applicable
<b>15.Total Plot Area (sq. m.)</b>	54484.06
<b>16.Deductions</b>	9422.31
<b>17.Net Plot area</b>	42976.29
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> 96409.03
	<b>b) Non FSI area (sq. m.):</b> 50190.97
	<b>c) Total BUA area (sq. m.):</b> 146600
<b>18 (b).Approved Built up area as per DCR</b>	<b>Approved FSI area (sq. m.):</b> 30342.67
	<b>Approved Non FSI area (sq. m.):</b> 5057.11
	<b>Date of Approval:</b> 05-02-2019
<b>19.Total ground coverage (m2)</b>	18700
<b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>	43.51
<b>21.Estimated cost of the project</b>	1981081000

**22.Number of buildings & its configuration**

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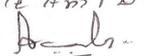
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A (1)	G/P +P1 +15	49.95
2	B (1)	G/P + P +15	49.95
3	C (1)	G/P + P1 +15	49.95
4	D (1)	G/p + P1 +15	49.95
5	F (1)	B1+B2+G/P+P1+08	29.00
6	G(1)	B2+B1+G/P+P+08	20.30
7	H (1)	G/P + P1+ P 2+21	69.60
8	I (1) Wing I -1, Wing I-2	G/P + P1+ P2+ 21	69.60
9	Club House	G +1	7.45

23.Number of tenants and shops	872 + shops
24.Number of expected residents / users	Residential : 4360 commercial : 173
25.Tenant density per hectare	250 tenements /hector
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	18 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	A,B, C buildings, D commercial completed.
30.Details of the demolition with disposal (If applicable)	Temporary site office will be demolished

### 31.Production Details

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

### 32.Total Water Requirement

 <b>Joy S.Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 93 Meeting Date: September 4, 2019</b>	<b>Page 93 of 133</b>	<b>Name: K. Anil Kale</b>  <b>Shri. Anil Kale (Chairman SEAC-III)</b>
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Dry season:	Source of water	PMC
	Fresh water (CMD):	395
	Recycled water - Flushing (CMD):	201
	Recycled water - Gardening (CMD):	96
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	604
	Fire fighting - Underground water tank(CMD):	500
	Fire fighting - Overhead water tank(CMD):	25
	Excess treated water	260
Wet season:	Source of water	PMC
	Fresh water (CMD):	395
	Recycled water - Flushing (CMD):	201
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	593
	Fire fighting - Underground water tank(CMD):	500
	Fire fighting - Overhead water tank(CMD):	25
	Excess treated water	357
Details of Swimming pool (If any)	Not applicable	

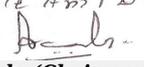
### 33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	83	312	395	8	31	39	75	281	356

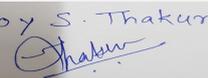
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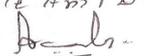
Name: K. Anil Kale  
  
 Shri. Anil Kale (Chairman SEAC-III)

<b>34. Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	Summer Season - 21.50 m. to 33.75 m. BGL. (27.63 m. Average) Rainy Season - 8.00 m. to 11.50 m. BGL. (9.75 m. Average) Winter Season - 14.75 m. to 22.63 m. BGL. (18.69 m. Average)
	<b>Size and no of RWH tank(s) and Quantity:</b>	NA
	<b>Location of the RWH tank(s):</b>	NA
	<b>Quantity of recharge pits:</b>	16 Nos. with bore + 14 No. Soak pits = Total 30 No
	<b>Size of recharge pits :</b>	a) 16 no. of 2.50 m. X 2.50 m. X 1.75 m. Depth with 40 to 60 m. Deep 6" Dia. Bore Well via 2 No. of de-siltation pits of 0.9 m. Dia. 1.0 m. Depth. & b) 14 no. of 1.0 m. X 1.0 m. X 1.00 m. Soak Pits
	<b>Budgetary allocation (Capital cost) :</b>	21.50 /- lakhs
	<b>Budgetary allocation (O &amp; M cost) :</b>	0.30 lakhs p.a.
	<b>Details of UGT tanks if any :</b>	Domestic water : 595 KLD Fire tank: 500 KLD
<b>35. Storm water drainage</b>	<b>Natural water drainage pattern:</b>	As per contour
	<b>Quantity of storm water:</b>	25,046.32 m <sup>3</sup> / Year
	<b>Size of SWD:</b>	250 mm - 600 mm
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	557
	<b>STP technology:</b>	MBBR
	<b>Capacity of STP (CMD):</b>	Existing STP 310 KLD Proposed STP: 275 KLD
	<b>Location &amp; area of the STP:</b>	As per layout Area: 600 sqm
	<b>Budgetary allocation (Capital cost):</b>	146 /- lakhs
	<b>Budgetary allocation (O &amp; M cost):</b>	15 lakhs p.a.
<b>36. Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	1 %
	<b>Disposal of the construction waste debris:</b>	Use for filling on same plot
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	898
	<b>Wet waste:</b>	1325
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	30 kg/day
	<b>Others if any:</b>	E waste : 1087 kg/year

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<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Through authorized vendor
	<b>Wet waste:</b>	mechanical composting unit
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	mechanical composting unit
	<b>Others if any:</b>	E waste- through authorized vendor
<b>Area requirement:</b>	<b>Location(s):</b>	As per layout
	<b>Area for the storage of waste &amp; other material:</b>	35 sqm
	<b>Area for machinery:</b>	100 sqm
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	35 lakhs
	<b>O &amp; M cost:</b>	5 /- lakhs p.a.

### 37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	Not applicable	6.5 -8.5	6.5-7.5	Not applicable
2	BOD	mg/l	200-300	<10	<30
3	COD	mg/l	350-450	<30	not more than 250
4	TSS	mg/l	250	<10	not more than 100
5	TDS	mg/l	---	<1000	Not applicable
6	Oil and grease	mg/l	<50	<5	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

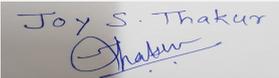
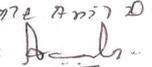
### 38. Hazardous Waste Details

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

### 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

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

<b>43.Green Belt Development</b>	<b>Total RG area :</b>	4561.91
	<b>No of trees to be cut :</b>	29
	<b>Number of trees to be planted :</b>	614
	<b>List of proposed native trees :</b>	As per list
	<b>Timeline for completion of plantation :</b>	2 years

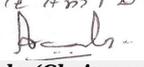
#### 44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Acrus sapota	Chikku	23	Fruit bearing tree,attracts birds
2	Syzygium cumini	Jambhul	23	Fruit bearing tree,attracts birds
3	Mangifera indica	Mango	23	Fruit bearing tree,attracts birds
4	Arthocarpus heterophyllus	Phanus	23	Fruit bearing tree
5	Carica papaya	Papaya	23	Fruit bearing tree
6	Murraya panuculata	Kunti	23	Blooms through out the year, flowers with excellent fragrance
7	Annona reticulata	Ramphal	23	Fruit Bearing Tree
8	Khaya grandis	Khaya	22	Fruit Bearing Tree, shady, deciduous
9	Tectona grandis	Saag	23	Deciduous , flowering tree
10	Muntingia calabura	Singapore cherry	22	Fast growing,medium size, fruit bearing tree,attract birds
11	Nyctanthesarbor-tristis	Prajakta	22	Fragrant Flowers
12	Saraca indica	Sita ashok	23	Evergreen tree with rounded crown and hardy tree
13	Anthocephyallus cadamba	Kadamb	23	Shady large tree, ball shaped flowers
14	Grewia tiliaefolia	Dhaman	23	Deciduous, drought resistant
15	Cassia fistula	Bahawa	23	Medium size deciduous tree. Grows in less soil or murum. Full of yellow flowers in summer season.
16	Largerstromia flos-reginae	Largerstromia	22	Medium size grow in dry/ arid climate
17	Michelia champaca	Son chafa	22	Medium size evergreen tree, fragrant yellow flowers
18	Ailanthus excelsa	Maharukh	23	Deciduous quick growing, shady
19	Butea monosperma	Palas	23	Used in forestation of saline and water logged regions

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20	Albezzia lebbeck	Shirish	23	Quick growing, hardy, good soil binder, drought tolerant
21	Bahuinia racemosa	Apta	22	Deciduous, drought resistant
22	Cordia	Cordia	22	Fragrant Flowers
23	Azadirachta indica	Neem	23	Medicinal properties, quick growing, good air purifier
24	Pongamia pinnata	Karanj	23	It is larval host of butterflies, nitrogen fixing plant
25	Acrus phyllanthus embilica sapota	Amla	23	Medicinal properties
26	Psidium gujava	Peru	23	Fruit bearing tree, attracts birds
27	Bahuinia purpurea	Kanchan	23	Grow in less soil, drought resistant
<b>45.Total quantity of plants on ground</b>				

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

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

**47.Energy**

<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	75 KW
	<b>DG set as Power back-up during construction phase</b>	82.5 KVA
	<b>During Operation phase (Connected load):</b>	5030 KW
	<b>During Operation phase (Demand load):</b>	2415 KW
	<b>Transformer:</b>	4 X 630 KVA and 315 KVA X 1
	<b>DG set as Power back-up during operation phase:</b>	160 KVA X 1 and 320 KVA X 1 and 180 KVA X 1
	<b>Fuel used:</b>	Diesel
	<b>Details of high tension line passing through the plot if any:</b>	NA

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

Auto Timer control for external & Common lighting  
 Use of CFL / LED lamps in all public/ common areas.  
 Solar powered water heating .  
 Electronic V3F Drives for Elevators  
 Solar PV Panel power for common area lighting.

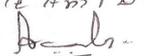
**49.Detail calculations & % of saving:**

Serial Number	Energy Conservation Measures	Saving %
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1	Solar PV cell	58050 KWH/Anum
2	Timer Logic Controller	95839 KWH/Anum
3	Electronic V3F drive for Lifts	37576 KWH/Annum
4	Solar Water Heater	1110816 KWH/Annum

### 50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Water pollution	STP	STP
Solid waste	OWC	OWC

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	55 lakhs
	<b>O &amp; M cost:</b>	4 lakhs p.a.

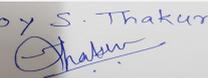
### 51.Environmental Management plan Budgetary Allocation

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

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Erosion control	dust suppression measures, barricading and top soil preservation	7.50
2	Site Sanitation & Safety	Mobile STP and proper storm and drainage lines	25.00
3	Disinfection	Pest control	7.50
4	Health check up	Health camp	12.50
5	Environmental monitoring	Air, water, soil and noise monitoring and analysis	2.00

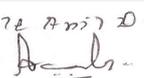
#### b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP	Installation, construction and operation	146	15
2	Solid Waste Management	Machine and raw material cost, installation and operation	35	5
3	Rain water harvesting	construction of pits, piping, bore well	21	5
4	Rain water harvesting	construction of pits, piping, bore well	21	5
5	Landscape	Plantation, lawn and maintainance	107	21.50
6	Energy	Energy saving measures	55	4
7	Environmental monitoring	Air, water, soil and noise monitoring and analysis	0	1.60

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

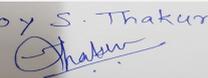
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

## 52.Any Other Information

No Information Available

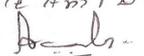
## 53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1
Parking details:	Number and area of basement:	Basement no. 2 Area: 13,766.08 sqm
	Number and area of podia:	Podium no. 2 : Area: 26199.02 sqm
	Total Parking area:	46,755.60 sqm
	Area per car:	35 sqm and 30 sqm
	Area per car:	35 sqm and 30 sqm
	Number of 2-Wheelers as approved by competent authority:	1900
	Number of 4-Wheelers as approved by competent authority:	1279
	Public Transport:	NA
	Width of all Internal roads (m):	NA
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8(a)
	Court cases pending if any	Yes

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	<b>Other Relevant Informations</b>	court case is pending for violation of EIA notification 2006 since 2014. PP started construction of residential building without taking prior Environmental clearance. The construction done was below 20,000 sqm.
	<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>	-
<b>Air Quality &amp; Noise Level issues</b>	-
<b>Energy Management</b>	-
<b>Traffic circulation system and risk assessment</b>	-
<b>Landscape Plan</b>	-
<b>Disaster management system and risk assessment</b>	-
<b>Socioeconomic impact assessment</b>	-
<b>Environmental Management Plan</b>	-
<b>Any other issues related to environmental sustainability</b>	-

### Brief information of the project by SEAC

PP remained **absent**. The proposal was deferred.

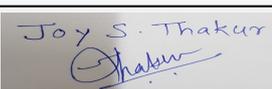
### DECISION OF SEAC

PP remained **absent**. The proposal was deferred.

Specific Conditions by SEAC:

### FINAL RECOMMENDATION

Kindly find SEIAA decision above.

  
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## 93rd SEAC-3 Day 02

**SEAC Meeting number: 93 Meeting Date September 4, 2019**

**Subject:** Environment Clearance for Environment Clearance for "Vishwakarma Prestige Phase 2", proposed residential & commercial project ,at Plot No. 01 on R.S. No. 103/3/1, 2 & 3(Part), 'E' Ward, Nagala park, near Khanvilkar Petrol pump, Tal. Karveer, Dist. Kolhapur, Maharashtra , by M/s. Vishwakarma Grahnrman Pvt. Ltd.

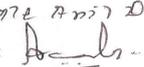
**Is a Violation Case:** No

<b>1.Name of Project</b>	Vishwakarma Prestige Phase 2
<b>2.Type of institution</b>	Private
<b>3.Name of Project Proponent</b>	M/s. Vishwakarma Grahnrman Pvt. Ltd., Name : Mr. Shankar Maruti Gavade, Address : Rajarampuri, 9th lane, Ace Arcade, 2nd Floor, opp. Lucky Bazar, Kolhapur , Maharashtra., Mob No : 9422046580, Mail Id : gavadeshankar@yahoo.com
<b>4.Name of Consultant</b>	Goldfinch Engineering System Private Limited Plot No. A-288, Road No. 16 Z, Opp. Agriculture Office Bus-stop, Thane Industrial Area, MIDC (Wagle Estate), Thane (W) - 400604, Maharashtra, India. PH: 91-22-25801529/21/46 Accreditation No : NABET/EIA/1518/RA0066
<b>5.Type of project</b>	Residential & Commercial Project
<b>6.New project/expansion in existing project/modernization/diversification in existing project</b>	Expansion in existing project
<b>7.If expansion/diversification, whether environmental clearance has been obtained for existing project</b>	NO
<b>8.Location of the project</b>	Plot No. 01 on R.S. No. 103/3/1, 2 & 3(Part), 'E' Ward, Nagala park, near Khanvilkar Petrol pump.
<b>9.Taluka</b>	Karveer
<b>10.Village</b>	Karveer
<b>Correspondence Name:</b>	Mr. Shankar Maruti Gavade
<b>Room Number:</b>	SC1 & SC2
<b>Floor:</b>	Second Floor
<b>Building Name:</b>	Ace Arcade
<b>Road/Street Name:</b>	Rajarampuri, 9th lane
<b>Locality:</b>	Kolhapur
<b>City:</b>	Kolhapur
<b>11.Whether in Corporation / Municipal / other area</b>	Kolhapur Municipal Corporation
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	Kolhapur Municipal Corporation <b>IOD/IOA/Concession/Plan Approval Number:</b> IOD/IOA/Concession/Plan Approval Number : In process <b>Approved Built-up Area:</b> 39253.26
<b>13.Note on the initiated work (If applicable)</b>	As per previus sanction
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	NA
<b>15.Total Plot Area (sq. m.)</b>	9450.49 sq.mt.
<b>16.Deductions</b>	1355.98 sq.mt.
<b>17.Net Plot area</b>	8094.51 sq.mt.
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> 22308.02 sq.mt.
	<b>b) Non FSI area (sq. m.):</b> 16945.24 sq.mt.
	<b>c) Total BUA area (sq. m.):</b> 39253.26
<b>18 (b).Approved Built up area as per DCR</b>	<b>Approved FSI area (sq. m.):</b> 5682.50 sq.mt.
	<b>Approved Non FSI area (sq. m.):</b> 5537.00 sq.mt.
	<b>Date of Approval:</b> 25-05-2015
<b>19.Total ground coverage (m2)</b>	5437.92 sq.mt.

  
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**Name:** K. Anil D.  
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20. Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	57.54 %
21. Estimated cost of the project	300000000

## 22. Number of buildings & its configuration

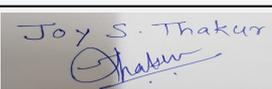
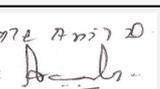
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Phase - I Building	ST+6 Floors	20.40 m
2	Phase - II 'A' Building	2P+11 Floors	37.25 m
3	Phase - II 'B' Building	ST+7 Floors	28.35 m
4	Club house	Ground Floor + 1 Floor	8.39 m

23. Number of tenants and shops	Existing Tenement : 78 Nos. Proposed Tenement : 176 Nos. Commercial : 27 Nos.
24. Number of expected residents / users	Existing Residential - 390 Proposed Residential - 880 Comm.- 241
25. Tenant density per hectare	250 /ha
26. Height of the building(s)	
27. Right of way (Width of the road from the nearest fire station to the proposed building(s))	Nearest fire station distance 1.9 km, Road Width = 18 m ,30 m
28. Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.00 m
29. Existing structure (s) if any	YES
30. Details of the demolition with disposal (If applicable)	NA

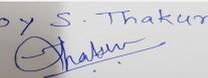
## 31. Production Details

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

## 32. Total Water Requirement

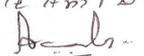
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<b>Dry season:</b>	<b>Source of water</b>	Kolhapur Municipal Corporation							
	<b>Fresh water (CMD):</b>	Existing = 35.10 , Proposed = 85.23 , Total =120.33							
	<b>Recycled water - Flushing (CMD):</b>	Existing = 17.55 , Proposed =44.42 , Total =61.97							
	<b>Recycled water - Gardening (CMD):</b>	Existing = 3.00 , Proposed = 10.00 , Total =13.00							
	<b>Swimming pool make up (Cum):</b>	Existing = 0.00 , Proposed = 5.00 , Total =5.00							
	<b>Total Water Requirement (CMD) :</b>	Existing = 55.65 , Proposed =144.65 , Total =200.30							
	<b>Fire fighting - Underground water tank(CMD):</b>	Proposed = 250 CMD							
	<b>Fire fighting - Overhead water tank(CMD):</b>	Proposed Residential =25 CMD , Proposed Commercial =20 CMD							
	<b>Excess treated water</b>	Existing = 21.57, Proposed = 49.30 , Total =70.87							
<b>Wet season:</b>	<b>Source of water</b>	Kolhapur Municipal Corporation							
	<b>Fresh water (CMD):</b>	Existing = 35.10 , Proposed = 85.23 , Total =120.33							
	<b>Recycled water - Flushing (CMD):</b>	Existing = 17.55 , Proposed =44.42 , Total =61.97							
	<b>Recycled water - Gardening (CMD):</b>	0							
	<b>Swimming pool make up (Cum):</b>	Existing = 0.00 , Proposed = 5.00 , Total =5.00							
	<b>Total Water Requirement (CMD) :</b>	Existing = 52.65 , Proposed =134.65 , 187.3							
	<b>Fire fighting - Underground water tank(CMD):</b>	Proposed = 250 CMD							
	<b>Fire fighting - Overhead water tank(CMD):</b>	Proposed Residential =25 CMD , Proposed Commercial =20 CMD							
	<b>Excess treated water</b>	Existing = 24.57 , Proposed = 59.30 , Total = 83.87							
<b>Details of Swimming pool (If any)</b>	Dimension of Swimming Pool : Main Pool :- 15 X 7.5 X 1.5 Kids Pool :- 4 X 7.5 X 0.6 Total Water Requirement in KLD : 205.42 Water requirement for make up in KLD : 5.00 Capital Cost : 6150213/- O & M cost : 353143/-								
<b>33.Details of Total water consumed</b>									
<b>Particulars</b>	<b>Consumption (CMD)</b>			<b>Loss (CMD)</b>			<b>Effluent (CMD)</b>		
<b>Water Requirement</b>	<b>Existing</b>	<b>Proposed</b>	<b>Total</b>	<b>Existing</b>	<b>Proposed</b>	<b>Total</b>	<b>Existing</b>	<b>Proposed</b>	<b>Total</b>
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

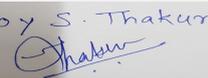
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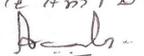
**Name: K. Anil Kale**  
  
**Signature: Shri. Anil Kale (Chairman SEAC-III)**

<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	Post monsoon : 4.70 m, Pre monsoon : 8.70 m
	<b>Size and no of RWH tank(s) and Quantity:</b>	NA
	<b>Location of the RWH tank(s):</b>	NA
	<b>Quantity of recharge pits:</b>	13 Nos.
	<b>Size of recharge pits :</b>	3M X 2M X 3M
	<b>Budgetary allocation (Capital cost) :</b>	28.00 Lacs
	<b>Budgetary allocation (O &amp; M cost) :</b>	0.84 Lacs/Year
	<b>Details of UGT tanks if any :</b>	Domestic Capacity (Lit) : 1,82,000 Ltr Flushing UG Tank Capacity (Lit) : 95,000 Ltr Fire Fighting Capacity (Lit) : 250,000 Ltr
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	As Per Contour
	<b>Quantity of storm water:</b>	2.65 m3/min
	<b>Size of SWD:</b>	300 mm diameter
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	Existing :- 47.39, Proposed :- 116.68
	<b>STP technology:</b>	MBBR
	<b>Capacity of STP (CMD):</b>	Existing = 50, Proposed = 120
	<b>Location &amp; area of the STP:</b>	As per drawing
	<b>Budgetary allocation (Capital cost):</b>	Existing = 21.60 Lacs , Proposed = 44.64 Lacs
	<b>Budgetary allocation (O &amp; M cost):</b>	Existing = 6.50 Lacs/yr, Proposed = 9.00 Lacs/yr
<b>36.Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	Exaction :- 16134 Cum, Filling In Plinth :- 7500 Cum
	<b>Disposal of the construction waste debris:</b>	Exaction :- 16134 Cum, -Using For Road & Driveways Filling Bag - 1,50,000 Bag,- Using For Recycling Still - 28 MT AAC Block - 144 Cum- Using for water proofing work Flooring & Dado Tiles - 1150 Sq.Mt. - Using For Road & Driveways Filling Tile Boxes- 44750 Nos - Using For Recycling Paint Container - 1570 Nos
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	212.15 kg/day
	<b>Wet waste:</b>	288 kg/day
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	18.7 kg
	<b>Others if any:</b>	NA

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<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Dry waste will be sent for recycling to KMC
	<b>Wet waste:</b>	Wet waste will be converting to composting for by OWC
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	STP sludge sent to SWM site for converting in to compost
	<b>Others if any:</b>	NA
<b>Area requirement:</b>	<b>Location(s):</b>	As per Drawing
	<b>Area for the storage of waste &amp; other material:</b>	8.00 m
	<b>Area for machinery:</b>	28.00 sqm
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	12.75 lacs
	<b>O &amp; M cost:</b>	2.8 lacs/Yr

### 37. Effluent Characteristics

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

### 38. Hazardous Waste Details

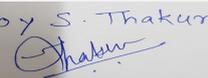
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable						

### 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

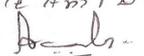
### 40. Details of Fuel to be used

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

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<b>43.Green Belt Development</b>	<b>Total RG area :</b>	1355.98 Sq.mt.
	<b>No of trees to be cut :</b>	NA
	<b>Number of trees to be planted :</b>	137 Nos.
	<b>List of proposed native trees :</b>	List presented below
	<b>Timeline for completion of plantation :</b>	Before 1 year construction

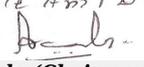
#### 44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Bakul	Mimusops Elengi	6	Shady tree, small white fragrant flower
2	Kadamba	Neolamarckia Cadamba	9	Fruit bearing tree, attracts birds
3	Indian beech	Pongamia Pinnata	9	Good medicinal use
4	Rakta Kanchan	Bauhinia Purpuria	9	Fragrant flowers or leaves, plant for pooja, evergreen tree
5	Sonchafa	Michellia Chamapaka	6	Flower butterfly host plant, medium size evergreen tree, fragrant yellow flowers
6	Jarul	Lagerstromia Flosregina	6	Creates shade, attracts birds/ butterflies/ bees, good for screening
7	Shirish	Albizia Lebbeck	6	Fragrant flowers or leaves, attracts birds/ butterflies/ bees, drought tolerant
8	Mango	Mangifera Indica	6	Tall evergreen tree with fruit bearing
9	Jackfruit	Artocarpus Heterophyllus	5	Tall evergreen tree with fruit bearing
10	Jamun	Syzygium Cumini	6	Tall evergreen tree with fruit bearing
11	Sita Ashok	Saraca Indica	6	Fragrant flowers or leaves, attracts birds/ butterflies/ bees, deep green, shiny foliage
12	Palas	Butea Monosperma	6	Fragrant flowers or leaves, flowers covering the entire crow in plant for pooja
13	Neem	Azadirachta Indica	6	Plant for pooja/ evergreen fragrant flowers or leaves, quick growing/ insect repellent
14	Khaya	Khaya Grandis	6	Evergreen tree
15	Golden Shower	Cassia Fistula	6	Auspicious, attracts birds/ bees/ butterflies. Hanging or weeping growth
16	Fish Tail Palms	Caryota Urens	6	Tall evergreen tree
17	Cotton Tree	Bombax Ceiba	6	Shady tree, small white fragrant flowers

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18	Ashok	Polyalthia Longifolia	6	Ornamental tree
19	Kailashpati	Kailashpati Couroupita	6	Evergreen tree with fruit bearing
20	Putranjiva	Putranjiva Roxburghii	5	Evergreen tree with medicinal use
21	Parijat	Nyctanthes Arbor-tristis	3	Small flowering tree
22	Chapha	Plumeria Alba	3	Evergreen tree with fragrant flowers
23	Supari Palms	Areca Catechu	4	Ornamental nutty tree

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

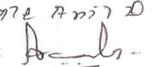
**46.Number and list of shrubs and bushes species to be planted in the podium RG:**

Serial Number	Name	C/C Distance	Area m2
1	Jasminum	0.6	18.15
2	Ratrani	0.45	24.50
3	Tulsi	0.45	22.40
4	White Piumbago	0.45	20.20
5	Kanher	0.45	22.25
6	Tagar	0.45	26.60
7	Spyder Lily	0.30	23.40
8	Mogra	0.45	22.05

**47.Energy**

<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	30 KVA
	<b>DG set as Power back-up during construction phase</b>	30 KVA
	<b>During Operation phase (Connected load):</b>	1863 KW
	<b>During Operation phase (Demand load):</b>	773 KVA
	<b>Transformer:</b>	Existing=315 KVA , PROPOSED=630 KVA
	<b>DG set as Power back-up during operation phase:</b>	140 KVA X 1 Nos
	<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:**

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- 1 Timers and contactors will be used to switch on / off common are & external landscape and facade lighting.
- 2 Light Emitting Diode (LED) will be used for corridors ,Lobbies and common areas.
- 3 All fluorescent light fixtures are specified to incorporate electronic chokes which have less watt-loss compared to electro-magnetic chokes and result in superior operating power factor. This indirectly saves energy. Electronic chokes also improves life of the fluorescent lamps.
- 4 Energy efficient cfl/t5/led lamps which give approx. 30% more light output for the same watts consumed and therefore require less nos. Of fixtures and corresponding lower point wiring costs. LPD of 7.5 W/sq.mtr. in Residential areas & 10.8 W/sq.mtr. in Office areas is proposed.
- 5 All cables will be derated to avoid heating during use. This also indirectly reduces losses and improves reliability. To achieve the same we have considered current carrying capacity of all the cables laid through ground/air whichever is minimum.
- 6 75 Ltrs Solar water is provided for each flat .
- 7 Solar PV panel system is proposed for Street lighting & Building common lighting.

