

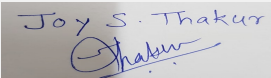
## 72 nd Meeting of SEAC-3 (Day-3)

SEAC Meeting number: 72 Meeting Date October 2, 2018

**Subject:** Environment Clearance for Proposed Construction of 568 housing units with 4 Convenient Shops for Economically Weaker Section Group Under Pradhan Mantri Awas Yojana on S.NO. 136/1 (P), C.T.S. No. 4911 (P), Reservation (HDH) No.283, Village- Akurdi, District - Pune by M/s Pimpri Chinchwad Municipal Corporation.

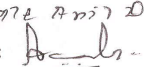
**Is a Violation Case:** No

<b>1.Name of Project</b>	Proposed Construction of 568 housing units with 4 Convenient Shops for Economically Weaker Section Group Under Pradhan Mantri Awas Yojana on S.NO. 136/1 (P), C.T.S. No. 4911 (P), Reservation (HDH) No.283, Village- Akurdi, District - Pune by M/s Pimpri Chinchwad Municipal Corporation.
<b>2.Type of institution</b>	Semi Government
<b>3.Name of Project Proponent</b>	Pimpri-Chinchwad Municipal Corporation
<b>4.Name of Consultant</b>	Green Circle Inc.
<b>5.Type of project</b>	Affordable Housing project under Pradhan Mantri Awas Yojana for Economical Weaker Section.
<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. 136/1 (P), C.S.T. No. 4911 (P), Reservation No.283, Village- Akurdi, District - Pune
<b>9.Taluka</b>	Mawal
<b>10.Village</b>	Akurdi
<b>Correspondence Name:</b>	Mr. Pradeep Ramchandra Pujari : Executive engineer, BSUP Department
<b>Room Number:</b>	Engineering Department
<b>Floor:</b>	1st Floor
<b>Building Name:</b>	Pimpri Chinchwad Municipal Corporation, Pimpri, Pune - 411018
<b>Road/Street Name:</b>	Pimpri, pune -411018
<b>Locality:</b>	Pimpri Chinchwad Municipal Corporation, Pimpri, pune - 411018
<b>City:</b>	Pune
<b>11.Area of the project</b>	Municipal Corporation
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	B.P/ENV/Akurdi/01/2018 Dated 07/06/2017 <b>IOD/IOA/Concession/Plan Approval Number:</b> B.P/ENV/Akurdi/01/2018 Dated 07/06/2017 As per 28 meeting of the central Sanctioning and monitoring committee (CSMC) for Pradhan MantriAwasYojana (Urban) Housing for all dated 26 Dec 2017 vide File No. N-11011/13 /2017-HFA-III-UD ( E.File 9031679) <b>Approved Built-up Area:</b> 29793
<b>13.Note on the initiated work (If applicable)</b>	No Construction work has been started.
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	The scheme is approved under Pradhan Mantri Awas yojna as per 28 meeting of the central Sanctioning and monitoring committee (CSMC).
<b>15.Total Plot Area (sq. m.)</b>	11,132.82 Sq. m
<b>16.Deductions</b>	2,615.85 Sq. m
<b>17.Net Plot area</b>	8,516.97 Sq. m
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> 20,374.23 Sq. m <b>b) Non FSI area (sq. m.):</b> 9,418.95 Sq. m <b>c) Total BUA area (sq. m.):</b> 29793
<b>18 (b).Approved Built up area as per DCR</b>	<b>Approved FSI area (sq. m.):</b> 20,374.23 Sq. m <b>Approved Non FSI area (sq. m.):</b> 9,418.95 Sq. m <b>Date of Approval:</b> 07-06-2018
<b>19.Total ground coverage (m2)</b>	2,156.97 Sq. m

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

SEAC Meeting No: 72 Meeting Date: October 2,  
2018

Page 1 of  
146

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

20. Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	19.37 %
21. Estimated cost of the project	578000000

## 22. Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Tower- A	P + 12	36 m
2	Tower- B	P + 12	36 m
3	Tower- C	P + 12	36 m
4	Tower- D	P + 12	36 m
5	Tower- E	P + 12	36 m
6	Tower- F	P + 12	36 m

23. Number of tenants and shops	No. of Tenants : 568, Shops :4
24. Number of expected residents / users	2866 persons
25. Tenant density per hectare	2574.370
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 (old Pune- Mumbai Highway)
28. Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.00 m
29. Existing structure (s) if any	NA. The land is open reservation land for HDH and now building construction will be done as per approved construction area under Pradhan Mantri Awas Yojana.
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

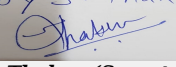
## 32. Total Water Requirement

 <b>Joy S. Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 72 Meeting Date: October 2, 2018</b>	<b>Page 2 of 146</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	PCMC
	Fresh water (CMD):	256 KLD
	Recycled water - Flushing (CMD):	128 KLD
	Recycled water - Gardening (CMD):	6 KLD
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	390 KLD
	Fire fighting - Underground water tank(CMD):	300 KLD
	Fire fighting - Overhead water tank(CMD):	25.0 KLD per Building
	Excess treated water	183 KLD
Wet season:	Source of water	PCMC
	Fresh water (CMD):	256 KLD
	Recycled water - Flushing (CMD):	128 KLD
	Recycled water - Gardening (CMD):	0 KLD
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	384 KLD
	Fire fighting - Underground water tank(CMD):	300 KLD
	Fire fighting - Overhead water tank(CMD):	25.0 KLD per Building
	Excess treated water	189 KLD
Details of Swimming pool (If any)	Not Applicable	

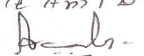
### 33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable	384 KLD	384 KLD	Not applicable	51 KLD	51 KLD	Not applicable	333 KLD	333 KLD
Gardening	Not applicable	6 KLD	6 KLD	Not applicable	6 KLD	6 KLD	Not applicable	0 KLD	0 KLD