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

Serial Number	Energy Conservation Measures	Saving %
1	Energy savings( Solar water heating system + Solar PV panels + LED light fittings) units per year.(For renewable/solar )	20 %

#### 50.Details of pollution control Systems

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

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	24.52 Lacs
	<b>O &amp; M cost:</b>	2.15 Lacs/Year

#### 51.Environmental Management plan Budgetary Allocation

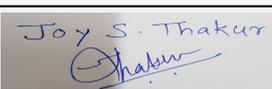
##### a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water	Dust Suppression	0.7
2	Site Sanitation, Health Check Up & Safety	Health & Safety	1.0
3	Environmental Monitoring	Air, Water, Noise Soil	0.4

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

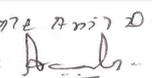
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air, water, Noise, Soil	Post Project Environment Monitoring	0.00	0.125
2	Water	Rainwater Harvesting	28.00	0.84
3	Wastewater	Sewage Treatment Plant	Existing = 21.60, Proposed = 44.64	Existing = 6.50, Proposed = 9.00
4	Municipal Solid waste	Solid waste Management	12.75	2.80
5	Plantation	Landscaping	21.00	2.00
6	Energy	Energy Savings	24.52	2.15

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

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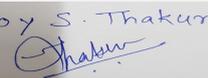
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 52. Any Other Information

No Information Available

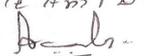
### 53. Traffic Management

	Nos. of the junction to the main road & design of confluence:	NA
Parking details:	Number and area of basement:	NA
	Number and area of podia:	1 No. , Area = 2732.97 sq.m.
	Total Parking area:	Total Area = 7469 Sqm, ( For Cycle 315 Nos. X 1.40 = 441 sqm)
	Area per car:	Covered = 30 sqm., Open = 25 sqm
	Area per car:	Covered = 30 sqm., Open = 25 sqm
	Number of 2-Wheelers as approved by competent authority:	401 Nos.
	Number of 4-Wheelers as approved by competent authority:	180 Nos. (Covered), 17 Nos. (Open)
	Public Transport:	Available near to side
	Width of all Internal roads (m):	6.00 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NO
	Category as per schedule of EIA Notification sheet	B2
	Court cases pending if any	NO
	Other Relevant Informations	NA

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	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

### SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

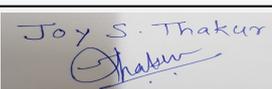
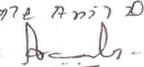
Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-
Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management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

### Brief information of the project by SEAC

PP has submitted his application for prior Environmental clearance for total plot area of 9450.49 m<sup>2</sup>, FSI area of 22308.02 m<sup>2</sup>, Non FSI area of 16945.24 m<sup>2</sup> and total BUA of 39253.26 m<sup>2</sup>.

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

### DECISION OF SEAC

 <b>Joy S.Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 93 Meeting Date: September 4, 2019</b>	<b>Page 111 of 133</b>	<b>Name: K. Anil Kale</b>  <b>Shri. Anil Kale (Chairman SEAC-III)</b>
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**During discussion following points emerged:**

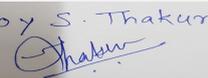
1. In CER, PP has proposed plantation plan of 200 trees and 25 number of solar street lights. PP to submit exact location where the trees will be planted and the street lights will be erected.
2. PP to submit copy of occupation of existing buildings with details of existing area / total built up area etc.
3. PP to submit geo-hydrological report incorporating details of RWH pits.
4. PP to submit details of internal storm water drain and sewer line upto final disposal point. PP to submit NOC from respective owners to lay storm water drain through private land. PP to submit drainage NOC.
5. PP to submit indemnity bond indemnifying Environment Department, GoM from any legal consequences.
6. PP to submit master layout superimposing all environmental parameters.
7. PP to obtain and submit following NOC's: (a) CFO NOC, (b) Water supply (c) solid waste / e-waste management.
8. PP to submit RG area details / drawings.
9. PP to submit survival report of existing trees. PP to submit plantation plan incorporating local native fruit bearing trees.

PP requested for time to submit the information sought; after deliberations committee asked PP to **comply** with the observations and submit information to the committee for further discussion and consideration of SEAC.

**Specific Conditions by SEAC:**

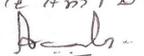
**FINAL RECOMMENDATION**

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

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SEAC-III)

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SEAC-III)

## 93rd SEAC-3 Day 02

**SEAC Meeting number: 93 Meeting Date** September 4, 2019

**Subject:** Environment Clearance for Proposed Residential Project

**Is a Violation Case:** No

1.Name of Project	Eisha Empire
2.Type of institution	Private
3.Name of Project Proponent	Pushpaganga Realtors LLP
4.Name of Consultant	Vke:Environmental
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in existing
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NO
8.Location of the project	S.No.45/1A/1B,45/1A/2 Hadapsar Pune
9.Taluka	Haveli
10.Village	Hadapsar
Correspondence Name:	Swaran Singh
Room Number:	-
Floor:	6th floor
Building Name:	San Mahu Complex
Road/Street Name:	Bund Garden Road
Locality:	Opp Poona Club
City:	Pune
11.Whether in Corporation / Municipal / other area	Pune Municipal Cororation (PMC)
12.IOD/IOA/Concession/Plan Approval Number	Plan Approval received from PMC - CC/0980/18 dated 9/7/2018
	<b>IOD/IOA/Concession/Plan Approval Number:</b> IOD Aproval number cc/0980/18 dated 9/7/2018
	<b>Approved Built-up Area:</b> 31150.27
13.Note on the initiated work (If applicable)	Building A -P+9 ,B-P+9,C-P+9,D-P+9 and E-P+9, club house -G+1
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	16700
16.Deductions	927.06
17.Net Plot area	15772.94
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 18192.3
	b) Non FSI area (sq. m.): 12957.97
	c) Total BUA area (sq. m.): 31150
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 18192.3
	Approved Non FSI area (sq. m.): 12957.97
	Date of Approval: 09-07-2018
19.Total ground coverage (m2)	2800.69
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	30%
21.Estimated cost of the project	368500000

## 22.Number of buildings & its configuration

 <b>Joy S.Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 93 Meeting Date: September 4, 2019</b>	<b>Page 113 of 133</b>	<b>Name: K ०१६ Anil D.</b>  <b>Signature: Shri. Anil Kale (Chairman SEAC-III)</b>
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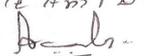
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Wing A	P+9	29.15
2	Wing B	P+9	29.15
3	Wing C	P+9	29.15
4	Wing D	P+9	29.15
5	Wing E	P+9	29.15
6	Wing F	P+12	37.70
7	Club House	G+1	5.90

23.Number of tenants and shops	288 Tenaments
24.Number of expected residents / users	1440 Residents
25.Tenant density per hectare	250
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	Nearest Fire Station at Amanora fire station,Hadapsar & Width of the road from the nearest fire station to the proposed building -24m. wide road abutting to site
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Turning radius for easy access of fire tender movement from all around the building is 9 m.
29.Existing structure (s) if any	Building A -P+9 ,B-P+9,C-P+9,D-P+9 and E-P+9, club house -G+1
30.Details of the demolition with disposal (If applicable)	NA

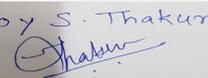
### 31.Production Details

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

### 32.Total Water Requirement

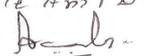
 <b>Joy S.Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 93 Meeting Date: September 4, 2019</b>	<b>Page 114 of 133</b>	<b>Name: K. Anil Kale</b>  <b>Signature: Shri. Anil Kale (Chairman SEAC-III)</b>
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Dry season:	Source of water	PMC/Recycled water from STP							
	Fresh water (CMD):	130							
	Recycled water - Flushing (CMD):	65							
	Recycled water - Gardening (CMD):	9							
	Swimming pool make up (Cum):	2.0							
	Total Water Requirement (CMD) :	204							
	Fire fighting - Underground water tank(CMD):	300							
	Fire fighting - Overhead water tank(CMD):	120							
	Excess treated water	84							
Wet season:	Source of water	PMC/Recycled water from STP							
	Fresh water (CMD):	130							
	Recycled water - Flushing (CMD):	65							
	Recycled water - Gardening (CMD):	0							
	Swimming pool make up (Cum):	2.0							
	Total Water Requirement (CMD) :	195							
	Fire fighting - Underground water tank(CMD):	300							
	Fire fighting - Overhead water tank(CMD):	120							
	Excess treated water	93							
Details of Swimming pool (If any)	Swimming pool area -10m x 6m X1.2 m Water Required - 72.00 cum Make up water required - 2.0 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

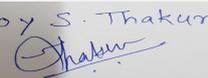
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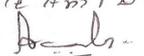
Name: K. Anil Kale  
  
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<b>34. Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	About 25 m
	<b>Size and no of RWH tank(s) and Quantity:</b>	NA
	<b>Location of the RWH tank(s):</b>	NA
	<b>Quantity of recharge pits:</b>	6
	<b>Size of recharge pits :</b>	1.5m X1.5mX1.5m
	<b>Budgetary allocation (Capital cost) :</b>	6.90 lac
	<b>Budgetary allocation (O &amp; M cost) :</b>	0.5 Lac/Annum
	<b>Details of UGT tanks if any :</b>	Drinking-54 CUM Domestic-140 CUM Fire-300 CUM Flushing Tank- 65 CUM
<b>35. Storm water drainage</b>	<b>Natural water drainage pattern:</b>	As per contour slope
	<b>Quantity of storm water:</b>	0.24 m3/sec
	<b>Size of SWD:</b>	450x300 mm
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	166
	<b>STP technology:</b>	MBBR
	<b>Capacity of STP (CMD):</b>	1 Nos. 175 KLD
	<b>Location &amp; area of the STP:</b>	As per master Layout
	<b>Budgetary allocation (Capital cost):</b>	40.20Lac
	<b>Budgetary allocation (O &amp; M cost):</b>	11.20 Lac/annum
<b>36. Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	Empty cement bags, steel, sand, packaging material, Aggregates
	<b>Disposal of the construction waste debris:</b>	Excavated earth material will be used for filling of plinth area
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	288 kg/day
	<b>Wet waste:</b>	432 kg/day
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	25 Kg/day
	<b>Others if any:</b>	NA

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 SEAC-III)

<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Handed over to authorized recycler for further handling & disposal purpose
	<b>Wet waste:</b>	Through Mechanical Composter (Smart OWC)
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	To be used as manure for gardening purpose or will be disposed off as per CPHEEO manual on sewerage
	<b>Others if any:</b>	NA
<b>Area requirement:</b>	<b>Location(s):</b>	Locations are as per master layout
	<b>Area for the storage of waste &amp; other material:</b>	12
	<b>Area for machinery:</b>	36
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	14.75 Lakh
	<b>O &amp; M cost:</b>	2.8 Lakh/annum

### 37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	-	6.0-8.5	6.5-9.0	6.5-9.0
2	Oil & Grease	mg/l	10.00-20.00	<10	<10
3	Biological Oxygen Demand	mg/l	200-250	<10	<10
4	Chemical Oxygen Demand	mg/l	350-450	<50	<50
5	Total Suspended Solid	mg/l	150-200	<10	<10
6	Total Nitrogen	mg/l	40-50	<10	<10
7	Nitrate	mg/l	15-16	<05	<05
8	Dissolve PO4	mg/l	13-15	<05	<05
9	Fecal Coliform	MPN/100 ml	10 <sup>6</sup>	Nil	Nil

Amount of effluent generation (CMD): Not applicable

Capacity of the ETP: Not applicable

Amount of treated effluent recycled : Not applicable

Amount of water sent 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

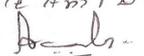
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable						

### 39. Stacks emission Details

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Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	125KVA	HSD	2	5	0.152 m	553 °C

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

Serial Number	Type of Fuel	Existing	Proposed	Total	
1	HSD	Not applicable	125KVA- 30.25 litre/hr @ 100% Loading	125KVA- 30.25 litre/hr @ 100% Loading	
41.Source of Fuel		Authorized Dealer			
42.Mode of Transportation of fuel to site		Barrels in Closed Tempo			

43.Green Belt Development	Total RG area :	1577.294 sq.m
	No of trees to be cut :	0
	Number of trees to be planted :	210
	List of proposed native trees :	Shirish,Neem,Maharukh,Namdruk,Karanj,Sita Ashoka,Katesavar,Bahava,Bakul
	Timeline for completion of plantation :	Till the completion of project

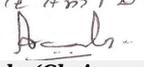
#### 44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Albizia lebbeck	Shirish	3	Medicinal for Skin, Fragrant flowers, To control soil erosion,Bird attracting species (Para kids eat seeds )
2	Azadiracta indica	Neem	5	"Medicinal value, To control soil erosion"
3	Ailanthus excelsa	Maharukh	2	"Large tree, good for roadside plantation"
4	Ficus retusa	Nandruk	2	"Shady tree, good for roadside plantation"
5	Pongamia pinnata	Karanj	3	Shady tree
6	Saraca asoka	Sita Ashok	2	Shady tree with red-yellow flowers
7	Bombax ceiba	Katesavar	3	Large tree, red flowers.
8	Cassia fistula	Bahava	2	"Medium sized deciduous tree, Beautiful yellow flowers, Butterfly host plant"
9	Mimusops elengi	Bakul	2	"Shady tree, small white fragrant flowers"
10	Nyctanthes arbortristis	Parijatak	2	"Small deciduous fast growing tree, beautiful flowrers."
11	Lagerstroemia flosregineae	Tamhan	2	"State flower tree of Maharashtra, Medium sized tree, beautiful purple flowers"
12	Murraya paniculata	Kunti	2	"Small tree, Fragrant white flowers, Butterfly host plant"

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13	Gmelina arborea	Shivan	2	"Fast growing tree with beautiful yellow flowers"
14	Bauhinia racemosa	Apta	2	"Small tree with small white flowers, Butterfly host plant"
15	"Artocarpus heterophyllus"	Jackfruit	4	Fruit bearing tree
16	Mangifera indica	Mango	4	"Evergreen with huge canopy and fruit bearing tree"

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

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

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

**47.Energy**

<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	116KVA
	<b>DG set as Power back-up during construction phase</b>	125KVA
	<b>During Operation phase (Connected load):</b>	1646KW
	<b>During Operation phase (Demand load):</b>	930KVA
	<b>Transformer:</b>	(630 KVA X 2 )
	<b>DG set as Power back-up during operation phase:</b>	(125 KVA X 2 )
	<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 Saving using Energy efficient LED fixtures Against Conventional CFL/T8 fixture with Electronic Ballast for Common Area.- 6228.KWH  
 Energy saving using Low Loss Transformer Against Conventional Transformer 3504.00KWH  
 Energy Saving using Solar Water Heater Against Electrical water Heater 29700KWH  
 Energy Saved by Solar PV 4320 KWH  
 Energy Saved by Automatic Timer logic controller for lighting Control Against No timer Control 4818KWH  
 Energy Saved by Using VFD for Lift against convensional drive 20440KWH  
 Total Energy Saving in Project by Energy saving measures 69010KWH

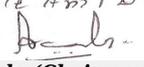
**49.Detail calculations & % of saving:**

Serial Number	Energy Conservation Measures	Saving %
1	Using Conventional CFL & LED	36.07%
2	Using Low Loss Transformer	5.26%

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3	Energy saving solar water heater against electric water heater	75.34%
4	by using solar PV	2.46%
5	Energy Saved by Automatic Timer logic controller for lighting Control Against No timer Control	41.18%
6	Energy Saved by Using VFD for Lift against convensional drive	20.00%
7	Total Energy Saving in proposed building by Energy saving measures	17.22%

### 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:	52 lakh
	O & M cost:	3 lakh/year

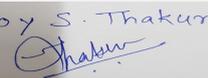
### 51.Environmental Management plan Budgetary Allocation

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

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water For Dust Suppression, Air & Noise Monitoring	1.2
2	Water Environment	"Tanker Water For Construction" Water Monitoring	1.68
3	Land Environment	"Site Sanitation, mobile toilets"	0.55
4	Socio-Economic	"Disinfection- Pest Control, First Aid Facilities, Health Check Up, Personal Protective Equipment	1.22
5	Monitoring Cell	Environmental Monitoring Cell	3.50

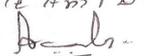
#### b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP	Waste water treatment	40.20	11.20
2	Rain Water Harvesting	6 No of pits	6.9	0.50
3	Solid Waste Management	"Biodegradable waste treatment"	14.75	2.80
4	Landscape	"Green Belt Development "	8.00	0.65
5	Energy	Enegy saving measures	52.00	3.00
6	Environmental Monitoring	"Ambient Air quality, Noise level, Exhaust from DG Set, drinking water, sewage from STP as per EP act,"	"MoEF CC approved laboratory"	1.5

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

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

## 52.Any Other Information

No Information Available

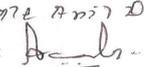
## 53.Traffic Management

	<b>Nos. of the junction to the main road &amp; design of confluence:</b>	Traffic generated from this project will confluent on existing 24m wide road
<b>Parking details:</b>	<b>Number and area of basement:</b>	0
	<b>Number and area of podia:</b>	0
	<b>Total Parking area:</b>	5967.00 sq.m
	<b>Area per car:</b>	12.5 sq.m
	<b>Area per car:</b>	12.5 sq.m
	<b>Number of 2-Wheelers as approved by competent authority:</b>	576
	<b>Number of 4-Wheelers as approved by competent authority:</b>	270
	<b>Public Transport:</b>	Chintamani nagar Bus Stop
	<b>Width of all Internal roads (m):</b>	7.5 m
	<b>CRZ/ RRZ clearance obtain, if any:</b>	NA
	<b>Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries</b>	NA
	<b>Category as per schedule of EIA Notification sheet</b>	8(a)
	<b>Court cases pending if any</b>	NO
	<b>Other Relevant Informations</b>	NA

  
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**Name:** K. Anil Kale  
**Signature:**   
**Shri. Anil Kale (Chairman SEAC-III)**

	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

PP remained **absent**. The proposal was deferred.

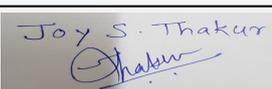
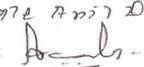
### DECISION OF SEAC

PP remained **absent**. The proposal was deferred.

Specific Conditions by SEAC:

### FINAL RECOMMENDATION

Kindly find SEIAA decision above.

 <b>Joy S. Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 93 Meeting Date: September 4, 2019</b>	<b>Page 122 of 133</b>	<b>Name: K. Anil Kale</b>  <b>Shri. Anil Kale (Chairman SEAC-III)</b>
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## 93rd SEAC-3 Day 02

**SEAC Meeting number: 93 Meeting Date** September 4, 2019

**Subject:** Environment Clearance for Dr. D Y Patil Medical College, Hospital and Research Institute

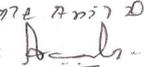
**Is a Violation Case:** No

<b>1.Name of Project</b>	Dr. D Y Patil Medical College, Hospital and Research Institute
<b>2.Type of institution</b>	Private
<b>3.Name of Project Proponent</b>	D. Y. Patil Medical College
<b>4.Name of Consultant</b>	Mr. Rajesh Srivastava - Pollution and Ecology Control Services (PECS)
<b>5.Type of project</b>	Hospital
<b>6.New project/expansion in existing project/modernization/diversification in existing project</b>	New
<b>7.If expansion/diversification, whether environmental clearance has been obtained for existing project</b>	NA
<b>8.Location of the project</b>	E Ward, 507/1, Kadamb Wadi
<b>9.Taluka</b>	Karveer
<b>10.Village</b>	Kolhapur
<b>Correspondence Name:</b>	Mr. Sadanand Sabnis
<b>Room Number:</b>	-
<b>Floor:</b>	1st Floor
<b>Building Name:</b>	Dr. D Y Patil Medical College, Hospital and Research Institute
<b>Road/Street Name:</b>	507/1 E Ward
<b>Locality:</b>	Kadambwadi
<b>City:</b>	Kolhapur
<b>11.Whether in Corporation / Municipal / other area</b>	Kolhapur Municipal Corporation
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	Kolhapur Municipal Corporation <b>IOD/IOA/Concession/Plan Approval Number:</b> 1/6762 <b>Approved Built-up Area:</b> 55737.15
<b>13.Note on the initiated work (If applicable)</b>	Construction of Total BUA for Hospital prior to EIA Notification 2006 = 11495.69 sqm (FSI = 11495.65 sqm, Non-FSI = 0 sqm) completed as per sanction plan vide number T.P./B.P./S.R. 154/2001-02 dated 18-01-2001. Construction of Total BUA for Hospital after applicability of EIA Notification 2006 = 9378 sqm (FSI = 7060.33 sqm, Non-FSI = 2317.67 sqm) completed as per sanction plan vide number T.P./B.P./S.R. 156/2011-12 dated 07-11-2012. Thus, the Total existing BUA = 20873 .69 sqm
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	IOD Application number 1/6762
<b>15.Total Plot Area (sq. m.)</b>	60600 Sqm
<b>16.Deductions</b>	3600 Sqm
<b>17.Net Plot area</b>	57000 Sqm
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> 48201.20
	<b>b) Non FSI area (sq. m.):</b> 7535.95
	<b>c) Total BUA area (sq. m.):</b> 55737.15
<b>18 (b).Approved Built up area as per DCR</b>	<b>Approved FSI area (sq. m.):</b> 48201.20
	<b>Approved Non FSI area (sq. m.):</b> 7535.95
	<b>Date of Approval:</b> 29-03-2019
<b>19.Total ground coverage (m2)</b>	10084.63
<b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>	18%
<b>21.Estimated cost of the project</b>	296300000

  
**Joy S.Thakur (Secretary SEAC-III)**

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**Name:** K. Anil D.  
**Signature:**   
**Shri. Anil Kale (Chairman SEAC-III)**

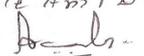
## 22. Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Hospital	2 Basement + G + 11 Floors	46.45
23. Number of tenants and shops	Hospital with 1000 No of beds		
24. Number of expected residents / users	2244 Nos		
25. Tenant density per hectare	NA		
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 Mtr		
28. Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 Mtr		
29. Existing structure (s) if any	Hospital Building G+ 5 Fl.		
30. Details of the demolition with disposal (If applicable)	NA		

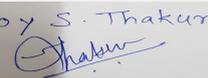
## 31. Production Details

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

## 32. Total Water Requirement

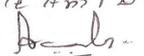
 <b>Joy S. Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 93 Meeting Date: September 4, 2019</b>	<b>Page 124 of 133</b>	<b>Name: K. Anil Kale</b>  <b>Shri. Anil Kale (Chairman SEAC-III)</b>
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Dry season:	Source of water	Kolhapur Municipal Corporation							
	Fresh water (CMD):	366							
	Recycled water - Flushing (CMD):	194							
	Recycled water - Gardening (CMD):	10							
	Swimming pool make up (Cum):	4							
	Total Water Requirement (CMD) :	560							
	Fire fighting - Underground water tank(CMD):	As per NOC							
	Fire fighting - Overhead water tank(CMD):	As per NOC							
	Excess treated water	232							
Wet season:	Source of water	Kolhapur Municipal Corporation							
	Fresh water (CMD):	366							
	Recycled water - Flushing (CMD):	194							
	Recycled water - Gardening (CMD):	0							
	Swimming pool make up (Cum):	4							
	Total Water Requirement (CMD) :	550							
	Fire fighting - Underground water tank(CMD):	As per NOC							
	Fire fighting - Overhead water tank(CMD):	As per NOC							
	Excess treated water	242							
Details of Swimming pool (If any)	6M (L) X 3M (W) X 1.2M(D) - 2 Nos								
<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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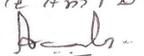
**Name: K. Anil Kale**  
  
**Signature: Shri. Anil Kale (Chairman SEAC-III)**

<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	Below 20 Mtr on an average
	<b>Size and no of RWH tank(s) and Quantity:</b>	NA
	<b>Location of the RWH tank(s):</b>	NA
	<b>Quantity of recharge pits:</b>	15 Nos
	<b>Size of recharge pits :</b>	2.0 m x 2.0 m x 2.0 m with bore dia 160mm, 60 m depth
	<b>Budgetary allocation (Capital cost) :</b>	25 Lakh
	<b>Budgetary allocation (O &amp; M cost) :</b>	1 Lakh/Year
	<b>Details of UGT tanks if any :</b>	Domestic 570 CMD
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	As per Contour
	<b>Quantity of storm water:</b>	3636 m3/Day
	<b>Size of SWD:</b>	450 mm
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	474
	<b>STP technology:</b>	MBBR
	<b>Capacity of STP (CMD):</b>	500
	<b>Location &amp; area of the STP:</b>	As shown on plan
	<b>Budgetary allocation (Capital cost):</b>	85 Lakh
	<b>Budgetary allocation (O &amp; M cost):</b>	12 Lakh/Year
<b>36.Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	5 Kg/Day
	<b>Disposal of the construction waste debris:</b>	Construction debris will be recycled and utilized on the same site. No hazardous waste is involved.
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	448.8 Kg/Day
	<b>Wet waste:</b>	673.2 Kg/Day
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	268 Kg/Day
	<b>STP Sludge (Dry sludge):</b>	20 Kg/Day
	<b>Others if any:</b>	E Waste of Approx 1122 kg/year

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<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Will be Handed over to Authorized Agency
	<b>Wet waste:</b>	In-situ Composting
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	Will be Handed over to Authorized Agency
	<b>STP Sludge (Dry sludge):</b>	Will be Used as Manure for Gardening
	<b>Others if any:</b>	E Waste - Through MPCB Authorized E Waste Recycler
<b>Area requirement:</b>	<b>Location(s):</b>	Shown on Plan
	<b>Area for the storage of waste &amp; other material:</b>	175 Sqm
	<b>Area for machinery:</b>	Considered in Above Area
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	24 Lakh
	<b>O &amp; M cost:</b>	2.5 Lakh/Year

### 37. Effluent Characteristics

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

### 38. Hazardous Waste Details

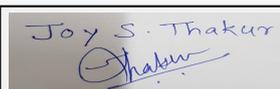
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable						

### 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

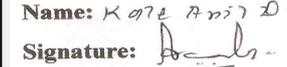
### 40. Details of Fuel to be used

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		

  
Joy S. Thakur (Secretary SEAC-III)

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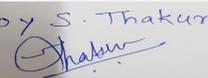
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Name: K. Anil Kale  
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Shri. Anil Kale (Chairman SEAC-III)

<b>43.Green Belt Development</b>	<b>Total RG area :</b>	22,838.00 Sqm
	<b>No of trees to be cut :</b>	No
	<b>Number of trees to be planted :</b>	758
	<b>List of proposed native trees :</b>	Attached
	<b>Timeline for completion of plantation :</b>	Till Completion of Project

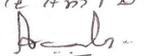
#### 44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Albizia lebbeck	Shirish	13	Shady Tree, yellowish green fragrant flowers
2	Azadiracta indica	Neem	22	Evergreen tree, fast growing
3	Saraca asoka	Sita Ashok	26	Shady tree with red-yellow flowers
4	Anthocephallus cadamba	Kadamb	22	"Shady, large tree, ball shaped flowers"
5	Psidium guajava	Peru	19	Medium size , fruit bearing tree
6	Nyctanthes arbor-tristis	Parijatak	26	This Small tree has highly fragrant flowers those attract Bees and Butterflies, Fruits attract Birds.
7	Ochna obtusata	Kanak Champa	21	Native, this shrub has yellow fragrant flowers, Host plant for Butterflies.
8	Murraya paniculatum	Kamini/Kunti	13	Native to Western Ghats, this shrub has fragrant white flowers and dense foliage. It is a host plant for Butterflies.
9	Manilkara zapota	Chickoo	25	This small tree attracts Birds and Bees. Edible Fruit.
10	Citrus limon	Lemon	18	This Shrub is used in everyday Cooking and acts as a host plant for Butterflies.
11	Bauhinia racemosa	Apta	34	Native to Pune, this Shrub has a Religious importance
12	Mimusops elengi	Bakul	25	Native, Evergreen Foliage and Flowering tree has dense branching, hence good for Wind screening. Flowers are deeply fragrant and attracts birds and Bees.
13	Pongamia pinnata	Karanj	16	Native to Pune, this Deciduous White Flowering tree . Attracts Birds and Arboreal Mammals.
14	Mangifera indica	Mango	25	Tall, fruit bearing tree
15	Syzygium cumini	Jambhul	22	"Dense ornamental, fruit bearing tree"
16	Lagerstroemia reginae	Tamhan	27	This Purple Flowering plant is the State flower of Maharashtra.

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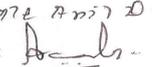
17	Cassia fistula	Bahava	25	This Flowering and Deciduous tree has beautiful Yellow chandeliers in Summers. Good perching site for Birds.
18	Erythrina variegata	Pangara	22	Native to Western Maharashtra, this Reddish-Orange Flowering and Deciduous tree attracts lot of Birds for the Nectar.
19	Terminalia catapa	Badaam	16	Drought tolerant.
20	Terminalia arjuna	Arjuna	12	Large evergreen tree.
21	Bauhinia purpurea	Kanchan	36	Exotic tropical tree that blooms over a long period of time.
22	Michelia champaca	Son Chafa	22	Large evergreen tree.
23	Caryota urens	Fish Tail Palm	27	Flowering plant in the palm family.
24	Plumeria alba	Plumeria alba	20	Tree with elongated leaves, large and strongly perfumed white flowers with a yellow center. Ornamental plant.
25	Couroupita guianensis	Kailashpati	21	Deciduous tree. Flowering & Fruit Bearing. Medicinal properties.
26	Khaya anthotheca	Mahogany	29	Large, fast-growing, semi-deciduous tree with a dense crown.
27	Butea monosperma	Palas	19	Medium-sized dry season-deciduous tree.
28	Ficus glomerate	Cluster Fig	25	Deciduous tree. Medicinal Properties.
29	Cordia dichotoma	Indian Cherry	29	Flowering Tree.
30	Plumeria rubra	Frangipani	18	Tropical and sub-tropical deciduous tree.
31	Phyllanthus emblica	Indian gooseberry	24	Small to medium sized deciduous tree. Ayurvedic importance.
32	Dalbergia latifolia	Indian rosewood	25	Single-stemmed deciduous tree with a dome shaped crown of lush green foliage.
33	Aegle Marmelos	Bel	34	FRUIT PLANT/MEDICINAL PLANT, FRAGRANT FLOWERS OR LEAVES, PLANT FOR PUJA OR PRAYER FLOWER OR LEAVES

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>Joy S.Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 93 Meeting Date: September 4, 2019</b>	<b>Page 129 of 133</b>	<b>Name: K. Anil Kale</b>  <b>Signature: Shri. Anil Kale (Chairman SEAC-III)</b>
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<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	75 KW
	<b>DG set as Power back-up during construction phase</b>	NIL
	<b>During Operation phase (Connected load):</b>	6750 KW
	<b>During Operation phase (Demand load):</b>	3375 KW
	<b>Transformer:</b>	4500KVA
	<b>DG set as Power back-up during operation phase:</b>	4360KVA
	<b>Fuel used:</b>	Diesel
	<b>Details of high tension line passing through the plot if any:</b>	NA

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

Power Capacitors are proposed for load power factor correction and to maintain a healthy power situation. This also results in less demand load factor for the project.  
 Most of the common area lighting is proposed to work on high energy efficient lamps (LED) as specified in bureau of energy efficiency which again results in saving in general consumption.  
 External & Common lighting is proposed on LED Lamps which results in 40% saving in consumption. These are set of lighting which are placed at critical junctions and which would be lit round the night.  
 Low loss Transformers due to which 6.22% losses are saved against conventional transformer.  
 Solar Hot Water & PV on terrace

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

Serial Number	Energy Conservation Measures	Saving %
1	Use of Solar energy for street & landscape lighting. Using hi efficiency LED lights in place of traditional lights for common area lighting	18%

#### 50. Details of pollution control Systems

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

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	80 Lakh
	<b>O &amp; M cost:</b>	5 Lakh/Year

### 51. Environmental Management plan Budgetary Allocation

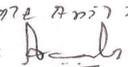
#### a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water for Construction & labour	Water Requirement	2.5

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2	Site Sanitation & Safety	Health & Safety	15
3	Environmental Monitoring	Pollution Monitoring & Control	6
4	Disinfection	Health & Safety	4
5	Health Check-Up	Health & Safety	3
6	Safety and PPE Safety personal protective equipment	Health & Safety	3
7	Safety Nets & Barrication	Health & Safety	8
8	Storm water managemen	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	Rain Water Harvesting	RWH Pits	25	1
2	Sewage Treatment Plant	Waste Water Management	85	12
3	Organic Waste Composting	Solid Waste Management	8	2.5
4	Tree Plantation	Landscape Development	60	8
5	Energy Saving	Energy Conservation	80	5
6	Environmental Monitoring	Pollution Control	0	6

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

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

**52.Any Other Information**

No Information Available

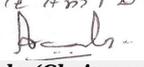
**53.Traffic Management**

	Nos. of the junction to the main road & design of confluence:	1
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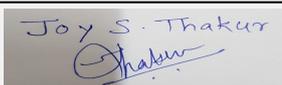
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**Name:** *Kale Anil D.*  
**Signature:**   
**Shri. Anil Kale (Chairman SEAC-III)**

Parking details:	Number and area of basement:	2 Basement , 3452.96 Sqm
	Number and area of podia:	NA
	Total Parking area:	9408.8 Sqm
	Area per car:	12.5 sqm
	Area per car:	12.5 sqm
	Number of 2-Wheelers as approved by competent authority:	1009 Nos
	Number of 4-Wheelers as approved by competent authority:	428 Nos
	Public Transport:	The site is well connected to the public transport infrastructure.
	Width of all Internal roads (m):	NA
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	Category B	
Court cases pending if any	NO	
Other Relevant Informations	NA	
Have you previously submitted Application online on MOEF Website.	No	
Date of online submission	-	

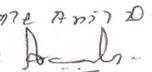
## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

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

### Brief information of the project by SEAC

PP has submitted his application for prior Environmental clearance for total plot area of 60600m<sup>2</sup>, FSI area of 48201.20m<sup>2</sup>, Non FSI area of 7535.95m<sup>2</sup> and total BUA of 55737.15m<sup>2</sup>.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. The proposal is considered as category 8(a)B2.

### DECISION OF SEAC

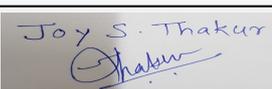
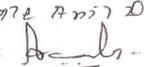
The PP was informed to submit details of copies of approved plan, construction (total built up area) carried out till date with chronological manner, indicating status of plinth completion, building completion, occupation etc. The proposal will be considered and appraised after PP submits aforementioned details.

The proposal was **deferred**.

Specific Conditions by SEAC:

### FINAL RECOMMENDATION

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

 <b>Joy S. Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 93 Meeting Date: September 4, 2019</b>	<b>Page 133 of 133</b>	<b>Name: K. Anil Kale</b>  <b>Signature: Shri. Anil Kale (Chairman SEAC-III)</b>
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## 93rd SEAC-3 Day 03

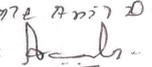
**SEAC Meeting number: 93 Meeting Date September 5, 2019**

**Subject:** Environment Clearance for Expansion of Residential & Commercial Project at Gat No. 1281, 1283, 1277, 1278, 1279, 1284, Wagholi, Tehsil- Haveli, Dist.- Pune

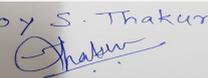
**Is a Violation Case:** No

<b>1.Name of Project</b>	Expansion of Residential & Commercial Project at Gat No. 1281, 1283, 1277, 1278, 1279, 1284 Wagholi, Tehsil- Haveli, Dist.- Pune
<b>2.Type of institution</b>	Private
<b>3.Name of Project Proponent</b>	Panchshil Infrastructure Holdings Pvt. Ltd.
<b>4.Name of Consultant</b>	MITCON Consultancy & Engineering Services Ltd.
<b>5.Type of project</b>	Mixed use (Residential cum IT/Commercial Project)
<b>6.New project/expansion in existing project/modernization/diversification in existing project</b>	Expansion Project
<b>7.If expansion/diversification, whether environmental clearance has been obtained for existing project</b>	EC obtained vide SEAC-2011/CR-696/TC-2 dated 10.04.2014
<b>8.Location of the project</b>	Gat No. 1281, 1283, 1277, 1278, 1279, 1284
<b>9.Taluka</b>	Haveli
<b>10.Village</b>	Wagholi
<b>Correspondence Name:</b>	Mr. Anand Sanghvi
<b>Room Number:</b>	Tower E
<b>Floor:</b>	4th Floor
<b>Building Name:</b>	Tech Park One
<b>Road/Street Name:</b>	NA
<b>Locality:</b>	Yerwada
<b>City:</b>	Pune
<b>11.Whether in Corporation / Municipal / other area</b>	PMRDA
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	Obtained <b>IOD/IOA/Concession/Plan Approval Number:</b> Obtained <b>Approved Built-up Area:</b> 434042.95
<b>13.Note on the initiated work (If applicable)</b>	Construction has been initiated as per previous granted EC. Total Built up area as on date 394044.15 Sq. m.
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	Obtained
<b>15.Total Plot Area (sq. m.)</b>	503100
<b>16.Deductions</b>	59303.82
<b>17.Net Plot area</b>	449531.25
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	a) FSI area (sq. m.): 520666.01 b) Non FSI area (sq. m.): 449392.34 c) Total BUA area (sq. m.): 970058.35
<b>18 (b).Approved Built up area as per DCR</b>	Approved FSI area (sq. m.): 520666.01 Approved Non FSI area (sq. m.): 443328.24 Date of Approval: 01-01-1900
<b>19.Total ground coverage (m2)</b>	0
<b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>	0
<b>21.Estimated cost of the project</b>	27380000000

## 22.Number of buildings & its configuration

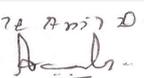
 <b>Joy S.Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 93 Meeting Date: September 5, 2019</b>	<b>Page 1 of 95</b>	<b>Name: K. Anil Kale</b>  <b>Shri. Anil Kale (Chairman SEAC-III)</b>
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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	V1 - Super Luxury Villas - 8 Nos.	LG+UG+1 floor	12
2	V2 - Luxury Villas - Total 27 Nos.	G+1 floor	7
3	V3 - Mid Luxury Villas - Total 140 Nos.	G+1 floor	7
4	T1, T2, T3, T4	G+1 floor	8.5
5	W - (01-06)	LG1+LG2+GR/P+27	99.20
6	Club House - 2 Nos.	G/P + 1 floor	4.8
7	Tower A	LG3+LG2+LG1+P/GR+MZ+1st To 30th + Terrace	99.20
8	Tower B	LG3+LG2+LG1+P/GR+MZ+1st To 30th + Terrace	99.20
9	Tower C	LG3+LG2+LG1+P/GR+MZ+1st To 30th + Terrace	99.20
10	Tower D	LG3+LG2+LG1+P/GR+MZ+1st To 30th + Terrace	99.20
11	Tower E	LG3+LG2+LG1+P/GR+MZ+1st To 30th + Terrace	99.20
12	Tower F	LG3+LG2+LG1+P/GR+MZ+1st To 30th + Terrace	99.20
13	Tower G	LG3+LG2+LG1+P1+P2+3rd To 31st + Terrace	99.20
14	Tower H	LG3+LG2+LG1+P1+P2+3rd To 31st + Terrace	99.20
15	Tower I	LG3+LG2+LG1+P1+P2+3rd To 31st + Terrace	99.20
16	BOX Street Office	B2+B1+GR+MZ+4 Floors (Residential+commercial- 9 offices + 19 shops)	23.03
17	Forbes	B1+B2+LG+UG+G +15 floors	69.4
18	School -1 No.	LG+GR+1St to 3rd Floor	16.70
19	School -2No.	LG+GR+1St to 3rd Floor	16.70
<b>23.Number of tenants and shops</b>	Tenements: 1584 Shops: 19 Nos.		
<b>24.Number of expected residents / users</b>	23938		
<b>25.Tenant density per hectare</b>	250 T/Hec		
<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		

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<b>28. Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation</b>	Turning radius for easy access of fire tender movement from all around the building is min 9 m
<b>29. Existing structure (s) if any</b>	Construction is in process as per previous granted EC.
<b>30. Details of the demolition with disposal (If applicable)</b>	NA

### 31. Production Details

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

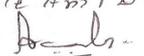
### 32. Total Water Requirement

<b>Dry season:</b>	<b>Source of water</b>	FROM RIVER
	<b>Fresh water (CMD):</b>	1261
	<b>Recycled water - Flushing (CMD):</b>	836
	<b>Recycled water - Gardening (CMD):</b>	715
	<b>Swimming pool make up (Cum):</b>	78
	<b>Total Water Requirement (CMD) :</b>	2889
	<b>Fire fighting - Underground water tank (CMD):</b>	Fire- Villa & Club House- 1,00,000 Lts, High Rise - H- 2,00,000 Lts, Forbes Tower- 3,00,000 Lts, High Rise - W- 3,00,000 Lts, School- 1- 50,000 Lts, School- 2- 50,000 Lts, Box street-75,000 Lts
	<b>Fire fighting - Overhead water tank (CMD):</b>	25,000 LTS. each BLDG. TOTAL-25000x9=2,25,000Lts.
	<b>Excess treated water</b>	135.27

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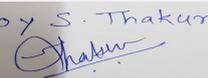
**Name:** *Kale Anil D.*  
**Signature:**   
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<b>Wet season:</b>	<b>Source of water</b>	FROM RIVER
	<b>Fresh water (CMD):</b>	1261
	<b>Recycled water - Flushing (CMD):</b>	836
	<b>Recycled water - Gardening (CMD):</b>	357
	<b>Swimming pool make up (Cum):</b>	78
	<b>Total Water Requirement (CMD) :</b>	2532
	<b>Fire fighting - Underground water tank(CMD):</b>	Fire- Villa & Club House- 1,00,000 Lts, High Rise - H- 2,00,000 Lts, Forbes Tower- 3,00,000 Lts, High Rise - W- 3,00,000 Lts, School- 1- 50,000 Lts, School- 2- 50,000 Lts, Box street-75,000 Lts
	<b>Fire fighting - Overhead water tank(CMD):</b>	25,000 LTS. each BLDG. TOTAL-25000x9=2,25,000 Lts.
	<b>Excess treated water</b>	492.43

**Details of Swimming pool (If any)** Swimming Pools Provided.

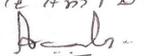
### 33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	0	1261	1261	0	126	126	0	1135	1135
Gardening	0	715	715	0	715	715	0	0	0
Fresh water requirement	0	1261	1261	0	126	126	0	1135	1135

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<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	As per hydrogeo report
	<b>Size and no of RWH tank(s) and Quantity:</b>	NA
	<b>Location of the RWH tank(s):</b>	NA
	<b>Quantity of recharge pits:</b>	147 Nos.
	<b>Size of recharge pits :</b>	2.0 M. X 2.0 M. X 2.0 M. & 1.5 M. X 1.5 M. X 2.0 M.
	<b>Budgetary allocation (Capital cost) :</b>	80 lakhs
	<b>Budgetary allocation (O &amp; M cost) :</b>	7 lakhs/yr.
<b>Details of UGT tanks if any :</b>	Fire- Villa & Club House- 1,00,000 Lts, High Rise - H- 2,00,000 Lts, Forbes Tower- 3,00,000 Lts, High Rise - W- 3,00,000 Lts, School- 1- 50,000 Lts, School- 2- 50,000 Lts, Box street-75,000 Lts Domestic - Villa & Club House- 1,00,000 Lts , High Rise - H-3,60,000 Lts, Forbes Tower-3,50,000 Lts, High Rise - W-1,80,000 Lts, School- 1-40,500 Lts, School- 2-40,500 Lts, Box street-1,50,000 Lts Flushing- , High Rise - H-1,50,000 Lts, Forbes Tower-3,20,000 Lts, , High Rise - W-1,70,000 Lts, School- 1-51,000 Lts, School- 2-51,000 Lts	
<b>35.Storm water drainage</b>		
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	As per Contour layout
	<b>Quantity of storm water:</b>	Final Discharge Provided at two locations1) Near RD8 Circle (Q=0.70cum/sec) 2) RD23 Near Jack Well (Q=1.12cum/sec)
	<b>Size of SWD:</b>	Final Discharge Provided at two locations 1) Near RD8 Circle (Pipe 900 dia +750 dia) 2) RD23 Near Jack Well (Pipe 2 No. 900 dia)
<b>Sewage and Waste water</b>		
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	1803.9
	<b>STP technology:</b>	FAB+UF
	<b>Capacity of STP (CMD):</b>	5 Nos. having capacity of 310, 600, 615, 325, 55 KLD
	<b>Location &amp; area of the STP:</b>	As per layout
	<b>Budgetary allocation (Capital cost):</b>	222 lakhs
	<b>Budgetary allocation (O &amp; M cost):</b>	6.84 lakhs/yr.
<b>36.Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	Soft rock: 515,000 m3, Hard Rock: 974,000 m3
	<b>Disposal of the construction waste debris:</b>	Out of this 900000 m3 will be used within the site for backfilling, Road Development, Leveling and the remaining quantity of 589000 m3 will be used in other construction sites.
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	2990 Kg/d
	<b>Wet waste:</b>	2480 Kg/d
	<b>Hazardous waste:</b>	4125 lit/yr.
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	94 Kg/d
	<b>Others if any:</b>	E Waste: 2250 Kg/yr.
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<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Will be handed over to authorized vendor
	<b>Wet waste:</b>	Will be composted on site & manure will be used for greenbelt/landscape
	<b>Hazardous waste:</b>	Will be handed over to authorized vendor
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	Will be composted on site & manure will be used for greenbelt/landscape
	<b>Others if any:</b>	E waste will be handed over to authorized vendor
<b>Area requirement:</b>	<b>Location(s):</b>	As per layout
	<b>Area for the storage of waste &amp; other material:</b>	1500 Sq. m.
	<b>Area for machinery:</b>	1500 Sq. m.
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	35.5 lakhs
	<b>O &amp; M cost:</b>	1.7 lakhs/yr.

### 37. Effluent Characteristics

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

### 38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Spent Oil	5.1	lit/yr.	0	4125	4125	Will be handed over to authorized vendor

### 39. Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	DG Set	Diesel: 6186.4 Lit/hr.	29	2.5 m above terrace	0.4	150 degree celcius

### 40. Details of Fuel to be used

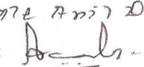
Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel	Not applicable	6186.4 Lit./hr.	6186.4 Lit/hr.