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

**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

**Page 3 of 146**

**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 3 m	
	<b>Size and no of RWH tank(s) and Quantity:</b>	2.0 x 2.0 x 3.0 m Deep, Rain water harvesting system will be developed in the form of Rain Water recharge Pits. Rain Water will be collected through RWP. Total 9 Recharge pits are proposed in the project. Total 88% of rain water will be harvested through these recharge pits.	
	<b>Location of the RWH tank(s):</b>	Ground level (UG)	
	<b>Quantity of recharge pits:</b>	9 Nos.	
	<b>Size of recharge pits :</b>	2.0 x 2.0 x 3.0 m Deep	
	<b>Budgetary allocation (Capital cost) :</b>	78.32 Lakhs	
	<b>Budgetary allocation (O &amp; M cost) :</b>	3.91 Lakhs	
	<b>Details of UGT tanks if any :</b>	All UG tanks are proposed at ground level as per requirement of each building. Rain water harvesting system will be developed in the form of Rain Water recharge Pits. Rain Water will be collected through RWP. Total 88 % water will be Harvested. Every tower has Domestic UGT tanks of capacity 66.83 KLD and flushing UGT tanks of capacity 23.50 KLD .	
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	North to East	
	<b>Quantity of storm water:</b>	The Minimum Size of Storm Water Channel is 0.6 x 0.6m deep. Max size of 0.6 x 0.7m deep & drain connected at two locations of project site.	
	<b>Size of SWD:</b>	450 mm X 450 mm	
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	333 KLD	
	<b>STP technology:</b>	RMBR	
	<b>Capacity of STP (CMD):</b>	1 STP of capacity 350 KLD	
	<b>Location &amp; area of the STP:</b>	Ground Level (UG)	
	<b>Budgetary allocation (Capital cost):</b>	119 Lakhs	
	<b>Budgetary allocation (O &amp; M cost):</b>	5.95 Lakhs	
<b>36.Solid waste Management</b>			
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	3235.455 cum of excavated material	
	<b>Disposal of the construction waste debris:</b>	Construction waste debris will be reused at the same site. Excess will be used for filling purpose of our own development sites as much as possible. Rest will be disposed off to authorized sites. Quantity of 2226.56 cum top soil to be preserved which is being utilized for landscaping.	
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	431 Kg /day	
	<b>Wet waste:</b>	996 Kg /day	
	<b>Hazardous waste:</b>	0 Kg/day	
	<b>Biomedical waste (If applicable):</b>	0 Kg/day	
	<b>STP Sludge (Dry sludge):</b>	48 Kg/day	
	<b>Others if any:</b>	NA	
<b>Joy S.Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 72 Meeting Date: October 2, 2018</b>	<b>Page 4 of 146</b>	<b>Shri. Anil Kate (Chairman SEAC-III)</b>

<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Dry garbage will be disposed off through authorized contractors.
	<b>Wet waste:</b>	Wet garbage shall be treated in organic waste converter (OWC) on site and manure so obtained will be used in landscaping.
	<b>Hazardous waste:</b>	Waste oil from D.G. sets will be handed over to authorized recyclers.
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	Dried sludge from STP to be mixed with wet waste and processed in OWC, this will be used as manure for gardening.
	<b>Others if any:</b>	NA
<b>Area requirement:</b>	<b>Location(s):</b>	Ground
	<b>Area for the storage of waste &amp; other material:</b>	70 Sq. m
	<b>Area for machinery:</b>	200 Sq. ft
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	22.5 Lakhs
	<b>O &amp; M cost:</b>	6.6 Lakhs

### 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	6.0-8.0	6.5-9
2	Suspended Solids	mg/lit	400	10	100
3	BOD	mg/lit	350	<10	100
4	COD	mg/lit	600	<50	250
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

### 38. Hazardous Waste Details

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

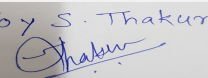
### 39. Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	DG	LDO	1	Height of Building + 3 M	0.15	54 degree celcius

### 40. Details of Fuel to be used

 <b>Joy S. Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 72 Meeting Date: October 2, 2018</b>	<b>Page 5 of 146</b>	<b>Name: K. Anil Kale</b>  <b>Shri. Anil Kale (Chairman SEAC-III)</b>
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Serial Number	Type of Fuel	Existing	Proposed	Total
1	LDO	Not applicable	55 Litres /hr	Not applicable
41.Source of Fuel		LDO		
42.Mode of Transportation of fuel to site		Road		
<b>43.Green Belt Development</b>	<b>Total RG area :</b>	946.33 Sq. m		
	<b>No of trees to be cut :</b>	0 Nos.		
	<b>Number of trees to be planted :</b>	96 Trees of 8cm to 12cm size and 10 different varieties of shrubs will be planted.		
	<b>List of proposed native trees :</b>	Peripheral trees will be retained		
	<b>Timeline for completion of plantation :</b>	3 years		
<b>44.Number and list of trees species to be planted in the ground</b>				
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Ailanthus Excelsa	Maharukh	20	Good for roadside plantation and have medicinal properties
2	Anthocephallus cadamba	Kadamb	15	Good for roadside plantation and provide shade.
3	Saraca indica	Sita ashok	15	Good for roadside plantation and provide shade.
4	Cassia fistula	Bahava	10	Have medicinal properties and larval host for butterflies.
5	Lagerstroemia flos regineae	Tamhan	10	Good as an avenue tree, good for group planting around water gardens and ponds.
6	Azadirachta indica	Neem	15	Good for restoration of dryer parts, good for air purifier and have medicinal properties.
7	Michelia champaca	Son chafa	5	Good for ornamental purpose.
8	Michelia champaca	Son chafa	6	Good for ornamental purpose.
<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	Not applicable	Not applicable	Not applicable	
<b>47.Energy</b>				

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

**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

**Page 6 of 146**

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

<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	170 kW
	<b>DG set as Power back-up during construction phase</b>	1 DG set of 200 kVA
	<b>During Operation phase (Connected load):</b>	3354.26 kW
	<b>During Operation phase (Demand load):</b>	1507.76 kW
	<b>Transformer:</b>	4 No of 630 kVA
	<b>DG set as Power back-up during operation phase:</b>	1 DG of 125 kVA and 1 DG of 250 kVA capacity.
	<b>Fuel used:</b>	Diesel
	<b>Details of high tension line passing through the plot if any:</b>	NA

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

Energy Saving Measures:

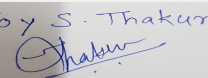
- Road/Landscape area lighting : LED Street Lighting
- Lobby & staircase and Parking area lighting on LED lights/ Solar lights
- Solar Hot Water system to all flats
- T5 lights at parking space.
- Lifts with VFD
- Water Level Controller with Timer for water pumps system to be provided.
- Roofs will be insulated to minimize heat gain with 50 mm expanded polystyrene or equivalent insulation.

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

Serial Number	Energy Conservation Measures	Saving %
1	Road/Landscape : LED Street Lighting	50%
2	Parking Lights : LED	45%
3	Lobby and Staircase :LED Lights	45%
4	Lifts with VFD and Passage (8 People)	30%
5	Lifts with VFD and Service (13 People)	33%
6	Solar Hot Water system	100%
7	Plumbing/ Fire fighting load	30%
8	Total Energy saving	38.61%

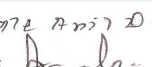
#### 50. Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Water pollution due to domestic sewage	Not applicable	STP
Solid waste	Not applicable	OWC

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

**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

**Page 7 of 146**

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

Air pollution and Noise pollution due to DG set	Not applicable	Stack of required height and acoustic enclosure for noise control
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<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	208.88 Lakhs
	<b>O &amp; M cost:</b>	107.49 Lakhs

## 51.Environmental Management plan Budgetary Allocation

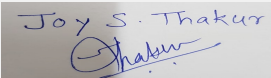
### a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water for Dust Suppression	water sprinkling	0.7 Lakhs
2	Site Sanitation	Septic tank	1.5 Lakhs
3	Environmental Monitoring	For Air, Water, soil and Noise analysis from MoEF accredited lab	1.3 Lakhs
4	Disinfection at site	Pest control Team appointment	7.2 Lakhs
5	Health Check up of Workers	Doctor appointment	43.2 Lakhs
6	DMP cost	Safety during construction , PPE to workers	21 Lakhs

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

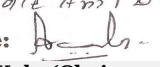
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP Cost	STP installation	119 Lakhs	5.95 Lakhs/yr
2	RWH cost	Rain Water Harvesting Tank and Recharge Pits	78.32 Lakhs	3.91 Lakhs/yr
3	Environmental Monitoring	For Air, Water, soil and Noise analysis from MoEF accredited lab	0 Lakhs	15.205 Lakhs/yr
4	Solar Energy	Solar Hot water System for all the flats	171 Lakhs	8.55 Lakhs/yr
5	Gardening	Total area of garden is 946.33 Sq.mt.	18 Lakhs	0.9 Lakhs
6	Solid waste management	OWC machine	22.5 Lakhs	6.6 Lakhs/yr
7	Energy Saving Measures	Energy saving equipments installed	208.88 Lakhs	107.49 Lakhs/yr
8	DMP cost	Fire sprinklers, extinguisher, camera, security sign etc	112 Lakhs	5.6 Lakhs/yr

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

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

**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

**Page 8 of 146**

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



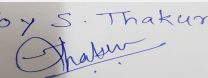
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 52. Any Other Information

No Information Available

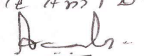
### 53. Traffic Management

	<b>Nos. of the junction to the main road &amp; design of confluence:</b>	Separate entry and exit roads with minimum 15 m abutting road and Drive way designed for the project is 6.00 mt wide.
<b>Parking details:</b>	<b>Number and area of basement:</b>	Not applicable
	<b>Number and area of podia:</b>	Not applicable
	<b>Total Parking area:</b>	3124.00 Sq. m
	<b>Area per car:</b>	Not applicable
	<b>Area per car:</b>	Not applicable
	<b>Number of 2-Wheelers as approved by competent authority:</b>	Two Wheeler - 710 Nos. and Bicycles - 710 Nos.
	<b>Number of 4-Wheelers as approved by competent authority:</b>	0 nos.
	<b>Public Transport:</b>	Not applicable
	<b>Width of all Internal roads (m):</b>	6.0 m wide internal driveway.
	<b>CRZ/ RRZ clearance obtain, if any:</b>	Not applicable
	<b>Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries</b>	Not applicable
	<b>Category as per schedule of EIA Notification sheet</b>	8(a)
	<b>Court cases pending if any</b>	Not applicable
	<b>Other Relevant Informations</b>	Not applicable

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

**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

**Page 9 of 146**

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

	<b>Have you previously submitted Application online on MOEF Website.</b>	No
	<b>Date of online submission</b>	-
<b>SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS</b>		
Summorisred in brief information of Project as below.		
<b>Brief information of the project by SEAC</b>		
<p><b>Environment Clearance for Proposed Construction of 568 housing units with 4 Convenient Shops for Economically Weaker Section Group Under Pradhan Mantri Awas Yojana on S.NO. 136/1 (P), C.T.S. No. 4911 (P), Reservation (HDH) No.283, Village- Akurdi, District Pune by M/s Pimpri Chinchwad Municipal Corporation.</b></p> <p>PP submitted their application for prior Environmental clearance for total plot area of 11132.82 Sq. Mtrs, BUA of 29793 Sq. Mtrs and FSI area of 20374.23 Sq. Mtrs. PP proposes to construct 6 no. of residential &amp; commercial buildings.</p>		
<b>DECISION OF SEAC</b>		
<i>PP remains absent, hence committee decided to defer the proposal.</i>		
Specific Conditions by SEAC:		
<b>FINAL RECOMMENDATION</b>		
SEAC-III decided to defer the proposal. Kindly find SEAC decision above.		

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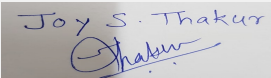
## 72 nd Meeting of SEAC-3 (Day-3)