41. Source of Fuel	Local Vendor
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42. Mode of Transportation of fuel to site	By Road
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<b>43. Green Belt Development</b>	<b>Total RG area :</b>	67245.0 Sq. m.
	<b>No of trees to be cut :</b>	0
	<b>Number of trees to be planted :</b>	4780
	<b>List of proposed native trees :</b>	Attached as below
	<b>Timeline for completion of plantation :</b>	2 years after completion of project

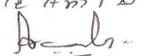
#### 44. Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Bahava	Cassia fistula	217	Flowering Plant
2	Royal Palm	Roystonea regia	85	Beautification
3	Maharukh	Ailathus excelsa	40	Beautification
4	Laxmi Taru	Simarouba glauca	115	Medicinal Value
5	Ashoka	Polyalthia longifolia	204	Medicinal Value
6	Fish Tail Palm	Caryota Mitis	199	Beautification
7	Shirish	Albizia Lebbeck	126	Shady & Medicinal Value
8	Neem	Azadirachta indica	195	Medicinal Value
9	Karanj	Millettia Pinnata	180	Medicinal Value
10	Mango	Mangifera indica	231	Fruit bearing
11	Jambhul	Syzygium cumini	109	Fruit bearing
12	Sonchafa	Michelia champaca	191	Flowering Plant
13	Temple tree	Plumeria acutifolia	140	Flowering Plant
14	Tulip tree	Spathodea campanulata	140	Flowering Plant
15	Awala	Phyllanthus emblica	79	Fruit bearing
16	Parijat	Ncytanthus arbortristis	96	Flowering Plant
17	Apta	Bauhinia racemose	35	Cultural & Religious
18	Palas	Butea monosperma	120	Flowering Plant
19	Mulberry	Morus alba	160	Fruit bearing
20	Karamal	Dillenia indica	30	Beautification
21	Bakul	Mimusops elengi	35	Flowering Plant
22	Foxtail palm	Wodyetia bifurcate	181	Beautification
23	Gulmohar	Delonix regia	122	Flowering Plant
24	Popcorn Tree	Triadica sebifera	82	Beautification
25	Lagerstroemia	Crape Myrtle	171	Flowering Plant
26	Southern Mangolia	Magnolia grandiflora	93	Flowering Plant
27	African Tulip Tree	Spathodea campanulata	76	Flowering Plant
28	Almond Tree	Prunus dulcis	53	Fruit bearing
29	Austrilian Babul	Acacia auriculiformis	26	Beautification

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30	Mohogany	Swietenia macrophylla	151	Flowering Plant
31	Pink trumpet Tree	Tabebuia rosea	79	Flowering Plant
32	Tecoma	Tecoma stans	360	Flowering Plant

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

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

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

**47.Energy**

<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	350 KW
	<b>DG set as Power back-up during construction phase</b>	High rise Bldg - 2 x 600 KVA, Villa - 1 x 250 KVA
	<b>During Operation phase (Connected load):</b>	51968.09 KW
	<b>During Operation phase (Demand load):</b>	27108.64 KW
	<b>Transformer:</b>	12 Nos. x 2000 KVA, 4 Nos. x 1000 KVA, 4 Nos. x 1600 KVA, 4 Nos. x 630 KVA, 2 Nos. x 500 KVA
	<b>DG set as Power back-up during operation phase:</b>	6 Nos. x 2500, 21 Nos. x 900, 4 Nos. x 625, 2 Nos. x 500 KVA
	<b>Fuel used:</b>	Diesel
	<b>Details of high tension line passing through the plot if any:</b>	NA

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

- We have already applied for Green Building LEED Certification- platinum Group (Registration Number :GH101120)
- Maximize the use of natural lighting & ventilation through design.
- Timer Switch for Streetlight, Garden light, building staircase & common passages for saving electrical energy.
- Use of solar heater for common areas for saving electrical energy.
- Systematic design of buildings in order to assure maximum natural ventilation and light

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

Serial Number	Energy Conservation Measures	Saving %
1	1. Conventional T8 FTL with magnetic Ballasts (2x36W) Vs. Energy efficient T5 FTL with HF electronic ballasts (2x28W) , 2. Conventional transformer against low loss transformer	23%

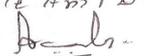
**50.Details of pollution control Systems**

Source	Existing pollution control system	Proposed to be installed
DG Set	Not applicable	Stack & Acoustic Enclosure

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<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	4.0 Cr.
	<b>O &amp; M cost:</b>	40.0 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	Environmental Monitoring	Air, water, noise & soil	5.44
2	Air Environment	Water spraying for dust suppression	10.84
3	Water Environment	Tanker water for construction	1.0
4	Socio economic Environment	Disinfection, Pest Control, First Aid Services	15.12

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

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Environmental Monitoring	Air, water, noise & soil	0	12.74
2	Water	RWH	80	7
3	Water	STP	222	6.84
4	Energy	Solar PV Panels	400	40
5	Land Environment	Gardening/Landscaping	100	12
6	Solid Waste	OWC	45	5

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

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

### 52.Any Other Information

No Information Available

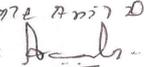
### 53.Traffic Management

	<b>Nos. of the junction to the main road &amp; design of confluence:</b>	5 Nos. on RP Road, internal roads of 15 m from all junctions
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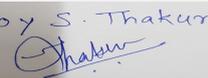
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<b>Parking details:</b>	<b>Number and area of basement:</b>	H building (9 Nos.)- 3 basement each having area- 671667 Sq. m., W building (6 Nos.)- 2 Basements having area 16499 Sq. m., Forbes- 3 Basements having 54003 sq. m. , Box street- having 3 basement
	<b>Number and area of podia:</b>	H Building- One podium having area 7500 Sq. m., W Building- one Podium having 2000 Sq. m.
	<b>Total Parking area:</b>	57412 Sq. m.
	<b>Area per car:</b>	12.5 Sq. m.
	<b>Area per car:</b>	12.5 Sq. m.
	<b>Number of 2-Wheelers as approved by competent authority:</b>	Scooters- 7286
	<b>Number of 4-Wheelers as approved by competent authority:</b>	2827
	<b>Public Transport:</b>	Available
	<b>Width of all Internal roads (m):</b>	Min. 6 m
	<b>CRZ/ RRZ clearance obtain, if any:</b>	NA
	<b>Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries</b>	NA
	<b>Category as per schedule of EIA Notification sheet</b>	8(b)-Townships & Area Development Project
	<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>	-

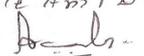
## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

<b>Environmental Impacts of the project</b>	Satisfactory.
<b>Water Budget</b>	Satisfactory.
<b>Waste Water Treatment</b>	Satisfactory.
<b>Drainage pattern of the project</b>	Satisfactory.
<b>Ground water parameters</b>	Satisfactory.

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<b>Solid Waste Management</b>	Satisfactory.
<b>Air Quality &amp; Noise Level issues</b>	Satisfactory.
<b>Energy Management</b>	Satisfactory.
<b>Traffic circulation system and risk assessment</b>	Satisfactory.
<b>Landscape Plan</b>	Satisfactory.
<b>Disaster management system and risk assessment</b>	Satisfactory.
<b>Socioeconomic impact assessment</b>	Satisfactory.
<b>Environmental Management Plan</b>	Satisfactory.
<b>Any other issues related to environmental sustainability</b>	Satisfactory.

### Brief information of the project by SEAC

PP has submitted his application for prior Environmental clearance for total plot area of 503100 m<sup>2</sup>, FSI area of 520666.01 m<sup>2</sup>, Non FSI area of 449392.34 m<sup>2</sup> and total BUA of 970058.35 m<sup>2</sup>.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B1.

### DECISION OF SEAC

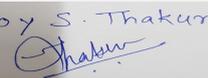
*PP has satisfactorily complied with the points raised in 91<sup>st</sup> meeting of SEAC-3.*

SEAC decided to **recommend** the proposal for prior environmental Clearance.

**Specific Conditions by SEAC:**

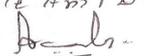
### FINAL RECOMMENDATION

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

*Joy S. Thakur*  
  
**Joy S. Thakur (Secretary SEAC-III)**

**SEAC Meeting No: 93 Meeting Date: September 5, 2019**

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**Name:** *Kale Anil D.*  
**Signature:**   
**Shri. Anil Kale (Chairman SEAC-III)**

## 93rd SEAC-3 Day 03

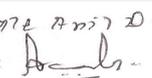
**SEAC Meeting number: 93 Meeting Date September 5, 2019**

**Subject:** Environment Clearance for Proposed Construction Project at Sr. No 106 (p) & 107 (p), Village Wakad, Taluka Mulshi, Pune by Wakad Realty Pvt. Ltd.

**Is a Violation Case:** No

<b>1.Name of Project</b>	Proposed Construction Project at Sr. No 106 (p) & 107 (p), Village Wakad, Taluka Mulshi, Pune by Wakad Realty Pvt. Ltd.
<b>2.Type of institution</b>	Private
<b>3.Name of Project Proponent</b>	Wakad Realty Pvt. Ltd.
<b>4.Name of Consultant</b>	MITCON Consultancy & Engineering Services Ltd.
<b>5.Type of project</b>	Commercial/IT Project
<b>6.New project/expansion in existing project/modernization/diversification in existing project</b>	New Project
<b>7.If expansion/diversification, whether environmental clearance has been obtained for existing project</b>	NA
<b>8.Location of the project</b>	Sr. No. 106 (p) & 107 (p)
<b>9.Taluka</b>	Mulshi
<b>10.Village</b>	Wakad
<b>Correspondence Name:</b>	Anand Sanghvi
<b>Room Number:</b>	Tower E
<b>Floor:</b>	4th Floor
<b>Building Name:</b>	Tech Park One
<b>Road/Street Name:</b>	NA
<b>Locality:</b>	Yerwada
<b>City:</b>	Pune
<b>11.Whether in Corporation / Municipal / other area</b>	Pimpri Chinchwad Municipal Corporation
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	Obtained <b>IOD/IOA/Concession/Plan Approval Number:</b> Obtained <b>Approved Built-up Area:</b>
<b>13.Note on the initiated work (If applicable)</b>	NA
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	Obtained
<b>15.Total Plot Area (sq. m.)</b>	107117.88 Sq. m.
<b>16.Deductions</b>	10315.93 Sq. m.
<b>17.Net Plot area</b>	96801.95 Sq.m.
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	a) FSI area (sq. m.): 245938.64 b) Non FSI area (sq. m.): 395115.96 c) Total BUA area (sq. m.): 641054.60
<b>18 (b).Approved Built up area as per DCR</b>	<b>Approved FSI area (sq. m.):</b> <b>Approved Non FSI area (sq. m.):</b> <b>Date of Approval:</b> 01-01-1900
<b>19.Total ground coverage (m2)</b>	21656.05
<b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>	0.22
<b>21.Estimated cost of the project</b>	12500000000

## 22.Number of buildings & its configuration

 <b>Joy S.Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 93 Meeting Date: September 5, 2019</b>	<b>Page 12 of 95</b>	<b>Name: K. Anil Kale</b>  <b>Shri. Anil Kale (Chairman SEAC-III)</b>
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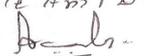
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	TOWER-A	B4+B3+B2+B1+GF+P1+P2+ Upper 15 floors	69.45
2	TOWER-B	B4+B3+B2+B1+GF+P1+P2+ Upper 15 floors	69.45
3	TOWER-C	B4+B3+B2+B1+GF+P1+P2+ Upper 15 floors	66.10
4	CAFETERIA+GYM+ Function Hall	GF+P1+P2+ Upper 2 floors	12.75
5	WELCOME CENTER	GF+P1+P2+ Upper 3 floors	19.50

23.Number of tenants and shops	Offices: 52
24.Number of expected residents / users	Users of office floors per tower: Tower A- 14190 Nos., Tower B- 12507 Nos., Tower C- 10322 Nos.
25.Tenant density per hectare	NA
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	24 M wide Road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 M and above
29.Existing structure (s) if any	NA
30.Details of the demolition with disposal (If applicable)	NA

### 31.Production Details

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

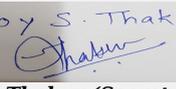
### 32.Total Water Requirement

 <b>Joy S.Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 93 Meeting Date: September 5, 2019</b>	<b>Page 13 of 95</b>	<b>Name: K. Anil Kale</b>  <b>Shri. Anil Kale (Chairman SEAC-III)</b>
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Dry season:	Source of water	PCMC/ Tanker
	Fresh water (CMD):	1010.16
	Recycled water - Flushing (CMD):	787.38
	Recycled water - Gardening (CMD):	110
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	1907.54
	Fire fighting - Underground water tank(CMD):	1200
	Fire fighting - Overhead water tank(CMD):	20 CM (Per Tower)
	Excess treated water	755.62
Wet season:	Source of water	PCMC/ Tanker
	Fresh water (CMD):	1010.16
	Recycled water - Flushing (CMD):	787.38
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	1797.54
	Fire fighting - Underground water tank(CMD):	1200
	Fire fighting - Overhead water tank(CMD):	20 CM (Per Tower)
	Excess treated water	865.62
Details of Swimming pool (If any)	NA	

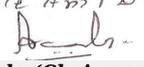
### 33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Water Requirement									
Domestic	0	1010.16	1010.16	0	101	101	0	909.16	909.16
Gardening	0	110	110	0	110	110	0	0	0
Fresh water requirement	0	1010.16	1010.16	0	101	101	0	909.16	909.16

Joy S. Thakur  
  
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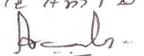
Name: K. Anil Kale  
  
 Shri. Anil Kale (Chairman SEAC-III)

<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	As per Hydrogeo Report
	<b>Size and no of RWH tank(s) and Quantity:</b>	NA
	<b>Location of the RWH tank(s):</b>	NA
	<b>Quantity of recharge pits:</b>	30 recharge pits have been proposed
	<b>Size of recharge pits :</b>	2.5 m x 2.5 m x 2.25 m
	<b>Budgetary allocation (Capital cost) :</b>	20 Lakhs
	<b>Budgetary allocation (O &amp; M cost) :</b>	2 Lakhs/yr.
	<b>Details of UGT tanks if any :</b>	Fire fighting (Underground water tank)= 1200 cmd
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	As per Contour Layout
	<b>Quantity of storm water:</b>	88.25 m3/min
	<b>Size of SWD:</b>	900 mm dia. 2 Nos. pipe
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	1707.6
	<b>STP technology:</b>	FAB+UF
	<b>Capacity of STP (CMD):</b>	1715 cmd
	<b>Location &amp; area of the STP:</b>	As per Layout
	<b>Budgetary allocation (Capital cost):</b>	400 lac (Including Civil)
	<b>Budgetary allocation (O &amp; M cost):</b>	35 lac/Annum
<b>36.Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	Soft rock: 14654 m3, Hard rock: 75466m3
	<b>Disposal of the construction waste debris:</b>	Will be used for site leveling & back filling
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	3887.0 Kg/d
	<b>Wet waste:</b>	1666.0 Kg/d
	<b>Hazardous waste:</b>	1500 lit/yr
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	170.76 Kg/d
	<b>Others if any:</b>	5553 kg/Annum

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**Name: K. Anil Kale**  
  
**Signature: Shri. Anil Kale (Chairman SEAC-III)**

<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Will be handed over to authorized vendor
	<b>Wet waste:</b>	Will be composted on site in OWC & manure will be used for landscape/greenbelt
	<b>Hazardous waste:</b>	Will be handed over to authorized vendor
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	Will be composted on site & manure will be used for landscape/greenbelt
	<b>Others if any:</b>	E waste will be handed over to authorized vendor
<b>Area requirement:</b>	<b>Location(s):</b>	As per Layout
	<b>Area for the storage of waste &amp; other material:</b>	600 Sq. m.
	<b>Area for machinery:</b>	600 Sq. m.
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	23.0 Lakhs
	<b>O &amp; M cost:</b>	0.92 Lakhs/yr.

### 37. Effluent Characteristics

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

### 38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Spent oil	5.1	lit/yr.	0	1500	1500	Will be handed over to authorized vendor

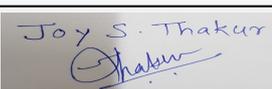
### 39. Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	DG Sets	HSD: 4020 Lit/hr.	9	2.5 m above terrace	0.4	150 degree celcius

### 40. Details of Fuel to be used

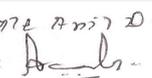
Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	0	4020.0 Lit/hr.	4020.0 Lit/hr.

41. Source of Fuel	Local Vendor
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Joy S. Thakur (Secretary SEAC-III)

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Name: K. Anil Kale  
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Shri. Anil Kale (Chairman SEAC-III)

42.Mode of Transportation of fuel to site	By Road
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<b>43.Green Belt Development</b>	<b>Total RG area :</b>	11268.14 Sq. m.
	<b>No of trees to be cut :</b>	0
	<b>Number of trees to be planted :</b>	Existing= 300, Proposed= 910, Total= 1210 Nos.
	<b>List of proposed native trees :</b>	Attached as belows
	<b>Timeline for completion of plantation :</b>	2 years after 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	Cassia fistula	Bahava	40	Flowering Plant
2	Roystonea regia	Royal Palm	40	Beautification
3	Ailathus excelsa	Maharukh	45	Beautification
4	Simarouba glauca	Laxmi Taru	40	Medicinal Value
5	Polyalthia longifolia	Ashoka	40	Medicinal Value
6	Caryota Mitis	Fish Tail Palm	35	Beautification
7	Albizia Lebbeck	Shirish	35	Shady & Medicinal Value
8	Azadirachta indica	Neem	40	Medicinal Value
9	Millettia Pinnata	Karanj	40	Medicinal Value
10	Mangifera indica	Mango	35	Fruit bearing
11	Michelia champaca	Sonchafa	40	Flowering Plant
12	Plumeria acutifolia	Temple tree	45	Flowering Plant
13	Spathodea campanulata	Tulip tree	45	Flowering Plant
14	Bauhinia racemose	Apta	45	Cultural & Religious
15	Butea monosperma	Palas	50	Flowering Plant
16	Dillenia indica	Karamal	40	Beautification
17	Mimusops elengi	Bakul	40	Flowering Plant
18	Wodyetia bifurcate	Foxtail palm	40	Beautification
19	Anthocephalus Cadamba	Kadamb	45	Flowering Plant
20	Manilkara zapota	Chikoo	45	Fruit bearing
21	Psidium guajava	Guava	40	Fruit bearing
22	Annona squamosa	Sitafal	45	Fruit bearing

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

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

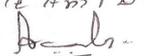
Serial Number	Name	C/C Distance	Area m2
1	NA	NA	NA

#### 47.Energy

Joy S. Thakur  
  
**Joy S.Thakur (Secretary SEAC-III)**

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<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	350 kW
	<b>DG set as Power back-up during construction phase</b>	1 No. x 400 kVA
	<b>During Operation phase (Connected load):</b>	40876 kW
	<b>During Operation phase (Demand load):</b>	24525 kW
	<b>Transformer:</b>	4 x 3000 kVA -Tower A, 4 x 2500 kVA -Tower B, 4 x 3000 kVA -Tower C
	<b>DG set as Power back-up during operation phase:</b>	9 x 3000 kVA for all Towers
	<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. Conventional T8 FTL with Magnetic Ballasts (2x36W). VS. Energy Efficient T5 FTL with HF Electronic Ballasts (2x28W)
2. Conventional Transformer against Low loss Transformer

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

Serial Number	Energy Conservation Measures	Saving %
1	1. Conventional T8 FTL with Magnetic Ballasts (2x36W). VS. Energy Efficient T5 FTL with HF Electronic Ballasts (2x28W)= 20%, 2. Conventional Transformer against Low loss Transformer= 20%	24.19 %

#### 50. Details of pollution control Systems

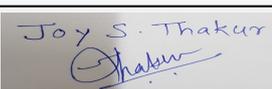
Source	Existing pollution control system	Proposed to be installed
DG Set	Not applicable	Stack & Acoustic Enclosure

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Capital Cost GIS Substation: 24.5 Cr., Capital cost Tower A, B & C Substation & HT DG Set: 56.5 Cr.
	<b>O &amp; M cost:</b>	2.5 Cr.

### 51. Environmental Management plan Budgetary Allocation

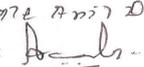
#### a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Environmental Monitoring	Air, water, noise & soil	5.44
2	Air Environment	Water spraying for dust suppression	10.84
3	Water Environment	Tanker water for construction	1.0

  
**Joy S. Thakur (Secretary SEAC-III)**

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4	Socio economic Environment	Disinfection, Pest Control, First Aid Services	15.12
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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	Environmental Monitoring	Air, water, noise & soil	0	12.74
2	Water	RWH	20	2
3	Water	STP	100	10
4	Energy	Solar PV Panels & Energy saving	8100	250
5	Land Environment	Gardening/Landscaping	100	12
6	Solid Waste	OWC	23	0.92

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

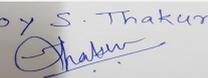
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

**52.Any Other Information**

No Information Available

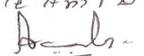
**53.Traffic Management**

Nos. of the junction to the main road & design of confluence:	2
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**Joy S.Thakur (Secretary SEAC-III)**

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Name: K 072 Anil D.  
  
**Shri. Anil Kale (Chairman SEAC-III)**

<b>Parking details:</b>	<b>Number and area of basement:</b>	254374.0 Sq. m.
	<b>Number and area of podia:</b>	One podium having 26725.91 Sq. m. area
	<b>Total Parking area:</b>	254373.99 Sq. m.
	<b>Area per car:</b>	12.5 Sq. m.
	<b>Area per car:</b>	12.5 Sq. m.
	<b>Number of 2-Wheelers as approved by competent authority:</b>	Scooters= 9840, Cycle= 6560
	<b>Number of 4-Wheelers as approved by competent authority:</b>	4133
	<b>Public Transport:</b>	Available
	<b>Width of all Internal roads (m):</b>	Min. 6 m
	<b>CRZ/ RRZ clearance obtain, if any:</b>	NA
	<b>Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries</b>	NA
	<b>Category as per schedule of EIA Notification sheet</b>	8(b)- Townships & Area Development Projects
	<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>	-

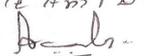
## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

  
**Joy S.Thakur (Secretary SEAC-III)**

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<b>Air Quality &amp; Noise Level issues</b>	Satisfactory.
<b>Energy Management</b>	Satisfactory.
<b>Traffic circulation system and risk assessment</b>	Satisfactory.
<b>Landscape Plan</b>	Satisfactory.
<b>Disaster management system and risk assessment</b>	Satisfactory.
<b>Socioeconomic impact assessment</b>	Satisfactory.
<b>Environmental Management Plan</b>	Satisfactory.
<b>Any other issues related to environmental sustainability</b>	Satisfactory.

### Brief information of the project by SEAC

PP has submitted his application for prior Environmental clearance for total plot area of 107117.88 m<sup>2</sup>, FSI area of 245938.64 m<sup>2</sup>, Non FSI area of 395115.96 m<sup>2</sup> and total BUA of 641054.60 m<sup>2</sup>.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B1

### DECISION OF SEAC

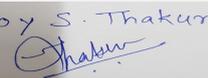
*PP has satisfactorily complied with the points raised in 91<sup>st</sup> meeting of SEAC-3.*

*SEAC decided to **recommend** the proposal for prior environmental Clearance.*

**Specific Conditions by SEAC:**

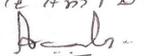
### FINAL RECOMMENDATION

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

*Joy S. Thakur*  
  
**Joy S. Thakur (Secretary SEAC-III)**

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**Name:** *Kale Anil D.*  
**Signature:**   
**Shri. Anil Kale (Chairman SEAC-III)**

## 93rd SEAC-3 Day 03

**SEAC Meeting number: 93 Meeting Date September 5, 2019**

**Subject:** Environment Clearance for Expansion of Proposed Residential & Commercial project " Gandharva Excellence" at Gat no. 160 & 161, Near Modern college of pharmacy, Moshi-Chikhali road , Boradewadi, Moshi, Pune by M/s. Yogesh Enterprises

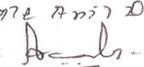
**Is a Violation Case:** No

<b>1.Name of Project</b>	Expansion of Proposed Residential & Commercial project " Gandharva Excellence" at Gat no. 160 & 161, Near Modern college of pharmacy, Moshi-Chikhali road , Boradewadi, Moshi, Pune by M/s. Yogesh Enterprises
<b>2.Type of institution</b>	Private
<b>3.Name of Project Proponent</b>	Mr. Vinayak Bhongale
<b>4.Name of Consultant</b>	J M EnviroNet Pvt Ltd -Ms. Sayali Jagtap(EIA Coordinator)
<b>5.Type of project</b>	Hosing 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>	Yes. EC letter no. SEAC-2212/CR-82/TC-2 dated 25th January, 2016.
<b>8.Location of the project</b>	Gat no. 160 & 161, Near Modern college of pharmacy, Moshi-Chikhali road , Boradewadi, Moshi, Pune
<b>9.Taluka</b>	Haveli
<b>10.Village</b>	Borhadewadi, Moshi
<b>Correspondence Name:</b>	Mr. Vinayak Bhongale
<b>Room Number:</b>	12
<b>Floor:</b>	-
<b>Building Name:</b>	Shopping complex
<b>Road/Street Name:</b>	Gandharva Nagari, Pune-Nashik highway
<b>Locality:</b>	Moshi
<b>City:</b>	Pune
<b>11.Whether in Corporation / Municipal / other area</b>	Pimpri Chinchwad Municipal Corporation (PCMC)
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	IOD received
	<b>IOD/IOA/Concession/Plan Approval Number:</b> BP/EP/BORHADEWADI/01/2019 dated 18.01.2019
	<b>Approved Built-up Area:</b> 90911.80
<b>13.Note on the initiated work (If applicable)</b>	Total Existing built up area : 51447.23 sq. m
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	MHADA letter No.PUM/Ka/A-1/3678 dated 28/05/18
<b>15.Total Plot Area (sq. m.)</b>	30400 sq. m
<b>16.Deductions</b>	4424.71 sq. m
<b>17.Net Plot area</b>	25975.30 sq. m
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> 42,209.61sq. m
	<b>b) Non FSI area (sq. m.):</b> 48702.19 sq. m
	<b>c) Total BUA area (sq. m.):</b> 90911.80
<b>18 (b).Approved Built up area as per DCR</b>	<b>Approved FSI area (sq. m.):</b> 42,209.61sq. m
	<b>Approved Non FSI area (sq. m.):</b> 48702.19 sq. m
	<b>Date of Approval:</b> 18-01-2019
<b>19.Total ground coverage (m2)</b>	4807.88 sq.mt
<b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>	18.5%

  
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21. Estimated cost of the project	743800000
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## 22. Number of buildings & its configuration

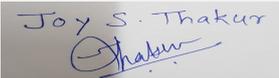
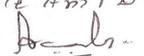
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Wing A	Basement + Ground + 11	35.80
2	Wing B	Parking + 12 floors	37.70
3	Wing C	Basement + Parking + 12	39.95
4	Wing D	Parking + 12 floors	37.70
5	Wing E	Parking + 12 floors	38.95
6	Wing F	Parking + 12 floors	37.70
7	Wing G	Parking + 12 floors	37.70
8	Wing H	Basement + Parking + 12	40.00
9	Wing I	Parking + 12 floors	37.70
10	Wing J	Parking + 12 floors	37.70
11	Commercial A	Ground	3.45
12	Club house	Ground +1	-

23. Number of tenants and shops	Residential : 738 Commercial shops : 20 no's
24. Number of expected residents / users	Residential : 3690 no's Commercial floating population : 80
25. Tenant density per hectare	250 Tenant/hectare
26. Height of the building(s)	
27. Right of way (Width of the road from the nearest fire station to the proposed building(s))	From 24 M Dehu Road
28. Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.00 m
29. Existing structure (s) if any	As per earlier EC Bldg. B, D, F, G, I, J and Club House completed on site.
30. Details of the demolition with disposal (If applicable)	NA

## 31. Production Details

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

## 32. Total Water Requirement

 <b>Joy S. Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 93 Meeting Date: September 5, 2019</b>	<b>Page 23 of 95</b>	<b>Name: K. Anil Kale</b>  <b>Shri. Anil Kale (Chairman SEAC-III)</b>
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Dry season:	Source of water	PCMC							
	Fresh water (CMD):	334.50							
	Recycled water - Flushing (CMD):	167.25							
	Recycled water - Gardening (CMD):	39							
	Swimming pool make up (Cum):	0							
	Total Water Requirement (CMD) :	540.75							
	Fire fighting - Underground water tank(CMD):	300							
	Fire fighting - Overhead water tank(CMD):	20							
	Excess treated water	200.17							
Wet season:	Source of water	PCMC							
	Fresh water (CMD):	334.50							
	Recycled water - Flushing (CMD):	167.25							
	Recycled water - Gardening (CMD):	0							
	Swimming pool make up (Cum):	0							
	Total Water Requirement (CMD) :	501.75							
	Fire fighting - Underground water tank(CMD):	300							
	Fire fighting - Overhead water tank(CMD):	20							
	Excess treated water	238.85							
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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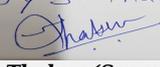
<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	Post monsoon 4.35 meter Pre monsoon 9.35 meter
	<b>Size and no of RWH tank(s) and Quantity:</b>	Total RWH tanks : 02 RWH tank 1 : 49 KLD RWH tank 2 : 54 KLD
	<b>Location of the RWH tank(s):</b>	Provided on plan
	<b>Quantity of recharge pits:</b>	9 no's
	<b>Size of recharge pits :</b>	Pit 2*2*2 meter Bore well 0.180 meter diameter and 60 meter depth silting chamber 1*1*1
	<b>Budgetary allocation (Capital cost) :</b>	Rs. 13,10,000/-
	<b>Budgetary allocation (O &amp; M cost) :</b>	Rs.2,00,000 /-
<b>Details of UGT tanks if any :</b>	Domestic UG tank Capacity (cum) : UGT 1(Bldg A,B,C,D, F +Comm.) : 268.60 m3/day UGT 2 (Bldg E, G, H, I, J) : 636.15 m3/day Flushing tank Capacity(cum) : 103.2 KLD Fire UG tank Capacity (cum) : 300 KLD	

<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	As per contour
	<b>Quantity of storm water:</b>	24.38 m3 per min
	<b>Size of SWD:</b>	-

<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	451.58 KLD
	<b>STP technology:</b>	MBBR technology
	<b>Capacity of STP (CMD):</b>	STP 1 - 210 KLD(Existing ) STP 2 - 260 KLD (Proposed)
	<b>Location &amp; area of the STP:</b>	Area : 215 sq.m
	<b>Budgetary allocation (Capital cost):</b>	STP 1 - Rs. 22,00,000/- STP 2 - Rs. 24,50,000/-
	<b>Budgetary allocation (O &amp; M cost):</b>	STP 1 - Rs.8,65,000/- STP 2 - Rs. 10,68,000/-

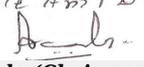
### 36.Solid waste Management

<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	30 kg/day
	<b>Disposal of the construction waste debris:</b>	Used within site premises
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	750 kg/day
	<b>Wet waste:</b>	1115 kg/day
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	42.5 kg/day
	<b>Others if any:</b>	NA

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<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	To authorized vendor
	<b>Wet waste:</b>	Treatment of OWC
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	Will be used as a manure
	<b>Others if any:</b>	NA
<b>Area requirement:</b>	<b>Location(s):</b>	Sown in layout
	<b>Area for the storage of waste &amp; other material:</b>	Existing - 10sq.m Proposed 53 sq.m
	<b>Area for machinery:</b>	Proposed - 47 sq. m Existing - 25 sq.mt
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	OWC 1 - Rs. 8,96,000/- OWC 2 - Rs.17,65,000/-
	<b>O &amp; M cost:</b>	OWC 1 - 2,50,000/- OWC 2 Rs. 4,94,000/-

### 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

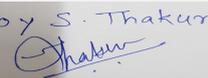
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable						

### 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

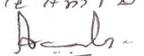
### 40.Details of Fuel to be used

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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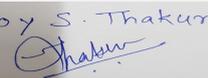
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<b>43.Green Belt Development</b>	<b>Total RG area :</b>	Mandatory RG required (10%) : 2886.38 sq. m , Total RG area provided on ground (12.79 %) : 3677.56 sq. m (RG provided on ground: 2891.10 sq. m + Additional green area on ground : 786.46 sq. m) , On podium : 2886.38 sq. m
	<b>No of trees to be cut :</b>	0
	<b>Number of trees to be planted :</b>	360 no's
	<b>List of proposed native trees :</b>	Attached below
	<b>Timeline for completion of plantation :</b>	Up to completion of project

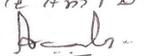
#### 44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Mimusops elengi	Bakul	11	Shady tree , small white fragrant flower
2	Neolamarckia cadamba	Kadamba	4	Fruit bearing tree , attract birds
3	Pongamia pinnata	Indian beech	8	Good medicinal use
4	Bauhinia purpurea	Rakta chandan	11	Fragrant flowers or leaves, evergreen tree, plant for pooja.
5	Michelia champaca	Sonchafa	17	Medium size evergreen tree. Fragrant yellow flowers, butterfly host plant.
6	Lagerstroemia flosreginae	Jarul	8	Creates shade, attract birds/butterflies/bees, good for screening
7	Albizia lebbeck	Shirish	20	Fragrant flowers or leaves, attract birds/butterflies/bees, draught tolerant
8	Mangifera indica	Mango	8	Tall evergreen tree with fruit bearing
9	Artocarpus heterophyllus	Jackfruit	2	Tall evergreen tree with fruit bearing
10	Syzygium cumini	Jamun	12	Tall evergreen tree with fruit bearing
11	Saraca indica	Sita Ashoka	58	Fragrant flowers or leaves, attract birds/butterflies/bees, deep green , shiny foliage
12	Butea monosperma	Palas	5	Fragrant flowers or leaves, flowers coving the entire crown, plant for pooja.
13	Azadirachta indica	Neem	57	plant for pooja/evergreen , Fragrant flowers or leaves, quick growing/insect repellent
14	Khaya grandis	Khaya	9	Evergreen tree
15	Cassia fistula	Golden shower	11	Auspicious, attract birds/butterflies/bees, hanging or weeping growth
16	Caryota urens	Fish tail palm	9	Tall Evergreen tree

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17	Saraca Asoka	Cotton tree	7	Shady tree , small white fragrant flower
18	Kailashpati couroupita	Kailashpati	7	Evergreen tree with fruit bearing
19	Putranjiva roxburghi	Putranjiva	11	Evergreen tree with fruit bearing
20	Nyctanthes arbor-tristis	Parijat	4	Small flowering tree
21	Areca catechu	Supalri palms	9	Ornamental nutty tree
22	Marraya piniculata	Kunti	27	Small tree, evergreen, fragrant white flowering
23	Ficus benjamina	Fig	29	Evergreen tree , native, can be pruned and given topiary, effect
24	Cassia fistula	Bahawa	16	Auspicious, attract birds/butterflies/bees, , hanging or weeping growth

**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>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	100 KW
	<b>DG set as Power back-up during construction phase</b>	82,5 KVA
	<b>During Operation phase (Connected load):</b>	3812.28 KVA
	<b>During Operation phase (Demand load):</b>	2096.4 KVA
	<b>Transformer:</b>	3 x 630 KVA & 1 x 315 KVA
	<b>DG set as Power back-up during operation phase:</b>	320 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:**

1. Use of LED lamps for common area (Club House,, Landscape, Children Play, Community Hall, Gym )
2. Stair-case, Lift lobby, passage, Shops, parking area lightings etc
3. Solar Hot water system
4. Street Lights.

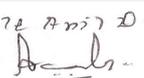
**49.Detail calculations & % of saving:**

Serial Number	Energy Conservation Measures	Saving %
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1	LED lamps + Common area lighting + Street lights + Solar hot water system	25 %
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### 50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs.1,50,00,000/-
	O & M cost:	Rs.7,50,000/-

### 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	Erosion control - dust suppression measures and barricading	Rs. 1,06,000 /-
2	Land	Site Sanitation	Rs.26,500 /-
3	Health & safety	Site Safety	Rs.88,000 /-
4	Environment management	Environmental Monitoring	Rs. 1,20,000/-
5	Health & safety	Disinfection and Health Check-ups	Rs. 45,000 /-

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

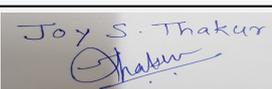
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	2 STP's	Rs. 46,50,000 /-	Rs. 19,33,000 /-
2	Rain Water Harvesting	9 pits	Rs. 13,10,000/-	Rs.2,00,000 /-
3	Solid Waste Management	2 OWC's	Rs. 26,61,000 /-	Rs. 7,44,000 /-
4	Green Belt Development	360 trees	Rs.25,00,000 /-	Rs.2,75,000 /-
5	Energy details	DG, Solar system	Rs.1,50,00,000/-	Rs. 7,50,000/-
6	Environmental Monitoring	EMP costing	-	Rs. 14,40,000/-

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

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

### 52.Any Other Information

No Information Available

  
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### 53. Traffic Management

	<b>Nos. of the junction to the main road &amp; design of confluence:</b>	24 m existing Dehu road
<b>Parking details:</b>	<b>Number and area of basement:</b>	1 No. Area - 4680.05 sq.mt
	<b>Number and area of podia:</b>	1 No. Area - 3509.33 sq.mt
	<b>Total Parking area:</b>	18796 sq.mt
	<b>Area per car:</b>	30 sq. m
	<b>Area per car:</b>	30 sq. m
	<b>Number of 2-Wheelers as approved by competent authority:</b>	1520 scooter & 1490 bicycle
	<b>Number of 4-Wheelers as approved by competent authority:</b>	394
	<b>Public Transport:</b>	Pune city buses
	<b>Width of all Internal roads (m):</b>	6.00 m & 7.5 m
	<b>CRZ/ RRZ clearance obtain, if any:</b>	NA
	<b>Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries</b>	None within 10 km
	<b>Category as per schedule of EIA Notification sheet</b>	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>	-

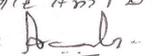
### SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

<b>Environmental Impacts of the project</b>	Satisfactory.
<b>Water Budget</b>	Satisfactory.
<b>Waste Water Treatment</b>	Satisfactory.

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

### Brief information of the project by SEAC

PP has submitted his application for prior Environmental clearance for total plot area of 30400 m<sup>2</sup>, FSI area of 42209.61 m<sup>2</sup>, Non FSI area of 48702.19 m<sup>2</sup> and total BUA of 90911.80 m<sup>2</sup>.

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

### DECISION OF SEAC

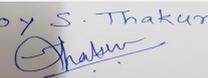
*PP has satisfactorily complied with the points raised in 81<sup>st</sup> meeting of SEAC-3.*

*SEAC decided to **recommend** the proposal for prior environmental Clearance.*

**Specific Conditions by SEAC:**

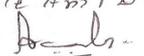
### FINAL RECOMMENDATION

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

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**Name:** *Kale Anil D.*  
**Signature:**   
**Shri. Anil Kale (Chairman SEAC-III)**

## 93rd SEAC-3 Day 03

**SEAC Meeting number: 93 Meeting Date September 5, 2019**

**Subject:** Environment Clearance for Environment Clearance for proposed residential & commercial project "Aishwaryam Comfort Gold" at Survey No 142/1/2b, 142/4, CTS No 5102, Plot B, Akurdi, Tal : Haveli , Pune, Maharashtra, by M/s. Essen Realtors

**Is a Violation Case:** No

<b>1.Name of Project</b>	"Aishwaryam Comfort Gold"
<b>2.Type of institution</b>	Private
<b>3.Name of Project Proponent</b>	M/s. Essen Realtors Name : Mr. Satish Bhimsen Agarwal Address : Survey No. 142/1/2b, 142/4, CTS No. 5102. Plot B, Akurdi Mob No : 9890052345 Mail Id : aishwaryam.akurdi@gmail.com
<b>4.Name of Consultant</b>	Goldfinch Engineering System Private Limited Plot No. A-288, Road No. 16 Z, Opp. Agriculture Office Bus-stop, Thane Industrial Area, MIDC (Wagle Estate), Thane (W) - 400604, Maharashtra, India. PH: 91-22-25801529/21/46 Accreditation No : NABET/EIA/1518/RA0066
<b>5.Type of project</b>	Residential CUM Commercial Project
<b>6.New project/expansion in existing project/modernization/diversification in existing project</b>	New project
<b>7.If expansion/diversification, whether environmental clearance has been obtained for existing project</b>	Not applicable
<b>8.Location of the project</b>	Survey No. 142/1/2b, 142/4, CTS No 5102, Plot B, Akurdi
<b>9.Taluka</b>	Haveli
<b>10.Village</b>	Akurdi
<b>Correspondence Name:</b>	Mr. Satish Bhimsen Agarwal
<b>Room Number:</b>	001
<b>Floor:</b>	Ground Floor
<b>Building Name:</b>	Aishwaryam Comfort Gold Head Office
<b>Road/Street Name:</b>	Advani Oerlikon Rd
<b>Locality:</b>	Akurdi
<b>City:</b>	Pimpri Chinchwad Municipal Corporation
<b>11.Whether in Corporation / Municipal / other area</b>	Pimpri Chinchwad Municipal Corporation
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	IOD/IOA/Concession/Plan Approval Number : INPROCESS <b>IOD/IOA/Concession/Plan Approval Number:</b> IOD/IOA/Concession/Plan Approval Number : INPROCESS <b>Approved Built-up Area:</b> 32422.73
<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>	5949.44 sq.mt.
<b>16.Deductions</b>	932.76 sq.mt.
<b>17.Net Plot area</b>	5328.12 sq.mt.
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> 13147.28 sq.mt. <b>b) Non FSI area (sq. m.):</b> 19275.45 sq.mt. <b>c) Total BUA area (sq. m.):</b> 32422.73
<b>18 (b).Approved Built up area as per DCR</b>	<b>Approved FSI area (sq. m.):</b> 6570.20 sq.mt. <b>Approved Non FSI area (sq. m.):</b> 14496.55 sq.mt. <b>Date of Approval:</b> 10-08-2018
<b>19.Total ground coverage (m2)</b>	2041.44 Sq.Mt.
<b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>	34.31%

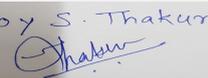
  
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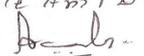
**Name:** Kote Anil D.  
**Signature:**   
**Shri. Anil Kale (Chairman SEAC-III)**

21. Estimated cost of the project		900000000		
<b>22. Number of buildings &amp; its configuration</b>				
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)	
1	D Type	B+G+3P+19 Floor	68.99 Mt.	
2	E Type	B+G+3P+19 Floor	68.99 Mt.	
3	Commercial	B.P. +GR+MEZZ+P2+P3	13.89 Mt.	
4	Club House	Gr+01	6.45 Mt.	
23. Number of tenants and shops		Tenement :- 216 Nos , Shop :- 13 Nos		
24. Number of expected residents / users		Residential - 1080 , Commercial - 138		
25. Tenant density per hectare		169.28/ha		
26. Height of the building(s)				
27. Right of way (Width of the road from the nearest fire station to the proposed building(s))		Nearest fire station distance 2.7km ( Fire Station Pradhikaran )		
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		NO		
30. Details of the demolition with disposal (If applicable)		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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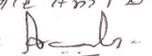
Name: K. Anil Kale  
  
 Signature: Shri. Anil Kale (Chairman  
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Dry season:	Source of water	PCMC							
	Fresh water (CMD):	100.65							
	Recycled water - Flushing (CMD):	51.36							
	Recycled water - Gardening (CMD):	5.97							
	Swimming pool make up (Cum):	2.00							
	Total Water Requirement (CMD) :	159.98							
	Fire fighting - Underground water tank(CMD):	200							
	Fire fighting - Overhead water tank(CMD):	20 Each Building							
	Excess treated water	64.27							
Wet season:	Source of water	PCMC							
	Fresh water (CMD):	100.65							
	Recycled water - Flushing (CMD):	51.36							
	Recycled water - Gardening (CMD):	NA							
	Swimming pool make up (Cum):	2.00							
	Total Water Requirement (CMD) :	154.00							
	Fire fighting - Underground water tank(CMD):	200							
	Fire fighting - Overhead water tank(CMD):	20 Each Building							
	Excess treated water	70.25							
Details of Swimming pool (If any)	Dimension of Swimming Pool : Area Of Pool : 95m X 1.2m depth Balancing Tank : 1.20 m x 8.50mx 1.35m Total Water Requirement in KLD : 126 KLD Water requirement for make up in KLD : 3.00 KLD Capital Cost : 3,761,781/- O & M cost : 2,16,000/-								
<b>33.Details of Total water consumed</b>									
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
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

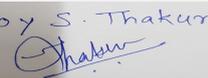
  
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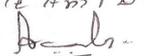
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<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	Pre Monsoon : 8 To 10 m
	<b>Size and no of RWH tank(s) and Quantity:</b>	NA
	<b>Location of the RWH tank(s):</b>	NA
	<b>Quantity of recharge pits:</b>	05 Nos
	<b>Size of recharge pits :</b>	2 m X 2m X 3 m
	<b>Budgetary allocation (Capital cost) :</b>	8.00 Lacs
	<b>Budgetary allocation (O &amp; M cost) :</b>	0.30 Lacs
	<b>Details of UGT tanks if any :</b>	Domestic Capacity :- 152 Cum Flushing UG Tank Capacity :- 78 Cum Fire Fighting Capacity :- 200 Cum
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	As per contour
	<b>Quantity of storm water:</b>	3.27 m <sup>3</sup> /min
	<b>Size of SWD:</b>	300 MM Diameter
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	136.81
	<b>STP technology:</b>	MBBR
	<b>Capacity of STP (CMD):</b>	140 KLD
	<b>Location &amp; area of the STP:</b>	As Per Drawing
	<b>Budgetary allocation (Capital cost):</b>	45.61 lacs
	<b>Budgetary allocation (O &amp; M cost):</b>	9.26 lacs/yr
<b>36.Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	Excavation: 7400 Cum = Top Soil: 1119 Cum + Murrum :6281 cum
	<b>Disposal of the construction waste debris:</b>	Top Soil: 1119 Cum - gardening, Murrum :6281 cum use for backfilling
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	237 kg/day
	<b>Wet waste:</b>	338 kg/day
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	17.22 kg/day
	<b>Others if any:</b>	NA

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<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Dry waste will be sent for recycling to agency SWACH
	<b>Wet waste:</b>	Wet waste will be converting to composting for by OWC
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	STP sludge sent to SWM site for converting in to compost
	<b>Others if any:</b>	NA
<b>Area requirement:</b>	<b>Location(s):</b>	As Per Drawing
	<b>Area for the storage of waste &amp; other material:</b>	8.00 Sq.Mt.
	<b>Area for machinery:</b>	28.00 Sq.Mt.
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	12.75 Lacs
	<b>O &amp; M cost:</b>	2.8 Lacs/yr

### 37. Effluent Characteristics

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

### 38. Hazardous Waste Details

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

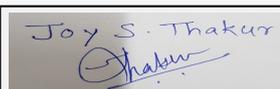
### 39. Stacks emission Details

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	Diesel Consumption Ltr. / hr. 100% Load - 46.20	1 Nos	3.00	0.0762	75 C

### 40. Details of Fuel to be used

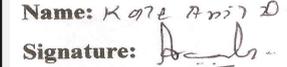
Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	Not applicable	HSD	HSD

41. Source of Fuel	Authorized vendor
42. Mode of Transportation of fuel to site	By road

  
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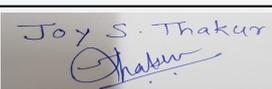
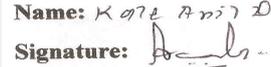
<b>43.Green Belt Development</b>	<b>Total RG area :</b>	568.00 Sq.mt.
	<b>No of trees to be cut :</b>	NA
	<b>Number of trees to be planted :</b>	102 Nos
	<b>List of proposed native trees :</b>	List Mention Below
	<b>Timeline for completion of plantation :</b>	1 Year before completion of work

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Albizia lebek	Shirish	06	Medicinal for Skin, Fragrant flowers, To control soil erosion, Bird attracting species ( Para kids eat seeds ).
2	Anthocephalus kadamba	Kadamb	06	Medicinal value, To control soil erosion, Birds, squirrels, monkey eat fruits.
3	Azardirachta indica	Neem	06	Medicinal value, To control soil erosion. To improve soil erosion
4	Bauhinia blackiana	Kanchanraj	06	Every part of the plant is medicinal, Drought tolerant species.
5	Bauhinia purpurea	Gulabi kanchan	06	Every part of the plant is medicinal, Drought tolerant species.
6	Butea monosperma	Palas	06	Medicinal value, Bird attracting species , To control soil erosion.
7	Cassia fistula	Bahawa	06	Medicinal value, Drought tolerant species, Very ornamental, Well flowering plant, Honey bee attracting species, Host plant for Butterfly.
8	Schleichera oleosa	Kusum	06	Native species, Fragrant flowers.
9	Cordia dichotoma	Bhokar	06	Medicinal value, Edible fruits,
10	Ficus arnottiana	Payar	05	Drought tolerant species, Bird attracting species. To control soil erosion.
11	Ficus glomerata	Umber	05	Medicinal value, Edible fruits, Bird attracting species
12	Michelia champaca	Sonchaffa	06	Medicinal value, Fragrant flowers, Butterfly larvae host plant, Bird attracting species, Fast growing.
13	Roystonea regia	Bottle palm	25	Ornamental plant, Medicinal value, Birds & bats eat fruits.
14	Mimosups elengii	Bakul	07	Fragrant flowers, Medicinal value, To control soil erosion.

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

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

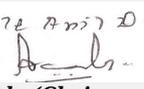
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Serial Number	Name	C/C Distance	Area m2
1	Nerium single pink	1'6"	8.97
2	Adulsa	1'6"	8.97
3	Tarwad	1'0"	8.97
4	Gavati Chaha	1'0"	8.97
5	Chitrak	1'0"	8.97
6	Variegated tagar	1'0"	8.97
7	Stachytarpheta Blue	1'0"	8.97
8	Stachytarpheta Red	1'0"	8.97
9	Ratrani	----	8.97
10	Shrimp plant red	1'0"	8.97
11	Mogra	1'0"	8.97
12	Sontakka	1'0"	8.97
13	Powder puff dwarf	1'6"	8.97
14	Cassica biflora	1'0"	8.97
15	Ficus black	2'0"	8.97
16	Ficus starlight	2'0"	8.97
17	Alpinia yellow varigated	1'0"	8.97
18	Euphorbia	1'6"	8.97
19	Kodia Yellow	1'0"	8.97
20	Heliconia orange upright	1'0"	8.97
21	Acalpha marble pink	1'0"	8.97
22	Kamini	2'0"	8.97
23	Allamanda miniature	1'0"	8.97
24	Hibiscus white regular	2'0"	8.97
25	Shankasur	2'0"	8.97
26	Ixora deep red	2'0"	8.97
27	Lagestromia indica	1'6"	8.97
28	Tantani	1'0"	8.97
29	Tagar blue	1'0"	8.97
30	Canara bush	1'0"	8.97
31	Nirgudi	1'0"	8.97
32	Sagargota	2'0"	8.97
33	Anant	2'0"	8.97
34	Takala	1'6"	8.97
35	Krushna kamal	----	8.97
36	Ran Jai	1'0"	8.97
37	Tulas	1'0"	8.97
<b>47. Energy</b>			

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<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	22 KW
	<b>DG set as Power back-up during construction phase</b>	30 KVA
	<b>During Operation phase (Connected load):</b>	1057.72 KVA
	<b>During Operation phase (Demand load):</b>	542 KVA
	<b>Transformer:</b>	630 KVA x 1 No.
	<b>DG set as Power back-up during operation phase:</b>	200 KVA x 1 No.
	<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. Timers and contactors will be used to switch on / off common area & external landscape and facade lighting.
2. LED fittings will be used for corridors, Lobbies and common areas.
3. Energy efficient LED lamps which give approx. 30% more light output for the same watts consumed and therefore require less nos. Of fixtures and corresponding lower point wiring costs.
4. All cables will be derated to avoid heating during use. This also indirectly reduces losses and improves reliability. To achieve the same we have considered current carrying capacity of all the cables laid through ground/air whichever is minimum.
5. 125 Ltrs of Solar water is provided for each flat of existing & new buildings .
6. Solar PV panel system is proposed for Street lighting & Building common load.

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

Serial Number	Energy Conservation Measures	Saving %
1	Solar Water Heating System + Solar PV Panel + LED Light fittings for PLOT A	16 %

#### 50. Details of pollution control Systems

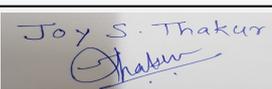
Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	30.00 Lacs
	<b>O &amp; M cost:</b>	2.59 Lacs/Year

### 51. Environmental Management plan Budgetary Allocation

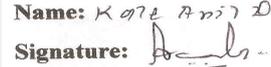
#### a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water	Dust Suppression	1.8
2	Site Sanitation, Health Check Up & Safety	Health & Safety	2.0

  
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3	Environmental Monitoring	Air, Water, Noise Soil	0.86
4	Disinfection	Disinfection	0.6
5	Health Check up	Health Check up	2.4

**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, water, Noise, Soil	Post Project Environment Monitoring	0.0	0.125
2	Water	Rainwater Harvesting	8.00	0.30
3	Wastewater	Sewage Treatment Plant	45.61	9.26
4	Municipal Solid waste	Solid waste Management	12.75	2.80
5	Plantation	Landscaping	13.40	2.14
6	Energy	Energy Savings	30.00	2.59

**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

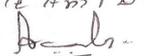
**53.Traffic Management**

Nos. of the junction to the main road & design of confluence:	NA
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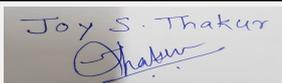
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**Name:** *Kale Anil D.*  
**Signature:**   
**Shri. Anil Kale (Chairman SEAC-III)**

<b>Parking details:</b>	<b>Number and area of basement:</b>	1 No.
	<b>Number and area of podia:</b>	3 Nos, Area :- 2041.44 Sq.Mt. ( Horizontal)
	<b>Total Parking area:</b>	5544.80 Sqm, ( For Cycle 442 Nos X 1.40 = 618.80 Sq.mt.)
	<b>Area per car:</b>	30.00 Sq.Mt. ( Covered ), 25.00 Sq.Mt. ( Open )
	<b>Area per car:</b>	30.00 Sq.Mt. ( Covered ), 25.00 Sq.Mt. ( Open )
	<b>Number of 2-Wheelers as approved by competent authority:</b>	462 Nos
	<b>Number of 4-Wheelers as approved by competent authority:</b>	118 Nos
	<b>Public Transport:</b>	Available near to side
	<b>Width of all Internal roads (m):</b>	6 Mt. To 8 Mt.
	<b>CRZ/ RRZ clearance obtain, if any:</b>	NA
	<b>Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries</b>	NO
	<b>Category as per schedule of EIA Notification sheet</b>	B2
	<b>Court cases pending if any</b>	NO
	<b>Other Relevant Informations</b>	NA
	<b>Have you previously submitted Application online on MOEF Website.</b>	No
	<b>Date of online submission</b>	-

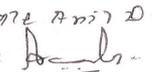
## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

  
**Joy S.Thakur (Secretary SEAC-III)**

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**Name:** K 072 Anil D.  
**Signature:**   
**Shri. Anil Kale (Chairman SEAC-III)**

<b>Air Quality &amp; Noise Level issues</b>	Satisfactory.
<b>Energy Management</b>	Satisfactory.
<b>Traffic circulation system and risk assessment</b>	Satisfactory.
<b>Landscape Plan</b>	Satisfactory.
<b>Disaster management system and risk assessment</b>	Satisfactory.
<b>Socioeconomic impact assessment</b>	Satisfactory.
<b>Environmental Management Plan</b>	Satisfactory.
<b>Any other issues related to environmental sustainability</b>	Satisfactory.