**SEAC Meeting number: 72 Meeting Date October 2, 2018**

**Subject:** Environment Clearance for Expansion for Life Republic integrated township project

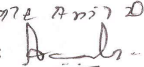
**Is a Violation Case:** No

<b>1.Name of Project</b>	Life Republic
<b>2.Type of institution</b>	Private
<b>3.Name of Project Proponent</b>	I -Ven Townships (pune) Ltd.
<b>4.Name of Consultant</b>	Oasis Environmental Foundation
<b>5.Type of project</b>	Township
<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, previous EC vide no. 21-111/2007-IA.III dated 6th Sep 2007 and its revalidation letter dated 16th December 2014.
<b>8.Location of the project</b>	86 [ Old Survey Nos. 78/1, 80, 83, 81/1/A, 81/1/B, 81/2, 82/1, 82/2, 82/3, 86, 107/1(part), 107/2, 110/1A(Part), 110/2(Part), 110/1/B, 111/1A/1, 111/1A/2, 111/1B, 111/2, 112/1(Part), 14/1(Part),113/1A/1, 114/2, 113/1A/1B/1, 113/1A/1B, 113/2, 113/1A/2, 113/1B, 115/1(Part), 117, 118/1,120/3,121,122,123] 102/1, 85/1, 74/B[Old Survey Nos.74/2, 74/9/2(Part), 74/3],77/1 (Part),77/2, 78/1 (Part),80/1 (Part ), 83 (Part), 83/2(Part), 90/7/1 ,90/9, 91/1(Part), 91/2, 91/3, 91/4(Part) , 91/5, 91/6, 91/7(Part), 91/8, 92/1A, 92/2A(Part), 92/3, 92/4, 92/5, 92/6(Part), 92/7,92/8(Part), 93, 95, 96/1/1(Part), 96/1/2(Part), 96/1/3, 96/2/1, 96/2/2(Part), 96/3(Part),96/4(Part),96/5/2(Part),98(part),98/2,100/1/1,100/1/2,100/2,101(Part), 101(Part), 101(Part),112/1(Part),112/2,114/1(Part),119,120/1,120/2,120/4/1,120/4/2,124/1/1, 124/1/2, 124/2, 125/1,126/1 (Part),126/2, 127/1/1, 127/1/2 (Part),24/3,24/5,25/1, 25/2, 26/1, 26/2, 26/4, 26/5, 26/6, 27/1, 27/3(Part), 69/1,69/2/1, 69/2/2,69/2/3, 69/2/4, 69/2/5, 69
<b>9.Taluka</b>	Mulshi
<b>10.Village</b>	Jambe, Nere and Marunji
<b>Correspondence Name:</b>	Rahul Talele
<b>Room Number:</b>	201
<b>Floor:</b>	2 nd floor
<b>Building Name:</b>	City Point
<b>Road/Street Name:</b>	Dhole Patil Road
<b>Locality:</b>	Camp
<b>City:</b>	Pune
<b>11.Area of the project</b>	PMRDA
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	In process <b>IOD/IOA/Concession/Plan Approval Number:</b> In process <b>Approved Built-up Area:</b>
<b>13.Note on the initiated work (If applicable)</b>	Total constructed area 482977.56 sqm as per previous EC
<b>14.LOI / NOC / TOD from MHADA/ Other approvals (If applicable)</b>	Not applicable
<b>15.Total Plot Area (sq. m.)</b>	1628405.50 sqm
<b>16.Deductions</b>	100535.17 sqm
<b>17.Net Plot area</b>	1527870.33 sqm
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	a) FSI area (sq. m.): 814133 b) Non FSI area (sq. m.): 647153.52 c) Total BUA area (sq. m.): 1461287
<b>18 (b).Approved Built up area as per DCR</b>	Approved FSI area (sq. m.): 755533.83 Approved Non FSI area (sq. m.): Not applicable Date of Approval: 26-04-2017
<b>19.Total ground coverage (m2)</b>	268314

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

**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

**Page 11 of 146**

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

20. Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	16.48
21. Estimated cost of the project	54176100000

## 22. Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	R1 (7 buildings)	P + 22	73.60
2	R2 ( 38 row houses, 47 twin bungalows and 1 bungalow)	G +1	7.00
3	R3 ( 5 buildings)	2 P +21	69.90
4	R4 (6 buildings)	P + 22 (for A,B,C) and for 3P+22 (for D,E,F)	70.00 and for shops 5.10
5	R6 (2 buildings)	2P + 22 (For A & B) and P +22 (For C)	69.90 and for shops 14. 90
6	R7 (7 buildings)	2P + 22 (For C and F) P +22 (For A,B,D,E,G)	69.90
7	R9 (5 buildings)	P +21	69.90
8	R 16 (7 buildings)	P + 22 (For Bldg. E : 9P)	71.60 & 23.80
9	R 17 ( 157 Bungalows)	G + 2 / 2P+G+4	11.60 & 24.0
10	School (3 buildings)	G +3/G+5	27.00
11	Amenity building A1 to A5 (7 buildings)	2 buildings G +2, 2 building B + G +4 , 2 buildings G +4, 1 buildings G +1	16.00
12	Commercial building C1 to C6 ( 10 buildings)	9 buildings B +G+4, 1 building G +3	16.00
13	Hospital (2 buildings)	B +G+5	20.00
14	Fire station (2 buildings)	G +1 and P +4	14.95
15	Club house	G +1	7.90

23. Number of tenants and shops	tenements: 8419 commercial building 29 amenity building 5 school 3 building fire station 3 building
24. Number of expected residents / users	Total no. of Residential Population- 42095, Total no. of Commercial Population-37267+2237 (Commercial population in residential sector) =39504 Total no. of Hospital Population-667, Total No of U8 (Fire Station) Population- 180
25. Tenant density per hectare	95 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))	24 m
28. Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m

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

**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

**Page 12 of 146**

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

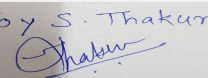
<b>29.Existing structure (s) if any</b>	38 row houses 42 twin bungalows, 17 buildings (Residential buildings 14, School building 1, and Fire station 2 buildings),club house
<b>30.Details of the demolition with disposal (If applicable)</b>	Not applicable

### 31.Production Details

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

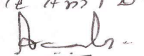
### 32.Total Water Requirement

<b>Dry season:</b>	<b>Source of water</b>	Pawana River
	<b>Fresh water (CMD):</b>	4528
	<b>Recycled water - Flushing (CMD):</b>	3304
	<b>Recycled water - Gardening (CMD):</b>	1623
	<b>Swimming pool make up (Cum):</b>	79
	<b>Total Water Requirement (CMD) :</b>	9455
	<b>Fire fighting - Underground water tank(CMD):</b>	500
	<b>Fire fighting - Overhead water tank(CMD):</b>	25 Kl/bldg
	<b>Excess treated water</b>	2123
<b>Wet season:</b>	<b>Source of water</b>	Pawana River
	<b>Fresh water (CMD):</b>	4528
	<b>Recycled water - Flushing (CMD):</b>	3304
	<b>Recycled water - Gardening (CMD):</b>	0
	<b>Swimming pool make up (Cum):</b>	79
	<b>Total Water Requirement (CMD) :</b>	7832
	<b>Fire fighting - Underground water tank(CMD):</b>	500
	<b>Fire fighting - Overhead water tank(CMD):</b>	25 Kl/bldg
	<b>Excess treated water</b>	3746

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

**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

**Page 13 of 146**

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

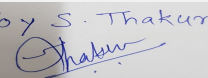
<b>Details of Swimming pool (If any)</b>	Sector Area Total Water requirement (KL) Daily water make up (KL)
	R1 320.70 320.70 12.8
	R2 120.35 120.34 4.8
	R3 239.03 239.03 9.5
	R4 388.90 388.9 15.5
	R6 147.66 147.7 5.9
	R7 288.93 288.9 11.6
	R9 - - - -
	R16 209.13 209.2 8.3
	R17 265.13 265.3 10.6
Total 1980.0 79.00	

### 33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	3178	1350	4528	317	135	452	2861	1215	4076
Gardening	488	1135	1623	488	1135	1623	0	0	0