### Brief information of the project by SEAC

PP has submitted his application for prior Environmental clearance for total plot area of 5949.44 m<sup>2</sup>, FSI area of 13147.28 m<sup>2</sup>, Non FSI area of 19275.45 m<sup>2</sup> and total BUA of 32422.73 m<sup>2</sup>.

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

### DECISION OF SEAC

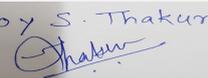
*PP has satisfactorily complied with the points raised in 88<sup>th</sup> meeting of SEAC-3.*

*SEAC decided to **recommend** the proposal for prior environmental Clearance.*

**Specific Conditions by SEAC:**

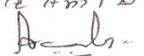
### FINAL RECOMMENDATION

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

*Joy S. Thakur*  
  
**Joy S. Thakur (Secretary SEAC-III)**

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**Name:** *Kale Anil D.*  
**Signature:**   
**Shri. Anil Kale (Chairman SEAC-III)**

## 93rd SEAC-3 Day 03

**SEAC Meeting number: 93 Meeting Date September 5, 2019**

**Subject:** Environment Clearance for Proposed Construction Project at S. No. 7(P), Village Dhanori, Taluka- Haveli, Dist.- Pune by Life Seasons Development LLP

**Is a Violation Case:** No

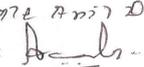
<b>1.Name of Project</b>	Proposed Construction Project at S. No. 7(P), Village Dhanori, Taluka- Haveli, Dist.- Pune by Life Seasons Development LLP
<b>2.Type of institution</b>	Private
<b>3.Name of Project Proponent</b>	Sagar Gandhi
<b>4.Name of Consultant</b>	MITCON Consultancy & Engineering Services Ltd.
<b>5.Type of project</b>	Housing Project
<b>6.New project/expansion in existing project/modernization/diversification in existing project</b>	New Project
<b>7.If expansion/diversification, whether environmental clearance has been obtained for existing project</b>	Not applicable
<b>8.Location of the project</b>	S. No. 7(P)
<b>9.Taluka</b>	Haveli
<b>10.Village</b>	Dhanori
<b>Correspondence Name:</b>	Sagar Gandhi
<b>Room Number:</b>	557/A/11B/1
<b>Floor:</b>	Office 6
<b>Building Name:</b>	Sadgurukrupa Building
<b>Road/Street Name:</b>	Salisbury Park, Behind Golden Embrald Hotel
<b>Locality:</b>	Gultekadi
<b>City:</b>	Pune
<b>11.Whether in Corporation / Municipal / other area</b>	Pune Municipal Corporation
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	PLANS NOT APPROVED AS OF YET
	<b>IOD/IOA/Concession/Plan Approval Number:</b> PLANS NOT APPROVED AS OF YET
	<b>Approved Built-up Area:</b> 22697.46
<b>13.Note on the initiated work (If applicable)</b>	NA
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	PLANS NOT APPROVED AS OF YET
<b>15.Total Plot Area (sq. m.)</b>	8900.0 Sq. m.
<b>16.Deductions</b>	2690.0 Sq. m.
<b>17.Net Plot area</b>	6210.0 Sq. m.
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> 15346.29
	<b>b) Non FSI area (sq. m.):</b> 7351.17
	<b>c) Total BUA area (sq. m.):</b> 22697.46
<b>18 (b).Approved Built up area as per DCR</b>	<b>Approved FSI area (sq. m.):</b> 15346.29
	<b>Approved Non FSI area (sq. m.):</b> 7351.17
	<b>Date of Approval:</b> 01-01-1900
<b>19.Total ground coverage (m2)</b>	1847.24
<b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>	29.98
<b>21.Estimated cost of the project</b>	350000000

## 22.Number of buildings & its configuration

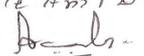
  
**Joy S.Thakur (Secretary SEAC-III)**

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**Name:** K. Anil Kale  
**Signature:**   
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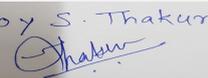
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)	
1	Building A	B1+G+12	34.20	
2	Building B	B1+G+11	31.35	
<b>23.Number of tenants and shops</b>	299 Tenements			
<b>24.Number of expected residents / users</b>	1495			
<b>25.Tenant density per hectare</b>	250			
<b>26.Height of the building(s)</b>				
<b>27.Right of way (Width of the road from the nearest fire station to the proposed building(s))</b>	18.0 m			
<b>28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation</b>	9.0 m			
<b>29.Existing structure (s) if any</b>	NA			
<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>				

 <b>Joy S.Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 93 Meeting Date: September 5, 2019</b>	<b>Page 44 of 95</b>	<b>Name: K. Anil Kale</b>  <b>Shri. Anil Kale (Chairman SEAC-III)</b>
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Dry season:	Source of water	PMC
	Fresh water (CMD):	134.5
	Recycled water - Flushing (CMD):	67.2
	Recycled water - Gardening (CMD):	6.0
	Swimming pool make up (Cum):	0.0
	Total Water Requirement (CMD) :	207.7
	Fire fighting - Underground water tank(CMD):	120
	Fire fighting - Overhead water tank(CMD):	265.9
	Excess treated water	121.05
Wet season:	Source of water	PMC
	Fresh water (CMD):	134.5
	Recycled water - Flushing (CMD):	67.2
	Recycled water - Gardening (CMD):	0.0
	Swimming pool make up (Cum):	0.0
	Total Water Requirement (CMD) :	201.7
	Fire fighting - Underground water tank(CMD):	120
	Fire fighting - Overhead water tank(CMD):	265.9
	Excess treated water	121.05
Details of Swimming pool (If any)	NA	

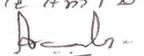
### 33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Water Requirement									
Domestic	0	207.7	207.7	0	20.8	20.8	0	187.0	187.0
Gardening	0	6.0	6.0	0	6.0	6.0	0	0	0
Fresh water requirement	0	134.5	134.5	0	13.45	13.45	0	121.05	121.05

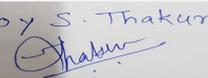
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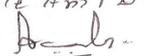
Name: K. Anil Kale  
  
 Shri. Anil Kale (Chairman SEAC-III)

<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	15-20 m bgl
	<b>Size and no of RWH tank(s) and Quantity:</b>	NA
	<b>Location of the RWH tank(s):</b>	NA
	<b>Quantity of recharge pits:</b>	5 Nos.
	<b>Size of recharge pits :</b>	2 m x 2 m x 2 m
	<b>Budgetary allocation (Capital cost) :</b>	2.0 Lakhs
	<b>Budgetary allocation (O &amp; M cost) :</b>	0.5 Lakhs/annum
	<b>Details of UGT tanks if any :</b>	1. BLDG 'A' - 1,93,00 ltr 2. BLDG 'B' - 1,20,000 ltr
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	As per Hydrogeo Report & contour plan
	<b>Quantity of storm water:</b>	5.54 Cu.m./Min.
	<b>Size of SWD:</b>	450 mm x 450 mm
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	187.0
	<b>STP technology:</b>	MBBR
	<b>Capacity of STP (CMD):</b>	1 No. of STP having 190 cmd capacity
	<b>Location &amp; area of the STP:</b>	North East Corner of Plot having area of 100 Sq. m.
	<b>Budgetary allocation (Capital cost):</b>	45.0 Lakhs
	<b>Budgetary allocation (O &amp; M cost):</b>	5.0 Lakhs/Annum
<b>36.Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	Domestic Waste: 20.0 Kg/d, Excavation quantity= 9670.03 Cu. m.
	<b>Disposal of the construction waste debris:</b>	Will be used within site for back filing & levelling
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	179.4 Kg/d
	<b>Wet waste:</b>	418.6 Kg/d
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	11.4 Kg/d
	<b>Others if any:</b>	E Waste= 149.5 Kg/year

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 SEAC-III)

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<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Will be handed over to authorized vendor 'Swach' for further disposal
	<b>Wet waste:</b>	Will be treated in OWC & manure will be used for greenbelt/landscape
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	Will be used as manure for greenbelt/landscape
	<b>Others if any:</b>	E Waste will be handed over to authorized vendor 'Swach' for further disposal
<b>Area requirement:</b>	<b>Location(s):</b>	Bottom left corner of plot
	<b>Area for the storage of waste &amp; other material:</b>	20.0 Sq. m.
	<b>Area for machinery:</b>	40.0 Sq. m.
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	15.0 Lakhs
	<b>O &amp; M cost:</b>	6.25 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						

### 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	Diesel= 45.9 Lit/hr.	1	2.5	0.2	150 degree celcius

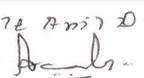
### 40. Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel	0	45.9 Lit/hr.	45.9 Lit/hr.
41. Source of Fuel		Local Vendor		
42. Mode of Transportation of fuel to site		By Road		

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<b>43.Green Belt Development</b>	<b>Total RG area :</b>	621.04 Sq. m.
	<b>No of trees to be cut :</b>	0
	<b>Number of trees to be planted :</b>	80
	<b>List of proposed native trees :</b>	Attached
	<b>Timeline for completion of plantation :</b>	After 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	Cassia fistula	Bahava	10	Flowering Plant
2	Roystonea regia	Royal Palm	10	Beautification
3	Ailanthus excelsa	Maharukh	10	Beautification
4	Simarouba glauca	Laxmi Taru	10	Medicinal Value
5	Polyalthia longifolia	Ashoka	10	Medicinal Value
6	Azadirachta indica	Neem	10	Medicinal Value
7	Millettia Pinnata	Karanj	10	Medicinal Value
8	Mangifera indica	Mango	10	Fruit bearing

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

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

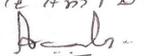
Serial Number	Name	C/C Distance	Area m2
1	NA	NA	NA

#### 47.Energy

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<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	65 KW
	<b>DG set as Power back-up during construction phase</b>	1 No. x 82.2 KVA
	<b>During Operation phase (Connected load):</b>	1339 KW
	<b>During Operation phase (Demand load):</b>	670 KW
	<b>Transformer:</b>	1 No. x 630 KVA
	<b>DG set as Power back-up during operation phase:</b>	1 No. x 200 KVA
	<b>Fuel used:</b>	Diesel
	<b>Details of high tension line passing through the plot if any:</b>	NA

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

Use of LED's, Solar Lamps, Solar PV Panels & Solar Water Heating.

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

Serial Number	Energy Conservation Measures	Saving %
1	Use of LED's, Solar Lamps, Solar PV Panels & Solar Water Heating	35 %

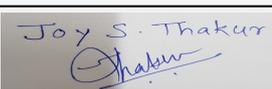
#### 50. Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
DG Set	Not applicable	Stack & Acoustic Enclosure
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	58.2 Lakhs
	<b>O &amp; M cost:</b>	0.75 Lakhs/annum

#### 51. Environmental Management plan Budgetary Allocation

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

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Environmental monitoring	PM10, PM2.5, SO2, NOx, CO, noise level, Analysis of water for physical, chemical, biological parameters	2.0
2	Air Environment	Water For Dust Suppression	1.0
3	Site Sanitation	Site Sanitation	1.0
4	Disinfection	Pest Control	1.5
5	First Aid Facilities	First Aid Facilities	2.0

  
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6	Health Check Up	Health Check Up	1.5
7	Personal protective equipment	Personal protective equipment	5.0

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

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Environmental Monitoring	Ambient Air quality, Noise Level, Exhaust from DG Set, Drinking Water, Sewage from STP, As per EP act, Manure	0	3.5
2	Water	RWH	2.0	0.5
3	Water	STP	45.0	5.0
4	Energy	Solar PV Cells	58.2	0.75
5	Land Environment	Gardening	10.0	2.0
6	Solid Waste	Solid Waste Management	15.0	6.25

**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
---	-----

Parking details:	Number and area of basement:	1 No.
	Number and area of podia:	NA
	Total Parking area:	5749.50 Sq. m.
	Area per car:	12.5 Sq. m.
	Area per car:	12.5 Sq. m.
	Number of 2-Wheelers as approved by competent authority:	Scooters= 633, Cycles= 429
	Number of 4-Wheelers as approved by competent authority:	261
	Public Transport:	PMC Buses available
	Width of all Internal roads (m):	Min. 6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8(a)- Building & Construction Projects
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

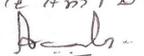
## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

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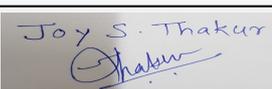
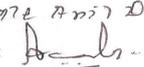
Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

### Brief information of the project by SEAC

PP has submitted his application for prior Environmental clearance for total plot area of 8900m<sup>2</sup>, FSI area of 15346.29m<sup>2</sup>, Non FSI area of 7351.17m<sup>2</sup> and total BUA of 22697.46m<sup>2</sup>.

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

### DECISION OF SEAC

 <b>Joy S.Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 93 Meeting Date: September 5, 2019</b>	<b>Page 52 of 95</b>	<b>Name: K. Anil Kale</b>  <b>Signature: Shri. Anil Kale (Chairman SEAC-III)</b>
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**During discussion following points emerged:**

1. PP to submit revised parking layout plan for basement and ground floor with minimum 5 m drive way width at all the places.
2. PP to submit basement approval plan. The slope of ramp shall be 1:10 and width minimum 6 m.
3. PP to submit parking statement showing total number of parking required and proposed.
4. PP to submit details of recharge pit.

PP requested for time to submit the information sought; after deliberations committee asked PP to **comply** with the observations and submit information to the committee for further discussion and consideration of SEAC.

**Specific Conditions by SEAC:**

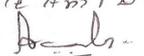
**FINAL RECOMMENDATION**

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

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Joy S. Thakur (Secretary  
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Name: K. Anil Kale  
Signature:   
Shri. Anil Kale (Chairman  
SEAC-III)

## 93rd SEAC-3 Day 03

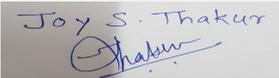
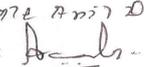
**SEAC Meeting number: 93 Meeting Date September 5, 2019**

**Subject:** Environment Clearance for Proposed Residential & Commercial project at S. No. 93/7 , Kiwale, Tal. Haveli, Pune by M/s. Diamond Nexus Properties

**Is a Violation Case:** No

<b>1.Name of Project</b>	Proposed Residential & Commercial project at S. No. 93/7 , Kiwale, Tal. Haveli, Pune by M/s. Diamond Nexus Properties
<b>2.Type of institution</b>	Private
<b>3.Name of Project Proponent</b>	Mr. Hardik Patel & Mr. Satishkumar Patel
<b>4.Name of Consultant</b>	J M EnviroNet Pvt Ltd , Ms. Sayali Jagtap(EIA Cordinator )
<b>5.Type of project</b>	Housing Project
<b>6.New project/expansion in existing project/modernization/diversification in existing project</b>	New
<b>7.If expansion/diversification, whether environmental clearance has been obtained for existing project</b>	Not applicable
<b>8.Location of the project</b>	S. No. 93/7 , Kiwale, Tal. Haveli, Pune
<b>9.Taluka</b>	Haveli
<b>10.Village</b>	Kiwale
<b>Correspondence Name:</b>	Ms. Sayali Jagtap
<b>Room Number:</b>	F3
<b>Floor:</b>	First floor
<b>Building Name:</b>	Dindayal Nagar
<b>Road/Street Name:</b>	Medical college road
<b>Locality:</b>	Katraj
<b>City:</b>	Pune
<b>11.Whether in Corporation / Municipal / other area</b>	Pimpri Chinchwad Municipal Corporation (PCMC)
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	IOD received <b>IOD/IOA/Concession/Plan Approval Number:</b> BP/ EC/Kiwale/03/18 dated 18.05.18 <b>Approved Built-up Area:</b> 41704.28
<b>13.Note on the initiated work (If applicable)</b>	Total constructed area on site : 600 sq. m whihc is below 20000 sq. m
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	NA
<b>15.Total Plot Area (sq. m.)</b>	11300
<b>16.Deductions</b>	1657.11
<b>17.Net Plot area</b>	9642.89
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> 21805.70 sq. m <b>b) Non FSI area (sq. m.):</b> 19898.58 sq. m <b>c) Total BUA area (sq. m.):</b> 41704.28
<b>18 (b).Approved Built up area as per DCR</b>	<b>Approved FSI area (sq. m.):</b> 21805.70 sq. m <b>Approved Non FSI area (sq. m.):</b> 19898.58 sq. m <b>Date of Approval:</b> 18-05-2018
<b>19.Total ground coverage (m2)</b>	2173.04 sq. m
<b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>	22.53 %
<b>21.Estimated cost of the project</b>	590000000

## 22.Number of buildings & its configuration

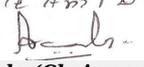
 <b>Joy S.Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 93 Meeting Date: September 5, 2019</b>	<b>Page 54 of 95</b>	<b>Name:</b> K 072 Anil D <b>Signature:</b>  <b>Shri. Anil Kale (Chairman SEAC-III)</b>
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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)	
1	Building A	Ground + 11 floors	36 m	
2	Building B	Parking + 11 floors	33 m	
3	Building C	2 Parking + 12 floors	36 m	
4	Building D	2 Parking + 12 floors	36 m	
5	Building E	2 Parking + 12 floors	36 m	
6	MHADA Building F	Parking + 7 floors	21 m	
7	Club House	Ground + 1 floor	7.15 m	
<b>23.Number of tenants and shops</b>		Residential : 484 Commercial		
<b>24.Number of expected residents / users</b>		Residential : 2420 nos. Commercial floating population: 90 no's		
<b>25.Tenant density per hectare</b>		428 per 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>		Width of right of way 18 m from nearest fire station at Pradhikaran fire station Distance : 6.5 km		
<b>28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation</b>		9.00 m		
<b>29.Existing structure (s) if any</b>		Not applicable		
<b>30.Details of the demolition with disposal (If applicable)</b>		Not applicable		
<b>31.Production Details</b>				
Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable
<b>32.Total Water Requirement</b>				

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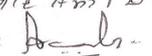
Name: K. Anil Kale  
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Dry season:	Source of water	PCMC							
	Fresh water (CMD):	219.60							
	Recycled water - Flushing (CMD):	111.15							
	Recycled water - Gardening (CMD):	6.43							
	Swimming pool make up (Cum):	8.60							
	Total Water Requirement (CMD) :	345.78							
	Fire fighting - Underground water tank(CMD):	300							
	Fire fighting - Overhead water tank(CMD):	20							
	Excess treated water	173.81							
Wet season:	Source of water	PCMC							
	Fresh water (CMD):	219.60							
	Recycled water - Flushing (CMD):	111.15							
	Recycled water - Gardening (CMD):	0							
	Swimming pool make up (Cum):	8.60							
	Total Water Requirement (CMD) :	339.39							
	Fire fighting - Underground water tank(CMD):	300							
	Fire fighting - Overhead water tank(CMD):	20							
	Excess treated water	180.24							
Details of Swimming pool (If any)		<ul style="list-style-type: none"> <li>• Water requirement for make up in KLD: 8.60 KLD</li> <li>• Capital Cost: Rs. 8,00,000 /-</li> <li>• O &amp; M cost: - Rs. 1,20,000 /-</li> </ul>							
<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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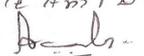
**Name: K. Anil Kale**  
**Signature: **  
**Shri. Anil Kale (Chairman SEAC-III)**

<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	4-10 m BGL
	<b>Size and no of RWH tank(s) and Quantity:</b>	Not applicable
	<b>Location of the RWH tank(s):</b>	Not applicable
	<b>Quantity of recharge pits:</b>	04 no's
	<b>Size of recharge pits :</b>	1.5 x 1.5 x 1.5 m with 178 mm dia depth 60 m
	<b>Budgetary allocation (Capital cost) :</b>	Rs. 1,87,000 /-
	<b>Budgetary allocation (O &amp; M cost) :</b>	Rs. 20,000 /-
	<b>Details of UGT tanks if any :</b>	1. Domestic UG tank Capacity (cum) : 329 KLD 2. Flushing tank Capacity(cum) : 165.38 KLD 3. Fire UG tank Capacity (cum) : 300 kLD
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	East to west
	<b>Quantity of storm water:</b>	9.097 m3 per min.
	<b>Size of SWD:</b>	450 mm
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	297.68
	<b>STP technology:</b>	MBBR Technology
	<b>Capacity of STP (CMD):</b>	STP 1 (Residential + Commercial ) : 280 KLD , STP 2 (MHADA ) : 25 KLD
	<b>Location &amp; area of the STP:</b>	STP 1 : 120 sq. M STP 2 : 30 sq . m
	<b>Budgetary allocation (Capital cost):</b>	Rs. 1,07,30,000 /-
	<b>Budgetary allocation (O &amp; M cost):</b>	Rs. 20,61,700 /-
<b>36.Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	30 kg/day
	<b>Disposal of the construction waste debris:</b>	Will be used within site premises.
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	497.50 kg/day
	<b>Wet waste:</b>	735 kg.day
	<b>Hazardous waste:</b>	Negligible
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	14.88 kg/day
	<b>Others if any:</b>	NA

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<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	To SWACH
	<b>Wet waste:</b>	Treatment through OWC
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	Will be used as a manure after treatment
	<b>Others if any:</b>	NA
<b>Area requirement:</b>	<b>Location(s):</b>	On layout
	<b>Area for the storage of waste &amp; other material:</b>	50 sq. m
	<b>Area for machinery:</b>	35 sq. m
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs. 22,00,000 /-
	<b>O &amp; M cost:</b>	Rs. 5,00,000 /-

### 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

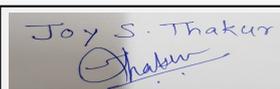
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable						

### 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

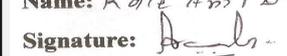
### 40. Details of Fuel to be used

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>	1071.93 sq. m
	<b>No of trees to be cut :</b>	0
	<b>Number of trees to be planted :</b>	0
	<b>List of proposed native trees :</b>	122
	<b>Timeline for completion of plantation :</b>	Up to project completion

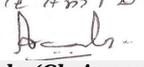
#### 44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Neolamarckia cadamba	Kadamb	8	"Medium size deciduous tree, Draught tolerant,Beautiful yellow flower,butterfly host plant. "
2	Cassia fistula	Bahava	8	"Medium size deciduous tree, Draught tolerant,Beautiful yellow flower,butterfly host plant. "
3	Bahunia purpurea	Kanchan	8	"Medium size pink flowering tree. "
4	Lagerstromia indica	Taman	10	"State flower of maharashtra, medium size tree with beautiful purple flower. "
5	Michelia champaca	Sonchafa	12	"Medium size evergreen tree. Fragrant yellow flowers,butterfly host plant. "
6	Swietenia mahagoni	Mahogany	8	Medium size semi evergreen tree.
7	Azadirachta indica	Neem	12	"Semi - evergreen tree with medicinal value. "
8	Butea monosperma	palash	8	"Semi - evergreen tree with medicinal value. "
9	Plumeria Acutifolia	Temple tree	11	"Evergreen medium size white flowering tree, medicinal value. "
10	Plumeria Rubra	Franjipani	6	"Evergreen medium size white flowering tree, medicinal value. "
11	Aegle marmelos	Bel	6	Spiritual and Medicinal value.
12	Emblica Officinalis	Awala	3	"Medicinal plant, edible fruits, butterfly host tree. "
13	Psidium guayava	gauva	6	Medium sized fruit bearing tree, medicinal plant-good source of calcium and vitamin C.
14	Achras sapota	Chikko	7	Medium sized fruit bearing tree, medicinal value,bird attracting tree
15	Annona squamosa	Sitaphal	3	Medium sized fruit bearing tree, medicinal value.
16	Mangifera indica	Mango	6	"State tree of maharashtra (Auspicious tree), greening & popular edible fruits, medicinal & butterfly host tree. "
<b>45.Total quantity of plants on ground</b>				

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

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

**47.Energy**

<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	30
	<b>DG set as Power back-up during construction phase</b>	50 KVA
	<b>During Operation phase (Connected load):</b>	1699.23 KW
	<b>During Operation phase (Demand load):</b>	1064.19 KW
	<b>Transformer:</b>	2 x 630 kVA
	<b>DG set as Power back-up during operation phase:</b>	140 KVA , 20 KVA & 30 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:**

- As per MSEDCL requirements, we will use high efficiency Transformer i.e. Level II as per BIS 1180. Losses for Transformer at 50% loading & 100% loading will be as per BIS standards & ECBC norms.
- We are planning to keep power factor of the common load installation near unity.
- Following are the Energy efficient fixtures should be used in our project for energy conservation :-
  - Energy efficient LED fixtures are proposed for parking area of all buildings.
  - LED lighting fixtures are proposed for general lighting for common passages, staircase & terrace area.
  - The estimated saving in common area lighting consumption is up to 7.17% due to adopting above measures.
- Solar Heating System is being proposed for Hot water to be used in toilet of each apartment.
- V3F drive motors should be used for lifts, which saves 30% energy consumption.

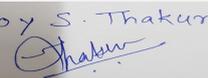
**49.Detail calculations & % of saving:**

Serial Number	Energy Conservation Measures	Saving %
1	Energy efficient LED fixtures for parking area & common area + Solar Hot water system + Solar PV panels	19.32 %

**50.Details of pollution control Systems**

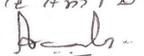
Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs. 47,67,000 /-
	<b>O &amp; M cost:</b>	Rs. 2,38,350 /-

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## 51.Environmental Management plan Budgetary Allocation

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

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air	Erosion control - dust suppression measures and barricading	Rs. 1,06,000 /-
2	Land	Site Sanitation	Rs. 26,500 /-
3	Health & safety	Site Safety	Rs. 88,000 /-
4	Environment management	Environmental Monitoring	Rs. 1,20,000 /-
5	Health & safety	Disinfection and Health Check-ups	Rs. 45,000 /-

### 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	2 STP's	Rs. 1,07,30,000 /-	Rs. 20,61,700 /-
2	Rain Water Harvesting	04 no's of pits	Rs. 1,87,000 /-	Rs. 20,000 /-
3	Solid Waste Management	OWC	Rs. 22,00,000 /-	Rs. 5,00,000 /-
4	Green Belt Development	122 no's of trees	Rs. 13,39,913 /-	Rs. 1,79,400 /-
5	Energy	DG + Energy saving measures	Rs. 47,67,000 /-	Rs. 2,38,350 /-
6	Environmental Monitoring	Environment management	-	Rs. 1,20,000 /-

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

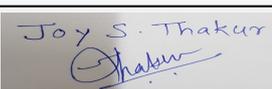
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

## 52.Any Other Information

No Information Available

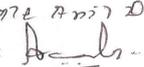
## 53.Traffic Management

	<b>Nos. of the junction to the main road &amp; design of confluence:</b>	The project has direct access from the existing 18 m road
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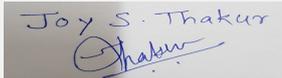
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<b>Parking details:</b>	<b>Number and area of basement:</b>	Not applicable
	<b>Number and area of podia:</b>	1 Podium for parking
	<b>Total Parking area:</b>	11923.2 sq. m
	<b>Area per car:</b>	30 sq. m
	<b>Area per car:</b>	30 sq. m
	<b>Number of 2-Wheelers as approved by competent authority:</b>	Scooters : 998 , Cycles : 978
	<b>Number of 4-Wheelers as approved by competent authority:</b>	252
	<b>Public Transport:</b>	Pune city buses
	<b>Width of all Internal roads (m):</b>	6.00 m
	<b>CRZ/ RRZ clearance obtain, if any:</b>	Not applicable
	<b>Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries</b>	None within 10 km
	<b>Category as per schedule of EIA Notification sheet</b>	B2
	<b>Court cases pending if any</b>	Not applicable
	<b>Other Relevant Informations</b>	Not applicable
	<b>Have you previously submitted Application online on MOEF Website.</b>	No
	<b>Date of online submission</b>	-

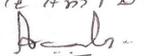
## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

  
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<b>Air Quality &amp; Noise Level issues</b>	Satisfactory.
<b>Energy Management</b>	Satisfactory.
<b>Traffic circulation system and risk assessment</b>	Satisfactory.
<b>Landscape Plan</b>	Satisfactory.
<b>Disaster management system and risk assessment</b>	Satisfactory.
<b>Socioeconomic impact assessment</b>	Satisfactory.
<b>Environmental Management Plan</b>	Satisfactory.
<b>Any other issues related to environmental sustainability</b>	Satisfactory.

### Brief information of the project by SEAC

PP has submitted his application for prior Environmental clearance for total plot area of 11300 m<sup>2</sup>, FSI area of 21805.70 m<sup>2</sup>, Non FSI area of 19898.58 m<sup>2</sup> and total BUA of 41704.28 m<sup>2</sup>.

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

### DECISION OF SEAC

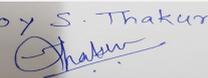
PP has satisfactorily complied with the points raised in 87<sup>th</sup> meeting of SEAC-3.

SEAC decided to **recommend** the proposal for prior environmental Clearance.

**Specific Conditions by SEAC:**

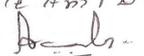
### FINAL RECOMMENDATION

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

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 Joy S. Thakur (Secretary  
 SEAC-III)

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Name: K. Anil Kale  
 Signature:   
 Shri. Anil Kale (Chairman  
 SEAC-III)

## 93rd SEAC-3 Day 03

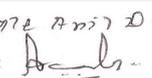
**SEAC Meeting number: 93 Meeting Date September 5, 2019**

**Subject:** Environment Clearance for Environment Clearance for " Sankalp Vastu " Proposed Residential & Commercial project at S.No 5/2, 5/3, 5/4, 6/41, 6/9, 6/37/2, 6/13/2, Chovisawadi, Near Charholi Phata , PCMC, By M/s. Sankalp Realty.

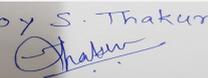
**Is a Violation Case:** No

1.Name of Project	"SANKALP VASTU"
2.Type of institution	Private
3.Name of Project Proponent	Mr. TARUNKUMAR ARVINDBHAI PATEL
4.Name of Consultant	Mrs. Anuja Karhu. (Goldfinch Engineering System Private Limited)
5.Type of project	Residential + Commercial
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	Sr. No 5/2, 5/3, 5/4, 6/41, 6/9, 6/37/2, 6/13/2, Chovisawadi, Near Charholi Phata , PCMC
9.Taluka	Haveli
10.Village	Chowisawadi
Correspondence Name:	Mr. Nilesh Kantibhai Patel
Room Number:	----
Floor:	----
Building Name:	Vastushilp
Road/Street Name:	Dabhade vasti
Locality:	Charholi
City:	PUNE
11.Whether in Corporation / Municipal / other area	Pimpri Chinchwad Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	NA
	<b>IOD/IOA/Concession/Plan Approval Number:</b> IOD/IOA/Concession/Plan Approval Number : In Process, Inward Date :- 25/02/19
	<b>Approved Built-up Area:</b> 25855.63
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Applicable
15.Total Plot Area (sq. m.)	6717.00 sq.mt.
16.Deductions	1034.82 sq.mt.
17.Net Plot area	5682.18 sq.mt.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	<b>a) FSI area (sq. m.):</b> 12605.21 sq.mt.
	<b>b) Non FSI area (sq. m.):</b> 13250.42 sq.mt.
	<b>c) Total BUA area (sq. m.):</b> 25855.63
18 (b).Approved Built up area as per DCR	<b>Approved FSI area (sq. m.):</b> 12647.98 sq.mt.
	<b>Approved Non FSI area (sq. m.):</b> 13250.42 sq.mt.
	<b>Date of Approval:</b> 25-02-2019
19.Total ground coverage (m2)	1638.97 sq.mt.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	24.40 %
21.Estimated cost of the project	480000000

## 22.Number of buildings & its configuration

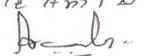
 <b>Joy S.Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 93 Meeting Date: September 5, 2019</b>	<b>Page 64 of 95</b>	<b>Name:</b> K 072 Anil D <b>Signature:</b>  <b>Shri. Anil Kale (Chairman SEAC-III)</b>
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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)	
1	WING- A (Residential + Commercial + MHADA)	B+G+11	36 m	
2	WING- B (Residential + MHADA)	B+P+11	36 m	
3	Wing C	B+P+11	36 m	
4	Club House	G+1	6.85 m	
<b>23.Number of tenants and shops</b>	Residential :- 267 Nos., MHADA :- 20 Nos., Commercial :- 24 Nos.			
<b>24.Number of expected residents / users</b>	Residential :- 1335 MHADA :- 100 Commercial :- 275			
<b>25.Tenant density per hectare</b>	316/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>	Nearest fire station distance 7.9 km (PCMC Fire Brigade)			
<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>	No			
<b>30.Details of the demolition with disposal (If applicable)</b>	NO			
<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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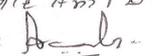
**Name: Kote Anil D.**  
  
**Signature: Shri. Anil Kale (Chairman SEAC-III)**

Dry season:	Source of water	PCMC							
	Fresh water (CMD):	136.03							
	Recycled water - Flushing (CMD):	70.08							
	Recycled water - Gardening (CMD):	6.00							
	Swimming pool make up (Cum):	0.00							
	Total Water Requirement (CMD) :	212.10							
	Fire fighting - Underground water tank(CMD):	225							
	Fire fighting - Overhead water tank(CMD):	10 CMD For Each Building							
	Excess treated water	88.81							
Wet season:	Source of water	PCMC							
	Fresh water (CMD):	136.03							
	Recycled water - Flushing (CMD):	70.08							
	Recycled water - Gardening (CMD):	0							
	Swimming pool make up (Cum):	0							
	Total Water Requirement (CMD) :	206.11							
	Fire fighting - Underground water tank(CMD):	225							
	Fire fighting - Overhead water tank(CMD):	10 CMD For Each Building							
	Excess treated water	94.81							
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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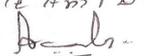
**Name: K. Anil Kale**  
**Signature: **  
**Shri. Anil Kale (Chairman SEAC-III)**

<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	Post Monsoon : 4.0 m Pre Monsoon : 10.0 m
	<b>Size and no of RWH tank(s) and Quantity:</b>	NA
	<b>Location of the RWH tank(s):</b>	NA
	<b>Quantity of recharge pits:</b>	07 Nos
	<b>Size of recharge pits :</b>	Pit 2*2*2 meter, Bore well 0.180 meter, diameter and 60 meter depth silting chamber 1*1*1
	<b>Budgetary allocation (Capital cost) :</b>	10.50 Lacs
	<b>Budgetary allocation (O &amp; M cost) :</b>	0.4 Lacs/Year
	<b>Details of UGT tanks if any :</b>	Domestic Capacity (Cum) - 205 Cum, Flushing UG Tank Capacity (Cum) : 106 Cum, Fire Fighting Capacity (Cum) : 75 Cum
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	As per Drawing
	<b>Quantity of storm water:</b>	3.71 m3/min
	<b>Size of SWD:</b>	300 mm
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	185.49
	<b>STP technology:</b>	MBBR
	<b>Capacity of STP (CMD):</b>	190 KLD
	<b>Location &amp; area of the STP:</b>	As Per Drawing
	<b>Budgetary allocation (Capital cost):</b>	61.94 lacs
	<b>Budgetary allocation (O &amp; M cost):</b>	10.89 lacs/Year
<b>36.Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	Excavation - 4917 Cum , Filling in Plinth - 5900 Cum
	<b>Disposal of the construction waste debris:</b>	Concrete-390 Cum , Cement Bag-150000 Bag , Steel-28 MT , AAC Blocks-144 Cum , Flooring & Dado Tile-1150 Sqm , Tile Boxes-44750 Nos , Paint Container-1570 Nos.
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	328 kg
	<b>Wet waste:</b>	458 kg
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	22.37 kg
	<b>Others if any:</b>	NA

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<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Dry waste will be sent for recycling to agency Swatch
	<b>Wet waste:</b>	Wet waste will be converting to composting for by OWC
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	STP sludge sent to SWM site for converting in to compost
	<b>Others if any:</b>	NA
<b>Area requirement:</b>	<b>Location(s):</b>	As Per Drawing
	<b>Area for the storage of waste &amp; other material:</b>	12.00 Sq.mt
	<b>Area for machinery:</b>	36.00 Sq.mt
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	14.75Lacs
	<b>O &amp; M cost:</b>	3.078 Lacs/yr

### 37. Effluent Characteristics

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

### 38. Hazardous Waste Details

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

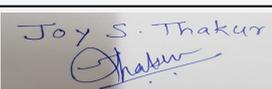
### 39. Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	300 KVA & 1 no.	HSD	1	3.5	0.1524	509

### 40. Details of Fuel to be used

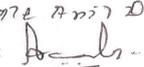
Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	-	HSD	HSD

41. Source of Fuel	Authorized vendor
42. Mode of Transportation of fuel to site	By road

  
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<b>43.Green Belt Development</b>	<b>Total RG area :</b>	640.27 Sq.mt.
	<b>No of trees to be cut :</b>	NA
	<b>Number of trees to be planted :</b>	93 Nos
	<b>List of proposed native trees :</b>	List Mention Below
	<b>Timeline for completion of plantation :</b>	1 Year before completion of work

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Manikara zapota	Chikoo	1	Tropical fruit tree & bird attracting tree
2	Michelia champaca	Champa	10	Evergreen timber plant, ornamental
3	Mimusopes elengi	Bakul	10	Evergreen tree, timber yielding and medicinal plant
4	Ficus benjamina	Weeping fig	10	Evergreen & bird attracting tree
5	Cassia fistula	Golden shower	10	Drought tolerant, ornamental & medicinal plant
6	Butea monosperma	Flame tree	2	Used in pesticide & dye preparation
7	Cassia grandis	Pink shower	10	Drought tolerant, ornamental & medicinal plant
8	Bauhinia blackiana	Kanchan	10	Evergreen medicinal plant
9	Roystonea regia	Royal palm	5	Nitrogen fixer, ornamental plant
10	Syzygium cumini	Jambhul	10	fruit tree & bird attracting
11	Neolamarkia cadamba	Kadamba tree	1	Tropical fruit tree & bird attracting tree
12	Mangifera indica	Mango tree	1	Evergreen & bird attracting tree
13	Ficus religiosa	Pimpal	1	Evergreen & bird attracting tree
14	Ficus bengalensis	Wad	1	Shade Loving& bird attracting tree
15	Albezia libbeck	shirish	3	Evergreen & bird attracting tree
16	Azadirecta indica	Neem	6	Evergreen & bird attracting tree
17	Caryota mitis	Fishtail palm	2	Nitrogen fixer, ornamental plant

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

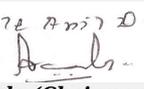
#### 46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	Duranta	0.30m	0.60
2	Golden dew drop	0.30m	0.60
3	Oleander pink	0.40m	0.60
4	Oleander red	0.40m	0.60
5	Oleander white	0.30m	0.60
6	Gaudichaudi	0.60m	1.50
7	Crape jasmine	0.30m	0.90

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8	Tagar miniature	0.30m	0.45
9	Tabernaemontana variegated	0.40m	0.60
10	Plumbago	0.40m	0.90
11	Sonoran cassia	0.60m	1.00
12	Paper flower	0.40m	0.60
13	Golden trumpet	0.30m	0.40
14	Crape myrtle	0.60m	0.90
15	Firebush	0.30m	0.60
16	Yellow elder	0.60m	0.60
17	Acalypha marble pink	0.30m	0.50
18	Pampass grass	0.60m	0.90
19	Dianella grass	0.30m	0.40
20	Myenia erecta	0.30m	0.60
21	Cape honeysuckle	0.30m	0.60
22	Golden thryallis	0.40m	0.60
23	Lemonia spectabilis	0.30m	0.60

### 47. Energy

<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	22.17 KW
	<b>DG set as Power back-up during construction phase</b>	50KVA
	<b>During Operation phase (Connected load):</b>	1265KW
	<b>During Operation phase (Demand load):</b>	859 KVA
	<b>Transformer:</b>	1 nos 315 KVA + 1nos 630 KVA
	<b>DG set as Power back-up during operation phase:</b>	1 Nos 225 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 Water Heater, 21525 LPD for 300 bright sun day in year= 247844 UNITS (Kwh) saving per year. ENERGY SAVING=49%  
Annual energy saving by using led Fitting & Timers= 54%

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

Serial Number	Energy Conservation Measures	Saving %
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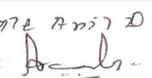
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*Thakur*  
**Joy S. Thakur (Secretary SEAC-III)**

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1	Solar water heating, LED lights, energy efficient equipments, PV solar power	20%					
<b>50.Details of pollution control Systems</b>							
<b>Source</b>	<b>Existing pollution control system</b>	<b>Proposed to be installed</b>					
Not applicable	Not applicable	Not applicable					
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	36.25Lacs					
	<b>O &amp; M cost:</b>	3.26Lacs					
<b>51.Environmental Management plan Budgetary Allocation</b>							
<b>a) Construction phase (with Break-up):</b>							
<b>Serial Number</b>	<b>Attributes</b>	<b>Parameter</b>	<b>Total Cost per annum (Rs. In Lacs)</b>				
1	Water	Dust Suppression	0.7				
2	Site Sanitation, Health Check Up & Safety	Health & Safety	1.0				
3	Environmental Monitoring	Air, Water, Noise Soil	0.4				
<b>b) Operation Phase (with Break-up):</b>							
<b>Serial Number</b>	<b>Component</b>	<b>Description</b>	<b>Capital cost Rs. In Lacs</b>	<b>Operational and Maintenance cost (Rs. in Lacs/yr)</b>			
1	Air, water, Noise, Soil	Post Project Environment Monitoring	0.0	0.125			
2	Water	Rainwater Harvesting	10.50	0.4			
3	Wastewater	Sewage Treatment Plant	61.94	10.89			
4	Municipal Solid waste	Solid waste Management	14.75	3.078			
5	Plantation	Landscaping	7.17	0.83			
6	Energy	Energy Savings	36.25	3.26			
<b>51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)</b>							
<b>Description</b>	<b>Status</b>	<b>Location</b>	<b>Storage Capacity in MT</b>	<b>Maximum Quantity of Storage at any point of time in MT</b>	<b>Consumption / Month in MT</b>	<b>Source of Supply</b>	<b>Means of transportation</b>
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>52.Any Other Information</b>							
No Information Available							
<b>53.Traffic Management</b>							

 <b>Joy S.Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 93 Meeting Date: September 5, 2019</b>	<b>Page 71 of 95</b>	<b>Name: K. Anil Kale</b>  <b>Shri. Anil Kale (Chairman SEAC-III)</b>
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	Nos. of the junction to the main road & design of confluence:	2
Parking details:	Number and area of basement:	No.1- 2120.23 sq.m.
	Number and area of podia:	NA
	Total Parking area:	4929.80 Sqm, ( For Cycle 602 Nos X 1.40 = 842.80sqm)
	Area per car:	12.5 Sqm
	Area per car:	12.5 Sqm
	Number of 2-Wheelers as approved by competent authority:	654 Nos ( Covered )
	Number of 4-Wheelers as approved by competent authority:	170 Nos ( Covered )
	Public Transport:	Available near to site
	Width of all Internal roads (m):	6.00m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NO
	Category as per schedule of EIA Notification sheet	B2
	Court cases pending if any	NO
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

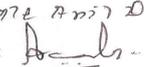
## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	Satisfactory.
Water Budget	Satisfactory.
Waste Water Treatment	Satisfactory.
Drainage pattern of the project	Satisfactory.

  
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<b>Ground water parameters</b>	Satisfactory.
<b>Solid Waste Management</b>	Satisfactory.
<b>Air Quality &amp; Noise Level issues</b>	Satisfactory.
<b>Energy Management</b>	Satisfactory.
<b>Traffic circulation system and risk assessment</b>	Satisfactory.
<b>Landscape Plan</b>	Satisfactory.
<b>Disaster management system and risk assessment</b>	Satisfactory.
<b>Socioeconomic impact assessment</b>	Satisfactory.
<b>Environmental Management Plan</b>	Satisfactory.
<b>Any other issues related to environmental sustainability</b>	Satisfactory.

### Brief information of the project by SEAC

PP has submitted his application for prior Environmental clearance for total plot area of 6717m<sup>2</sup>, FSI area of 12605.21m<sup>2</sup>, Non FSI area of 13250.42m<sup>2</sup> and total BUA of 25855.63m<sup>2</sup>.

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

### DECISION OF SEAC

*PP has satisfactorily complied with the points raised in 87<sup>th</sup> meeting of SEAC-3.*

*SEAC decided to **recommend** the proposal for prior environmental Clearance.*

**Specific Conditions by SEAC:**

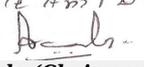
### FINAL RECOMMENDATION

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

*Joy S. Thakur*  
  
**Joy S. Thakur (Secretary SEAC-III)**

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**Name:** *Kale Anil D.*  
**Signature:**   
**Shri. Anil Kale (Chairman SEAC-III)**

### 93rd SEAC-3 Day 03

SEAC Meeting number: 93 Meeting Date September 5, 2019

**Subject:** Environment Clearance for Proposed Project by M/s Vardhaman Associates

**Is a Violation Case:** No

1.Name of Project	Vardhaman Moonstone
2.Type of institution	Private
3.Name of Project Proponent	Mr. Prakash Chhajed
4.Name of Consultant	M/s JV Analytical Services
5.Type of project	Residential & Commercial Project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	S. No. 99(P), Opp. JSPM College,
9.Taluka	Mulshi
10.Village	Tathawade
Correspondence Name:	Mr. Lalitkumar Chhajed
Room Number:	-
Floor:	-
Building Name:	Vardhaman Bhumi,
Road/Street Name:	-
Locality:	Vijay Nagar, Kalewadi
City:	Pune
11.Whether in Corporation / Municipal / other area	Pimpri-Chinchwad Municipal Corporation (PCMC)
12.IOD/IOA/Concession/Plan Approval Number	In Process
	<b>IOD/IOA/Concession/Plan Approval Number:</b> Sanctioned No. B.P./Tathwade/54/18
	<b>Approved Built-up Area:</b> 13903.60
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Applicable (MHADA Area : 1931.26 m2)
15.Total Plot Area (sq. m.)	11976.81 m2
16.Deductions	2343.05 m2
17.Net Plot area	9633.76 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 19132.39 m2
	b) Non FSI area (sq. m.): 21739.48 m2
	c) Total BUA area (sq. m.): 40871.87
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 4249.19 m2
	Approved Non FSI area (sq. m.): 9654.41 m2
	Date of Approval: 31-10-2018
19.Total ground coverage (m2)	2926.05 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	24.43 % of total plot area (11976.81 m2) , 30.37 % of net plot area (9633.76 m2)
21.Estimated cost of the project	1010000000

### 22.Number of buildings & its configuration

  
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Name: K. Anil D.  
Signature:   
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SEAC-III)

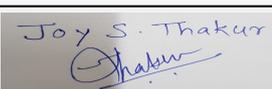
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Wing - A	2P+12	42.00 m
2	Wing - B	2P+12	42.00 m
3	Wing - C	2P+12	42.00 m
4	MHADA	2P+12	42.00 m
5	Commercial Wing	BP+G+4	18.25 m

<b>23.Number of tenants and shops</b>	Total Tenements - 263 Nos. Shops - 54 Nos. Offices -83 Nos.
<b>24.Number of expected residents / users</b>	Residential Users: 1315 Nos. Commercial Users:1493 Nos. Total Users: 2808 Nos.
<b>25.Tenant density per hectare</b>	219.59 /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>	12m wide DP road, 60 m wide Expressway
<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>	NA
<b>30.Details of the demolition with disposal (If applicable)</b>	NA

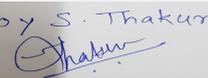
### 31.Production Details

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

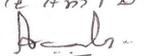
 <b>Joy S.Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 93 Meeting Date: September 5, 2019</b>	<b>Page 75 of 95</b>	<b>Name: K. Anil Kale</b>  <b>Signature: Shri. Anil Kale (Chairman SEAC-III)</b>
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Dry season:	Source of water	Pimpri Chinchwad Municipal Corporation (PCMC)							
	Fresh water (CMD):	260.72 m3/day (One Time)							
	Recycled water - Flushing (CMD):	96.51 m3/day							
	Recycled water - Gardening (CMD):	11.00 m3/day							
	Swimming pool make up (Cum):	NA							
	Total Water Requirement (CMD) :	153.21 m3/day							
	Fire fighting - Underground water tank(CMD):	250.00 m3							
	Fire fighting - Overhead water tank(CMD):	100 m3							
	Excess treated water	117.23 m3/day							
Wet season:	Source of water	Pimpri Chinchwad Municipal Corporation (PCMC)							
	Fresh water (CMD):	249.72 m3/day (One Time)							
	Recycled water - Flushing (CMD):	96.51 m3/day							
	Recycled water - Gardening (CMD):	0.00 m3/day							
	Swimming pool make up (Cum):	NA							
	Total Water Requirement (CMD) :	153.21 m3/day							
	Fire fighting - Underground water tank(CMD):	250.00 m3							
	Fire fighting - Overhead water tank(CMD):	100 m3							
	Excess treated water	128.23 m3/day							
Details of Swimming pool (If any)	NA								
<b>33.Details of Total water consumed</b>									
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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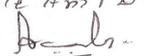
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**Signature: Shri. Anil Kale (Chairman SEAC-III)**

<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	5 m - 8 m BGL
	<b>Size and no of RWH tank(s) and Quantity:</b>	NA
	<b>Location of the RWH tank(s):</b>	NA
	<b>Quantity of recharge pits:</b>	05 Nos.
	<b>Size of recharge pits :</b>	3.5 m x 2.5 m x 3.0 m
	<b>Budgetary allocation (Capital cost) :</b>	Rs. 12.50 Lakh
	<b>Budgetary allocation (O &amp; M cost) :</b>	Rs. 0.30 Lakh/Year
	<b>Details of UGT tanks if any :</b>	Domestic water tank Capacity: 244.82 m3 Flushing water tank Capacity: 161.25 m3 Fire water tank Capacity: 250 m3
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	-
	<b>Quantity of storm water:</b>	5097.13 m3/year
	<b>Size of SWD:</b>	600 mm
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	224.74 m3/day
	<b>STP technology:</b>	MMBR
	<b>Capacity of STP (CMD):</b>	230 m3/day
	<b>Location &amp; area of the STP:</b>	130 m2
	<b>Budgetary allocation (Capital cost):</b>	Rs. 64.00 Lakh
	<b>Budgetary allocation (O &amp; M cost):</b>	Rs. 14.20 Lakh/Year
<b>36.Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	25 Kg/day
	<b>Disposal of the construction waste debris:</b>	Use for Leveling.
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	487 kg/day
	<b>Wet waste:</b>	544 kg/day
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	34.2 kg/day
	<b>Others if any:</b>	E-waste - 2151 kg/year

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<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	SWaCH
	<b>Wet waste:</b>	Organic Waste Converter
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	Used as Manure after treatment in OWC.
	<b>Others if any:</b>	SWaCH
<b>Area requirement:</b>	<b>Location(s):</b>	-
	<b>Area for the storage of waste &amp; other material:</b>	76.00 m <sup>2</sup>
	<b>Area for machinery:</b>	Included in other area
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs. 16.75 Lakh
	<b>O &amp; M cost:</b>	Rs. 3.70 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

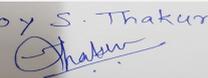
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable						

### 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 - 125 KVA	HSD- 36 lit/hr.	S-1	5.6 m	To be Provided	To be Provided
2	DG Set - 40 KVA	HSD- 6.5 lit/hr.	S-2	4.0 m	To be Provided	To be Provided
3	DG Set - 100 KVA	HSD- 22 lit/hr.	S-3	5.0 m	To be Provided	To be Provided

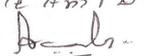
### 40. Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total

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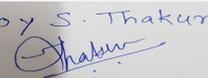
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1	HSD	Not applicable	64.5 lit/hr. (36+6.5+22)	64.5 lit/hr.
41.Source of Fuel		Bharat Petroleum Corporation Limited or Hindustan Petroleum		
42.Mode of Transportation of fuel to site		By Roadway		

<b>43.Green Belt Development</b>	<b>Total RG area :</b>	1070.98 m2
	<b>No of trees to be cut :</b>	-
	<b>Number of trees to be planted :</b>	137 Nos.
	<b>List of proposed native trees :</b>	-
	<b>Timeline for completion of plantation :</b>	Mid of Construction

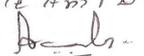
#### 44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Mimusops elengi	Bakul	06	Shady tree. Small white fragrant flower.
2	Neolamarckia cadamba	Kadamba	06	Fruit bearing tree attracts birds.
3	Pongamia glabra	Indian beech	06	Good medicinal use.
4	Bauhinia purpuria	Rakta Kanchana	06	Fragrant flowers or leaves plant for pooja evergreen tree
5	Michellia champaka	Sonchafa	06	Flower butterfly host plant medium size evergreen tree, fragrant yellow.
6	Lagerstromia flosregina	Jarul	06	Creates shade attracts birds/butterflies/bees. Good for screening.
7	Albizia lebbeck	Shirish	06	Fragrant flowers or leaves attracts birds/butterflies/bees. Drought tolerant.
8	Mangifera indica	Mango	06	Tall evergreen tree with fruit bearing.
9	Artocarpus heterophyllus	Jackfruit	06	Tall evergreen tree with fruit bearing.
10	Syzygium cumini	Jamun	06	Tall evergreen tree with fruit bearing.
11	Saraca indica	Sita Ashok	06	Fragrant flowers or leaves attracts birds/butterflies/bees. Deep-green, shiny foliage.
12	Butea monosherma	Palas	06	Fragrant flowers or leaves flowers covering the entire crown plant for pooja.
13	Azadirachta indica	Neem	06	Plant for pooja/evergreen fragrant flowers or leaves. Quick growing/ insect repellent.
14	Khaya grandis	Khaya	07	Evergreen tree.