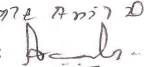
<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	5 to 6 mt BG in post monsoon and 15 to 20 mt BG in pre monsoon
	<b>Size and no of RWH tank(s) and Quantity:</b>	Not applicable
	<b>Location of the RWH tank(s):</b>	Not applicable
	<b>Quantity of recharge pits:</b>	100
	<b>Size of recharge pits :</b>	2 m X 2 m X 2m
	<b>Budgetary allocation (Capital cost) :</b>	0.73 Cr
	<b>Budgetary allocation (O &amp; M cost) :</b>	0.05 Cr p.a.
	<b>Details of UGT tanks if any :</b>	Domestic water: 2325.96 KL Fire storage: 3525 KL

<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	As per contour
	<b>Quantity of storm water:</b>	159.55 m <sup>3</sup> / min
	<b>Size of SWD:</b>	400 mm and 600 mm

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

**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

**Page 14 of 146**

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

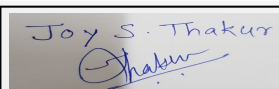
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	7050 KL
	<b>STP technology:</b>	MBBR
	<b>Capacity of STP (CMD):</b>	22 STP and total capacity 7113 KLD
	<b>Location &amp; area of the STP:</b>	As per layout
	<b>Budgetary allocation (Capital cost):</b>	165.41 Cr
	<b>Budgetary allocation (O &amp; M cost):</b>	3.15 Cr p.a.

### 36.Solid waste Management

<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>	On site as filling material
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	14428 kg/day
	<b>Wet waste:</b>	15061 kg/day
	<b>Hazardous waste:</b>	Not applicable
	<b>Biomedical waste (If applicable):</b>	282 kg/day
	<b>STP Sludge (Dry sludge):</b>	440 kg/day
	<b>Others if any:</b>	E waste : 4128 kg/day
<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Through authorized vendor
	<b>Wet waste:</b>	Through mechanical composting unit
	<b>Hazardous waste:</b>	Not applicable
	<b>Biomedical waste (If applicable):</b>	Through authorized agency
	<b>STP Sludge (Dry sludge):</b>	Through 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>	61.3 sqm
	<b>Area for machinery:</b>	18.4 sqm
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	6.40 Cr
	<b>O &amp; M cost:</b>	1.08 Cr p.a.

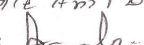
### 37.Effluent Charecteristics

Serial Number	Parameters	Unit	Inlet Effluent Charecteristics	Outlet Effluent Charecteristics	Effluent discharge standards (MPCB)
1	pH	Not applicable	7-8.5	6.5-7.5	Not applicable
2	COD	mg/l	300-400	<30	Not to exceed 100 mg/l
3	BOD	mg/l	350-450	<5	Not to exceed 10 mg/l
4	TSS	mg/l	350-450	<5	Not to exceed 50 mg/l

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

**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

**Page 15 of 146**

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

5	O & G	mg/l	10	<5	Not applicable
6	TDS	mg/l	Not applicable	<1000	Not applicable
7	Total Nitrogen	mg/l as N	40-50	< or equal to 10	Not applicable
8	Ammonical nitrogen	mg/l	5-7	< or equal to 1	Not applicable
9	Total phosphate	mg/l	5-7	< or equal to 2	Not applicable
10	Feacal coliform	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	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 39.Stacks emission Details

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

### 40.Details of Fuel to be used

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

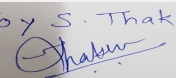
41.Source of Fuel Not applicable

42.Mode of Transportation of fuel to site Not applicable

<b>43.Green Belt Development</b>	<b>Total RG area :</b>	At Township level: 52.73 acres (2,13,414.47 sqm) ,At Sector level: 14.08 acres (56,997.07 sqm)
	<b>No of trees to be cut :</b>	Not applicable
	<b>Number of trees to be planted :</b>	20590
	<b>List of proposed native trees :</b>	As per list
	<b>Timeline for completion of plantation :</b>	5 years

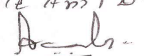
### 44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
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Joy S. Thakur  
  
 Joy S.Thakur (Secretary SEAC-III)

SEAC Meeting No: 72 Meeting Date: October 2, 2018

Page 16 of 146

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



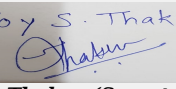
1	Areca catechu	Supari	500	In Ayurvedic medicine betel nut is used as a diuretic, digestive, anthelmintic, astringent, and cardiogenic
2	Albizia procera	Shiris	150	Wood is used chiefly for construction, furniture, carts and carriages, cane crushers, carvings, boats and oars, rice pounders, and, of course, fuel
3	Amoora rohituka	Pithraj	125	Amoora plant extract possess a multitude of medicinal properties against inflammation, cancer, and diseases of the liver. It is traditionally used as herbal medicine for cancer, tumor, liver, and spleen diseases
4	Anona reticulata	Custurd apple	250	Fruit bearing trees
5	Anthocephalus kadamba	Kadamb	250	Medicinal use - Used in preparation of perfumes
6	Azadirachta indica	Neem	225	Medicinal use - Used in Anthelmintic, antifungal, antidiabetic, antibacterial, antiviral, contraceptive, and sedative.
7	Bauhinia purpurea	Kanchan	150	Medicinal use -Bark acts as an astringent in diarrhoea; its decoction is used as a wash in ulcers.
8	Brassia actinophylla	Umbrella tree	100	schefflera has bitter, sweet and warm properties, and is associated with the Liver meridian. Its main functions are to promote the circulation of the blood and to alleviate pain.
9	Butea monosperma	Palas	60	Medicinal use - the leaves of the Butea Monosperma are used as ingredients of tonics and aphrodisiacs and are also helpful in arresting bleeding or secretion.
10	Carica papaya	Papaya	120	Fruit tree, Papaya has been used widely in folk medicine for many ailments: the juice for warts, corns, cancers, tumors, and thickened skin; the roots or their extracts for cancers of the uterus, syphilis, the tropical infection, hemorrhoids, and to remove mineral concretions in the urine
11	Cassia fistula	Bahava	210	Medicinal use - is widely used tonic that helps in reducing fever.