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15	Cassia fistula	Golden shower	06	Auspicious attracts birds/bees/butterflies. Hanging or weeping growth.
16	Caryato urens	Fish tail palms	07	Tall evergreen tree.
17	Bombax seiba	Cotton tree	04	Shady tree, Small white fragrant flower.
18	Poltalthia longifolia	Ashok	07	Ornamental tree
19	Kailashpati couroupita	Kailashpati	07	Evergreen tree with fruit bearing.
20	Putranjiva roxburghi	Putranjiva	03	Evergreen tree with medicinal use.
21	Nyctanthes arbor-tristis	Parijat	03	Small flowering tree
22	Pulmeria alba	Chapha	03	Evergreen tree with fragrant flowers.
23	Areca catechu	Supari palms	12	Ornamental nutty tree

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

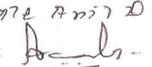
**46.Number and list of shrubs and bushes species to be planted in the podium RG:**

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

**47.Energy**

<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	30 KW
	<b>DG set as Power back-up during construction phase</b>	01 No. - 40 KVA
	<b>During Operation phase (Connected load):</b>	2103 KW
	<b>During Operation phase (Demand load):</b>	1160 KW
	<b>Transformer:</b>	02 Nos. x 630 KVA
	<b>DG set as Power back-up during operation phase:</b>	01No.-125 KVA (For Residential wing -A, B & C) , 01No.- 40 KVA (For MHADA), 01No.- 100 KVA (For Commercial)
	<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:**

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- Solar Water Heating Systems Will Be Done For Bathrooms.
- Solar lights will be provided for common amenities like Street lighting & Garden lighting.
- LED based lighting will be done in the common areas, landscape areas, signage's, Entry gates and boundary compound walls etc.
- Auto Timer Switches will be provided for Street lights, Garden lights, Parking & staircase Lights & Other Common Area Lights, for saving electrical energy.
- Water Level Controllers with Timers will be used for Water Pumps.
- To create awareness to end consumer or flat owner, for using energy efficient light fittings like LED Lights.

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

Serial Number	Energy Conservation Measures	Saving %
1	LED Lamp Fitting for common areas i.e B/g, Parking, Staircase, Passage, Terrace Floor	15092.40 KWH/Annum
2	Up Lights - Light Fitting for Landscape Area.	992.80 KWH/Annum
3	Bollard Lighter-light fitting for landscape area	817.60 KWH/Annum
4	Solar Street Light Fitting - Pole Light on Road Side.	3814.25 KWH/Annum
5	Street Light on the Bldg.	4336.20 KWH/Annum
6	Energy Saving by Solar Hot Water System.	394500 KWH/Annum
7	Solar Power System	835200 KWH/Annum

#### 50.Details of pollution control Systems

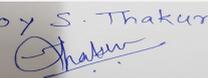
Source	Existing pollution control system	Proposed to be installed
Air	-	Green Belt will be provided.
Water	-	STP will be installed & excess treated water used for flushing & gardening.
Noise	-	Noise monitoring will be done in once a fortnight. Trafficmanagementplantobeprepared.Acoustically enclosedDGsetwillbebrought&installed.
Solid Waste	-	Wet waste will be treated in OWC. STP sludge will be used as manure after treatment in OWC dry waste will be given to SWACH.

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs. 50.30 Lakh
	<b>O &amp; M cost:</b>	Rs. 1.01 Lakh/Year

#### 51.Environmental Management plan Budgetary Allocation

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

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water for Dust Suppression, Air&NoiseMonitoring	0.50
2	Water Environment	Tanker Water for Construction, Water Monitoring	0.50
3	Land Environment	Site Sanitation- Mobile toilets	0.50

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4	Socio Economic	Disinfection- Pest Control, First Aid Facilities, Health Check Up, Creches for Children, Food for children, Personal Protective Equipment	1.00
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**b) Operation Phase (with Break-up):**

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP	230 KLD	64.00 Lakh	14.20 Lakh/year
2	RWH	-	12.50 Lakh	0.30 Lakh/year
3	MSW	OWC	16.75 Lakh	3.70 Lakh/year
4	Energy System	-	50.30 Lakh	1.01 Lakh/year
5	Landscaping	-	20.00 Lakh	1.80 Lakh/year
6	Safety Equipment's	-	10.00 Lakh	2.00 Lakh/year
7	Post EC Monitoring	-	-	2.50 Lakh/year
8	Dry Waste Management	-	-	1.57 Lakh/year

**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:	-
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Parking details:	Number and area of basement:	1447.36 m2
	Number and area of podia:	1707.05 m2
	Total Parking area:	10880.40 m2
	Area per car:	44.40 m2
	Area per car:	44.40 m2
	Number of 2-Wheelers as approved by competent authority:	816 Nos.
	Number of 4-Wheelers as approved by competent authority:	245 Nos.
	Public Transport:	-
	Width of all Internal roads (m):	7.5 m
	CRZ/ RRZ clearance obtain, if any:	No
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8(a)
	Court cases pending if any	No
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

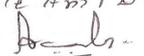
## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

  
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<b>Air Quality &amp; Noise Level issues</b>	Satisfactory.
<b>Energy Management</b>	Satisfactory.
<b>Traffic circulation system and risk assessment</b>	Satisfactory.
<b>Landscape Plan</b>	Satisfactory.
<b>Disaster management system and risk assessment</b>	Satisfactory.
<b>Socioeconomic impact assessment</b>	Satisfactory.
<b>Environmental Management Plan</b>	Satisfactory.
<b>Any other issues related to environmental sustainability</b>	-

### Brief information of the project by SEAC

PP has submitted his application for prior Environmental clearance for total plot area of 11976.81 m<sup>2</sup>, FSI area of 19132.39 m<sup>2</sup>, Non FSI area of 21739.48 m<sup>2</sup> and total BUA of 40871.87 m<sup>2</sup>.

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

### DECISION OF SEAC

#### During discussion following points emerged:

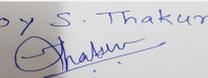
1. PP has proposed to lay storm water drain on 12 m wide Municipal road upto final disposal point. PP to obtain NOC for the same from concerned authority.

SEAC decided to **recommend** the proposal for prior environmental Clearance, subject to PP complying with the above conditions.

#### Specific Conditions by SEAC:

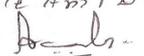
### FINAL RECOMMENDATION

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

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 Joy S. Thakur (Secretary  
 SEAC-III)

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Name: K. Anil Kale  
 Signature:   
 Shri. Anil Kale (Chairman  
 SEAC-III)

**93rd SEAC-3 Day 03**

**SEAC Meeting number: 93 Meeting Date September 5, 2019**

**Subject:** Environment Clearance for Application for Environmental clearance for expansion of of residential cum commercial construction project

**Is a Violation Case:** No

1.Name of Project	Three Jewel
2.Type of institution	Private
3.Name of Project Proponent	Jairaj Developers Unit 11
4.Name of Consultant	Not appointed Yet
5.Type of project	Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes environmental clearance obtained earlier vide no. SEAC 2014/CR-127/TC-3 dated 1/4/2015
8.Location of the project	S. No. 43/1B/44/45/A plot No. 2
9.Taluka	Haveli
10.Village	Kondhwa
Correspondence Name:	Jairaj Developers Unit 11
Room Number:	0
Floor:	2
Building Name:	City point
Road/Street Name:	Dhole Patil Road
Locality:	Camp
City:	Pune
11.Whether in Corporation / Municipal / other area	PMC
12.IOD/IOA/Concession/Plan Approval Number	Obtained
	<b>IOD/IOA/Concession/Plan Approval Number:</b> 0046/18
	<b>Approved Built-up Area:</b> 167900
13.Note on the initiated work (If applicable)	Phase I is complete. Phase II under construction
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	56300
16.Deductions	6992
17.Net Plot area	49308
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 84403.12
	b) Non FSI area (sq. m.): 83497.30
	c) Total BUA area (sq. m.): 167900
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 84403.12
	Approved Non FSI area (sq. m.): 83497.30
	Date of Approval: 05-04-2018
19.Total ground coverage (m2)	8579.04 sqm
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	17.37 %
21.Estimated cost of the project	565341291

**22.Number of buildings & its configuration**

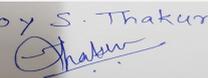
 <b>Joy S.Thakur (Secretary SEAC-III)</b>	<p align="center"><b>SEAC Meeting No: 93 Meeting Date: September 5, 2019</b></p>	<p align="center"><b>Page 85 of 95</b></p>	<p align="center"><b>Name: K. Anil Kale</b>  <b>Signature: [Signature]</b>  <b>Shri. Anil Kale (Chairman SEAC-III)</b></p>
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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Wing A	P +P+14	46.40
2	Wing B	P +P+14	46.40
3	Wing C	P +P+14	46.40
4	Wing D	P+14	43.50
5	Wing E	P+14	43.50
6	Wing F	P+14	43.50
7	Wing G	P+14	43.50
8	Wing H	P+14	43.50
9	Wing I	P +P+15	49.30
10	Wing J	P +P+16	52.80
11	Wing K	P+16	49.63
12	Wing L	P +P+16	52.80
13	Wing M	P+16	49.63
14	Wing N	P +15	46.73
15	Wing O	P +15	46.73
16	Shopping Building	G + 0	4.35
17	Club House	G +1	7.90
18	Multipurpose Hall - Upashray	G +1	7.90

23.Number of tenants and shops	1572 tenements and shops
24.Number of expected residents / users	Residential 7860 , commercial: 322
25.Tenant density per hectare	250 ha as per DCR
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	24 m and 18 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	Wing A to H, club house and shops are completed
30.Details of the demolition with disposal (If applicable)	NA

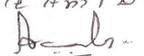
### 31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
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**Name: K ०१२ ७२११ २०**  
**Signature: **  
**Shri. Anil Kale (Chairman SEAC-III)**

1	Not applicable	Not applicable	Not applicable	Not applicable
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### 32.Total Water Requirement

<b>Dry season:</b>	<b>Source of water</b>	PMC
	<b>Fresh water (CMD):</b>	715 Kl
	<b>Recycled water - Flushing (CMD):</b>	360 Kl
	<b>Recycled water - Gardening (CMD):</b>	42 Kl
	<b>Swimming pool make up (Cum):</b>	17 KL
	<b>Total Water Requirement (CMD) :</b>	1117 Kl
	<b>Fire fighting - Underground water tank(CMD):</b>	550 Kl for Phase I and 700 KL for Phase II
	<b>Fire fighting - Overhead water tank(CMD):</b>	20,000 lit per building
	<b>Excess treated water</b>	534
<b>Wet season:</b>	<b>Source of water</b>	PMC
	<b>Fresh water (CMD):</b>	715 Kl
	<b>Recycled water - Flushing (CMD):</b>	36 KL
	<b>Recycled water - Gardening (CMD):</b>	Nil
	<b>Swimming pool make up (Cum):</b>	17KL
	<b>Total Water Requirement (CMD) :</b>	1075 Kl
	<b>Fire fighting - Underground water tank(CMD):</b>	550 Kl for Phase I and 700 KL for Phase II
	<b>Fire fighting - Overhead water tank(CMD):</b>	20,000 lit per building
	<b>Excess treated water</b>	576
<b>Details of Swimming pool (If any)</b>	Swimming pool area is 270 Sq. mtr if depth of 1.2 mtr considered Vol 324 Cum Make up water 16.20 Cum  Baby pool area is 44 Sq. mtr if depth of 0.75 mtr considered Vol 26 Cum Make up water 1.32 Cum Total 17.52 Cum	

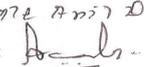
### 33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
<b>Water Requirement</b>									

  
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Domestic	365	350	715	36	35	71	329	315	644
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<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	9 m
	<b>Size and no of RWH tank(s) and Quantity:</b>	NA
	<b>Location of the RWH tank(s):</b>	NA
	<b>Quantity of recharge pits:</b>	10
	<b>Size of recharge pits :</b>	2 m X 2 m X 2 M
	<b>Budgetary allocation (Capital cost) :</b>	25 lakhs
	<b>Budgetary allocation (O &amp; M cost) :</b>	1.75 lakhs p.a.
<b>Details of UGT tanks if any :</b>	UGT Compartment Sr. no. Capa. In Lit. 1.5 Day capacity UGR-1 Phase I Residential + commercial Bldg 1 Drinking 101475 101500 2 Domestic (Res.) 370100 3 Domestic (Comm.) 4569 4 Raw (Common for Res.+ Comm.) 124890 5 Fire Fighting (Common for Res.+ Comm.) 550000  UGR-2 Phase II  1 Drinking 76815 2 Domestic (Res.) 280549 3 Raw ( Res.) 93516 4 Fire Fighting Res.) 700000 Total 1150880	

<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	As per contour
	<b>Quantity of storm water:</b>	36.98 m3/min
	<b>Size of SWD:</b>	900 mm

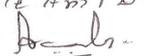
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	1004
	<b>STP technology:</b>	FAB
	<b>Capacity of STP (CMD):</b>	1043 KLD
	<b>Location &amp; area of the STP:</b>	As per layout
	<b>Budgetary allocation (Capital cost):</b>	217 lakhs
	<b>Budgetary allocation (O &amp; M cost):</b>	3.80 /- lakhs p.a

### 36.Solid waste Management

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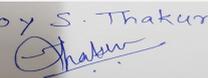
Name: K. Anil Kale  
  
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<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	1 %
	<b>Disposal of the construction waste debris:</b>	As filling material on same site
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	1620 kg/day
	<b>Wet waste:</b>	2390 kg/day
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	100 kg/day
	<b>Others if any:</b>	E waste: 4252 kg/year
<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Through authorized vendor
	<b>Wet waste:</b>	mechanical composter
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	used as manure after OWC treatment
	<b>Others if any:</b>	E - waste: Through authorized vendor
<b>Area requirement:</b>	<b>Location(s):</b>	As per layout
	<b>Area for the storage of waste &amp; other material:</b>	31.40 sqm
	<b>Area for machinery:</b>	68.25 sqm
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	34/- lakhs
	<b>O &amp; M cost:</b>	10 lakhs p.a.

### 37. Effluent Characteristics

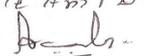
Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	Not applicable	7 - 7.5	6.5 - 7.5	Not applicable
2	Total Suspended solids	mg/l	200 - 300	<10	Not to exceed 50 mg/l
3	Total Oil & Grease	mg/l	10	<5	Not applicable
4	BOD @3 days 27 degree C	mg/l	200 - 300	<10	Not to exceed 10 mg/l
5	COD	mg/l	350 - 400	<50	Not to exceed 100 mg/l
6	TDS	mg/l	---	<1000	Not applicable
7	Total Nitrogen	mg/l	40 - 50	<10	Not applicable
8	Ammonical Nitrogen	mg/l	---	<1	Not applicable
9	Phosphates	mg/l	5 - 7	<2	Not applicable
10	Phosphates	mg/l	5 - 7	<2	Not applicable

Amount of effluent generation (CMD):	Not applicable
Capacity of the ETP:	Not applicable
Amount of treated effluent recycled :	Not applicable

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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						

### 39.Stacks emission Details

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

### 40.Details of Fuel to be used

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

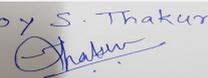
41.Source of Fuel Not applicable

42.Mode of Transportation of fuel to site Not applicable

<b>43.Green Belt Development</b>	<b>Total RG area :</b>	6992 sqm
	<b>No of trees to be cut :</b>	NA
	<b>Number of trees to be planted :</b>	705
	<b>List of proposed native trees :</b>	All are native plants
	<b>Timeline for completion of plantation :</b>	one year

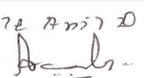
### 44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Syzygium cumini	Jam/Jambhul	17	Fruit bearing tree,attracts birds
2	Anthocephallus kadamba	Kadamba	33	Medicinal value, control soil erosion, Used in preparartion of perfumes
3	Arthocapus heterophyllus	Phanus	13	Fruit bearing tree
4	Cassia fistula	Bahava	45	Medicinal value- is widely used tonic that helps in reducing fever., Drought tolerant species, Very ornamental, Well flowering plant, Honey bee attracting species, Host plant for Butterfly
5	Cartica papaya	Papaya	17	Fruit Bearing Tree

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6	Lagerstroemia flosregineae	Tamhan	73	Medicinal use in diabetes and kidney diseases, Very ornamental, Well flowering plant, Honey bee attracting species, Host plant for Butterfly
7	Annona reticulata	Ramphal	18	Fruit Bearing Tree
8	Murraya paniculata	Kunti	23	Medicinal use - It is valued especially for its essential oil and used in medicine as an analgesic.
9	Michelia champka	Son chafa	43	Medicinal value- Its flowers and stem bark are useful in diabetes, quick wound healing, cardiac disorders, gout, dysuria and more., Fragrant flowers, Butterfly larvae host plant, Bird attracting species, Fast growing
10	Khaya grandis	Khaya	32	Fruit bearing Tree, shady, deciduous
11	Pongamia pinnata	Karanj	25	Medicinal plant Drought tolerant control soil erosion, Medicinal use - Today the oil is used as a liniment for rheumatism. Leaves are active against Micrococcus; their juice is used for colds, coughs, diarrhea, dyspepsia, flatulence, gonorrhoea, and leprosy. Roots are used for cleaning gums, teeth, and ulcers.
12	Saraca asoka	Sita ashoka	34	Important Ayurvedic plant
13	Magnifera indica	Mango	17	Fruit bearing tree, attracts birds
14	Acrus sapota	Chikoo	16	Fruit bearing tree
15	Mutingia calabura	Singapore Cherry	25	Fast growing, medium size, fruit bearing ,attracts birds
16	Aegel mameos	Bel	15	It is larval host for butterflies
17	Limonia acidissima	Kawath	15	Have medicinal properties
18	Ailanthus excelsa	Maharukh	27	Deciduous quick growing shady
19	Supari Plam	Supari	16	Fruit bearing tree
20	Albezzia lebeck	Shirish	27	Quick growing hardy good soil binder, drought tolerant
21	Foxtail Plam	Plam	38	Ornamentation plant
22	Cordia	Cordia	29	Fragrant flowers

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

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

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

**47.Energy**

<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	45 KW
	<b>DG set as Power back-up during construction phase</b>	62.5 KVA
	<b>During Operation phase (Connected load):</b>	? Phase -I - 5416 KW, 6770 KVA, ? Phase -II - 3721 KW, 4651 KVA,
	<b>During Operation phase (Demand load):</b>	? Phase -I - 3791 KW, 4738 KVA, ? Phase -II - 1747 KW, 2184 KVA
	<b>Transformer:</b>	? Phase -I - 630 KVA x 7 Nos. + 315 KVA x 1 No. ? Phase -II - 630 KVA x 3 Nos. + 315 KVA x 1 No.
	<b>DG set as Power back-up during operation phase:</b>	? Phase -I - 250 KVA x 2 No. + 125 KVA x 1 No. ? Phase -II - 250 KVA x 1 No.
	<b>Fuel used:</b>	Diesel
	<b>Details of high tension line passing through the plot if any:</b>	NA

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

- ? Use of LED in Parking area, lift-lobby and stair-case.
- ? Using Solar system in Common Area Lighting & Street/ Landscape lights with LED lamps.
- ? V3F drive is proposed for all lifts.
- ? As per MSEDCL requirements, it is recommended to use low loss Transformer. Losses for Transformer shall, in principal, comply with ECBC norms.
- ? Recommend to attain power factor of the installation near unity.
- ? Independent Energy meters for all pollution control equipments.

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

Serial Number	Energy Conservation Measures	Saving %
1	Solar Water heater	1825200 KWH/YR
2	Common lighting LED	39.51%

#### 50. Details of pollution control Systems

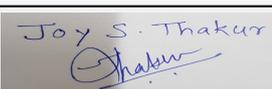
Source	Existing pollution control system	Proposed to be installed
Water	STP	STP
Solid waste	OWC	OWC
Noise due to DG set	acuostic enclosure	Acuostic enclosure

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	46.80 lakhs
	<b>O &amp; M cost:</b>	2.32 /- lakhs p.a.

### 51. Environmental Management plan Budgetary Allocation

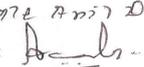
#### a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
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1	Erosion control	Dust suppression measures	2.0
2	Site safety	Net PEE for labours, signs and boards etc.	3.0
3	Site sanitation	mobile toilets for labour	1.5
4	Disinfection & health check up	medical camp, pest control for labour camp	2.0
5	Environmental monitoring	Air, noise monitoring and water and soil analysis	1.0

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

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP	Piping cost upto final disposal of excess treated water	217	3.73
2	Rain water harvesting	Internal piping, pits with bore	25.00	1.75
3	Solid waste management	OWC machine segregation of waste	34	10
4	Strom water management	Internal piping and up to final disposal	25	10
5	Landscape	Tree plantation, lawn maintainace	50.90	10.00
6	Energy conservation measures	Solar water heater,	46.80	2.32
7	Energy conservation measures	Solar water heater,	46.80	2.32
8	Safety awareness & training	Fire fighting awareness and training	9.0	0

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

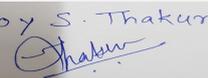
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

**52.Any Other Information**

No Information Available

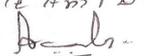
**53.Traffic Management**

Nos. of the junction to the main road & design of confluence:	1
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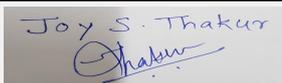
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Parking details:	Number and area of basement:	Nil
	Number and area of podia:	18570.54 sqm
	Total Parking area:	58652 sqm
	Area per car:	30 sqm
	Area per car:	30 sqm
	Number of 2-Wheelers as approved by competent authority:	3207
	Number of 4-Wheelers as approved by competent authority:	1593
	Public Transport:	NA
	Width of all Internal roads (m):	NA
	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	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

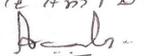
## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

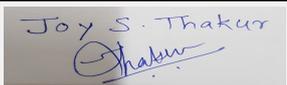
  
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Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-
<b>Brief information of the project by SEAC</b>	
PP remained <b>absent</b> . The proposal was deferred.	
<b>DECISION OF SEAC</b>	
PP remained <b>absent</b> . The proposal was deferred.	
Specific Conditions by SEAC:	
<b>FINAL RECOMMENDATION</b>	
Kindly find SEIAA decision above.	

 <p>Joy S. Thakur (Secretary SEAC-III)</p>	<p><b>SEAC Meeting No: 93 Meeting Date: September 5, 2019</b></p>	<p>Page 95 of 95</p>	<p>Name: K 072 Anil D. Signature:  Shri. Anil Kale (Chairman SEAC-III)</p>
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