**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**

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

**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

**Page 17 of 146**

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

<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	650 KW
	<b>DG set as Power back-up during construction phase</b>	200 KVA x 1, 100 KVA x 2, 200 KVA x 1, 62.5 KVA x 1, 50 KVA x 2, 20 KVA x 1
	<b>During Operation phase (Connected load):</b>	45830.33 KW
	<b>During Operation phase (Demand load):</b>	37810.02 KVA
	<b>Transformer:</b>	630 KVA X 51 and 315 KVA X 2
	<b>DG set as Power back-up during operation phase:</b>	62.5 KVA X 2, 82.5 KVA X1, 125 KVA X 1, 160 KVA X 3, 250 KVA X 11, 320 KVA X1, 500 KVA X 3, 600 KVA X 1
	<b>Fuel used:</b>	Disel
	<b>Details of high tension line passing through the plot if any:</b>	Not applicable

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

CFL/LED, Solar lightening and solar water heater

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

Serial Number	Energy Conservation Measures	Saving %
1	CFL lights	30 %
2	LED lights	18 %
3	Solar lighting	50 %
4	Solar water heater	40 %

#### 50. Details of pollution control Systems

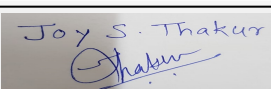
Source	Existing pollution control system	Proposed to be installed
Water	STP	STP
Noise due to DG set	Acoustic enclouser and canopy	Acoustic enclouser and canopy
Solid waste	OWC	OWC

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	4.20 Cr
	<b>O &amp; M cost:</b>	3.47 Cr P.a.

#### 51. Environmental Management plan Budgetary Allocation

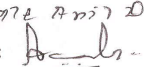
##### a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Erosion control	Dust suppression measures and barricading	5.00

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

**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

**Page 18 of 146**

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

2	Site safety and site sanitation	PPE for labours and STP for Labour camp	4.00
3	Disinfection & health check up	Health camp, paste control	3.00
4	Environmental monitoring	air, water , soil and noise monitoring and analysis	2.5

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

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP	STP installation and construction and piping up to final disposal	16541	315
2	Solid waste management	Organic waste convertor	640	108
3	Storm water network	Internal piping and piping up to final disposal	1124	358
4	Rain water harvesting	Construction of pits and internal piping	73	5
5	Energy	Solar water heater	420	347
6	Landscape	Plantation trees	2537	7.3
7	Environment monitoring	Air, noise monitoring and water and soil analysis	3	25
8	WTP	Installation and commisioned	2992	1280
9	ETP	Installation and construction	3500	1310
10	Swimming pool	Installation and construction	396	0.60
11	Fire station	construction	2248	1432
12	Site safety and training	Installation and construction	10	0

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

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

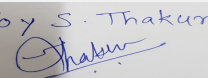
### 52.Any Other Information

No Information Available

### 53.Traffic Management

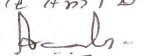
 <b>Joy S.Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 72 Meeting Date: October 2, 2018</b>	<b>Page 19 of 146</b>	<b>Name: K. Anil Kale</b>  <b>Signature: Shri. Anil Kale (Chairman SEAC-III)</b>
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	<b>Nos. of the junction to the main road &amp; design of confluence:</b>	1
<b>Parking details:</b>	<b>Number and area of basement:</b>	12 number area: 56250 sqm
	<b>Number and area of podia:</b>	Area of podium 179196.00 sqm
	<b>Total Parking area:</b>	308193.40 sqm
	<b>Area per car:</b>	35 sqm, 25 sqm
	<b>Area per car:</b>	35 sqm, 25 sqm
	<b>Number of 2-Wheelers as approved by competent authority:</b>	25051
	<b>Number of 4-Wheelers as approved by competent authority:</b>	6309
	<b>Public Transport:</b>	NA
	<b>Width of all Internal roads (m):</b>	24 m
	<b>CRZ/ RRZ clearance obtain, if any:</b>	Not applicable
	<b>Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries</b>	Not applicable
	<b>Category as per schedule of EIA Notification sheet</b>	B1
	<b>Court cases pending if any</b>	yes
	<b>Other Relevant Informations</b>	<p>Earlier, the Project Proponent has applied to State Level Environmental Impact Assessment Authority (SEIAA) of Maharashtra for Environmental Clearance. Terms of Reference (ToR) have been granted by State Expert Appraisal Committee (SEAC- III) in its 45th meeting dated 18-04-2016.</p> <p>Subsequently, the MoEF&amp;CC's notification dated 9th December 2016 came into force and the authority to grant EC was shifted to Ministry of Environment, Forests &amp; Climate Change (MoEF&amp;CC), New Delhi. As per the 9th December 2016 notification we applied to the Environmental Appraisal committee (Infra II) at MoEF&amp;CC as the built up area is above 3 lakh sqm. The EAC (Infra-II) has granted Fresh ToR to the project during its 25th meeting held on 29-11-2017.</p> <p>Now, the EIA Notification Amendment dated 9th December 2016 has been put on hold by Hon'ble National Green Tribunal (NGT) Principal Bench and therefore the situation before the said notification (i.e. before 9-12-2016) prevails. Hence this case alongwith EIA is now being submitted to SEIAA of Maharashtra.</p>

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

**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

**Page 20 of 146**

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

	<b>Have you previously submitted Application online on MOEF Website.</b>	Yes
	<b>Date of online submission</b>	01-01-1900

## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summarised in brief information of Project as below.

### Brief information of the project by SEAC

#### **Environment Clearance for Expansion for Life Republic integrated township project at Jambe, Nere and Marunji by I -Ven Townships (pune) Ltd.**

PP submitted their application for modernization of earlier Environmental clearance for total plot area of 1628405.50 Sq. Mtrs, BUA of 1461287 Sq. Mtrs and FSI area of 814133 Sq. Mtrs. PP proposes to construct 39 no. of residential buildings, 10 commercial buildings + 204 bungalows + 38 row houses + 3 school buildings + 7 amenity buildings + 2 hospital buildings + 2 fire station buildings + 1 club house.

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: 72 Meeting Date: October 2, 2018</b>	<b>Page 21 of 146</b>	<b>Name: K. Anil Kale</b>  <b>Signature: Shri. Anil Kale (Chairman SEAC-III)</b>
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The proposal was discussed in the committee to ascertain the methodology to be adopted to process various aspects of the activities proposed on the site by the PP and the expected impacts of these activities on the ecology and environment at the project site and its immediate neighbourhood. It was inter alia agreed that we may take up the various activities and examine each one in detail to study the impacts and the effect of the measures adopted by the PP for mitigation of the adverse impacts.

The following subjects were identified for examination and discussion with the PP and his team of consultants and advisers. This list is, however, not exhaustive and the SEAC will continue to add issues as these arise during the course of discussions. The efforts of the SEAC will be to examine this project exhaustively to ensure that no aspect of environmental concerns as identified in the current legislations, administrative orders and statutory notifications is left uncovered. It will also be the effort of the SEAC to ensure that communities living in the vicinity of this project are not affected adversely in any manner but on the other hand benefit economically and socially by this development and are over the course of its development incorporated seamlessly into this new community.

1. Land Environment.
2. Ground Water and Water Environment.
3. Air Environment.
4. Noise Management.
5. Energy and Power.
6. Ecology and Biodiversity.
7. Solid Waste Management.
8. Bio Medical Waste Management.
9. Waste Water Management.
10. EMP-Environment Management Cell and Budget.
11. Disaster Management, Fire Fighting and on site Emergency Plan.
12. Socio Economic Issues related to project site.
13. Traffic Management (Traffic Generation and Impact)

Note: The EIA report prepared by the PP will be the reference document for various issues that will be discussed by the SEAC. It may require to be modified at the end of our deliberations in accordance with the requirements of law and facility of implementation of the project to ensure the applicability of the most suitable solutions to meet the required standards.

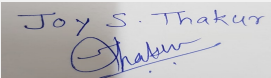
**PP requested for time to submit above information; after deliberations committee asked PP to comply with the above observations and submit information to the committee for further discussion and consideration of SEAC.**

**Specific Conditions by SEAC:**

- 1) PP to submit HRC NOC.
- 2) PP to submit NOC from irrigation department as nalla is passing through project site.
- 3) PP to submit indemnity bond for project land and status of current court case.
- 4) PP to details of socioeconomic infrastructure.
- 5) PP to submit section wise details of RG.
- 6) PP to submit details of phase wise programme.
- 7) PP to submit details of environmental infrastructure provided to current residence.
- 8) PP to submit details of all 21 STP. (Design & technology)
- 9) PP to submit traffic impact study.
- 10) PP to submit runoff details & catchment area impact details.
- 11) PP to submit landfill site details.
- 12) PP to submit energy saving calculations.

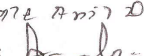
## FINAL RECOMMENDATION

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

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

**SEAC Meeting No: 72 Meeting Date: October 2,  
2018**

**Page 22  
of 146**

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

## 72 nd Meeting of SEAC-3 (Day-3)

SEAC Meeting number: 72 Meeting Date October 2, 2018

**Subject:** Environment Clearance for Proposed Housing scheme "Khadkale Phase II" at S. no. 112/1C, 112/2/1, 115/1 (P), Khadkale, Tal. Maval, Pune by M/s. Sapphire Developers

**Is a Violation Case:** No

1.Name of Project	Proposed Housing scheme "Khadkale Phase II" at S. no. 112/1C, 112/2/1, 115/1 (P), Khadkale, Tal. Maval, Pune by M/s. Sapphire Developers
2.Type of institution	Private
3.Name of Project Proponent	Mr. Ravi Shah
4.Name of Consultant	J M EnviroNet Pvt Ltd (Ms. Sayali Jagtap-EIA Co-ordinator-9960159156)
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No
8.Location of the project	S. no. 112/1C, 112/2/1, 115/1 (P)
9.Taluka	Maval
10.Village	Khadkale
Correspondence Name:	M/s. Sapphire Developers
Room Number:	46/47
Floor:	-
Building Name:	Shail Deep
Road/Street Name:	Panchavati Colony
Locality:	Talegaon Dabhade
City:	Pune
11.Area of the project	Pune Metropolitan Region Development Authority (PMRDA)
12.IOD/IOA/Concession/Plan Approval Number	Applied IOD/IOA/Concession/Plan Approval Number: Applied Approved Built-up Area:
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	21486.50 Sq. m
16.Deductions	7792.90 Sq. m
17.Net Plot area	13693.60 sq.m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 20985.05 sq. m b) Non FSI area (sq. m.): 8422.69 sq. m c) Total BUA area (sq. m.): 29407.74
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): Approved Non FSI area (sq. m.): Date of Approval: 01-01-1900
19.Total ground coverage (m2)	3188.74 sq. m
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	14.84 %
21.Estimated cost of the project	380000000

## 22.Number of buildings & its configuration

 Joy S.Thakur (Secretary SEAC-III)	SEAC Meeting No: 72 Meeting Date: October 2, 2018	Page 23 of 146	Name: K. Anil Kale Signature:  Shri. Anil Kale (Chairman SEAC-III)
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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building C1C2	Parking + 10 floors	32.05 m
2	Building C3C4	Parking + 10 floors	32.05 m
3	Building D1D2	Parking + 07 floors	23.35 m
4	Building D3D4	Parking + 07 floors	23.35 m
5	Building E1E2	Parking + 07 floors	23.35 m

23.Number of tenants and shops	Residential : 440 no's
24.Number of expected residents / users	Residential Population : 2200
25.Tenant density per hectare	250 per 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))	Existing 40 m road from the nearest talegaon Dabhade MIDC fire station.
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

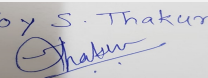
Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

### 32.Total Water Requirement

 <b>Joy S.Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 72 Meeting Date: October 2, 2018</b>	<b>Page 24 of 146</b>	<b>Name: K. Anil Kale</b>  <b>Signature: Shri. Anil Kale (Chairman SEAC-III)</b>
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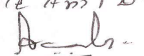


Dry season:	Source of water	Grampanchayat Khadkale							
	Fresh water (CMD):	198.45							
	Recycled water - Flushing (CMD):	99.23							
	Recycled water - Gardening (CMD):	10							
	Swimming pool make up (Cum):	0							
	Total Water Requirement (CMD) :	307.68							
	Fire fighting - Underground water tank(CMD):	100							
	Fire fighting - Overhead water tank(CMD):	25							
	Excess treated water	158.68							
Wet season:	Source of water	Grampanchayat Khadkale							
	Fresh water (CMD):	198.45							
	Recycled water - Flushing (CMD):	99.23							
	Recycled water - Gardening (CMD):	0							
	Swimming pool make up (Cum):	0							
	Total Water Requirement (CMD) :	297.68							
	Fire fighting - Underground water tank(CMD):	100							
	Fire fighting - Overhead water tank(CMD):	25							
	Excess treated water	168.68							
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

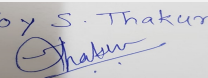
Joy S. Thakur  
  
**Joy S.Thakur (Secretary SEAC-III)**

**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

**Page 25 of 146**

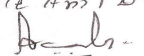
**Name: K. Anil D.**  
  
**Signature: Shri. Anil Kale (Chairman SEAC-III)**

<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	4.7 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>	05 no's
	<b>Size of recharge pits :</b>	1.5 m X 1.5 m X 2 m= 2 Nos 1.5 m X1.5 mX1.4 m= 1 Nos 1.5 m X1.5 mX1.6 m= 1 Nos 1 m X 1 m X 2m= 1 Nos
	<b>Budgetary allocation (Capital cost) :</b>	Rs. 2,90,000 /-
	<b>Budgetary allocation (O &amp; M cost) :</b>	Rs. 58,000 /-
	<b>Details of UGT tanks if any :</b>	Domestic UGT capacity : 297.68 KLD Flushing UGT capacity : 163.84 KLD Fire UGT capacity : 100 KLD
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	As per contour
	<b>Quantity of storm water:</b>	533.41 m3/hr
	<b>Size of SWD:</b>	600 mm
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	267.91 KLD
	<b>STP technology:</b>	MBBR Technology
	<b>Capacity of STP (CMD):</b>	280 KLD
	<b>Location &amp; area of the STP:</b>	Area : 140 sq. m
	<b>Budgetary allocation (Capital cost):</b>	Rs. 45,80,000 /-
	<b>Budgetary allocation (O &amp; M cost):</b>	Rs. 12,00,000 /-
<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 reused within site premises.
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	440 kg/day
	<b>Wet waste:</b>	660 kg/day
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	24.05 kg/day
	<b>Others if any:</b>	NA

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

SEAC Meeting No: 72 Meeting Date: October 2,  
 2018

Page 26  
 of 146

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

<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>	Near Building D3D4
	<b>Area for the storage of waste &amp; other material:</b>	12 sq.m
	<b>Area for machinery:</b>	48 sq. m
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs. 20,25,000 /-
	<b>O &amp; M cost:</b>	Rs. 4,79,502 /-

### 37. Effluent Characteristics

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

### 38. Hazardous Waste Details

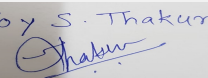
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 39. Stacks emission Details

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

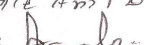
### 40. Details of Fuel to be used

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

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

SEAC Meeting No: 72 Meeting Date: October 2, 2018

Page 27  
of 146

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

<b>43.Green Belt Development</b>	<b>Total RG area :</b>	Open space 1: 1160. 21 sq. m Open space 2 : 456.86 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>	279 no's
	<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

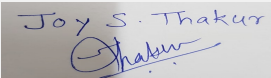
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Erythrina stricta	Ranpangara	26	Birds attracting , medicine tree
2	Thespesia populnea	Ranbhendi	16	Flowering plant,ever green, bird catching, medicinal plant
3	Bahunia Purpurea	Purple orchid	40	Beautiful and fragrant, classic orchid like flowers
4	Swietenia mahagoni	Mahogany	34	Toll tree attracting to birds and use for medicine purpose, shady tree also control on pollution.
5	Spathodea campanulata	African Tulip	51	Large Evergreen, Dense, flowering tree, Bird Nesting, shady tree.
6	Pheltophorum pterocarpum	Yellow flamboyant	44	Shade tree, flowering plant, fragrance tree
7	Syzygium cumini	Jambhul	8	Evergreen tree,fruit bearing, birds attracting, medicine use plant and shady tree control pollution
8	Terminalia catappa	Indian Almond	16	Straight tree attracting to birds, fruit tree, medical important's.
9	Millingtonia hortensis	Indian cork tree	29	Ornamental, Birds Attracting, Pleasant fragrance tree & garden tree.
10	Pongamia	Karanj	9	Flowering plant, medicine use, pollinators bees, bird catching.
11	Wodyetia bifurcata	Fox tail palm	6	Ornamental tree, beatification

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

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

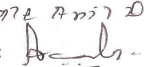
Serial Number	Name	C/C Distance	Area m2
1	NA	NA	NA

#### 47.Energy

  
Joy S.Thakur (Secretary  
SEAC-III)

SEAC Meeting No: 72 Meeting Date: October 2,  
2018

Page 28  
of 146

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

<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>	40 KVA
	<b>During Operation phase (Connected load):</b>	1653 KVA
	<b>During Operation phase (Demand load):</b>	1322 KVA
	<b>Transformer:</b>	22 KV/630 KVA & 22 KV/315 KVA
	<b>DG set as Power back-up during operation phase:</b>	180 KVA
	<b>Fuel used:</b>	HSC
	<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.
- CFL & 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 CFL, T5 Lamps & LED Lights

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

Serial Number	Energy Conservation Measures	Saving %
1	CFL & LED based lighting for common areas + Solar lights + Solar hot water system + Water level controllers + Auto timer switch	18 %

#### 50. Details of pollution control Systems

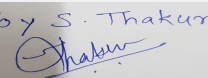
Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs. 79,60,000 /-
	<b>O &amp; M cost:</b>	Rs. 2,00,000 /-

### 51. Environmental Management plan Budgetary Allocation

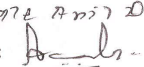
#### a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
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Joy S. Thakur  
  
Joy S. Thakur (Secretary  
SEAC-III)

**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

Page 29  
of 146

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

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	1 STP	Rs. 45,80,000 /-	Rs. 12,00,000 /-
2	Rain Water Harvesting	5 no's	Rs. 2,90,000 /-	Rs. 58,000 /-
3	Solid Waste Management	1 OWC	Rs. 20,25,000 /-	Rs. 4,79,502 /-
4	Green Belt Development	279 no's of trees	Rs. 3,97,000/-	Rs. 79,400 /-
5	Solar System	Solar hot water +PV cells	Rs. 79,60,000 /-	Rs. 2,00,000 /-
6	Environmental Monitoring	Environment Management	-	Rs. 1,20,000 /-

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

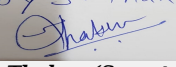
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

**52.Any Other Information**

No Information Available

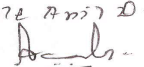
**53.Traffic Management**

Nos. of the junction to the main road & design of confluence:	40 m wide existing road
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*Joy S. Thakur*  
  
**Joy S.Thakur (Secretary SEAC-III)**

**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

**Page 30 of 146**

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

<b>Parking details:</b>	<b>Number and area of basement:</b>	No
	<b>Number and area of podia:</b>	No
	<b>Total Parking area:</b>	3042 Sq. m
	<b>Area per car:</b>	12.5 sq. m per car as per DC rule
	<b>Area per car:</b>	12.5 sq. m per car as per DC rule
	<b>Number of 2-Wheelers as approved by competent authority:</b>	Scooters : 770 , Cycles : 770
	<b>Number of 4-Wheelers as approved by competent authority:</b>	77 no's
	<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>	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>	No
	<b>Other Relevant Informations</b>	No
	<b>Have you previously submitted Application online on MOEF Website.</b>	Yes
	<b>Date of online submission</b>	20-10-2016
<b>SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS</b>		
Summorisred in brief information of Project as below.		
<b>Brief information of the project by SEAC</b>		

 <b>Joy S.Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 72 Meeting Date: October 2, 2018</b>	<b>Page 31 of 146</b>	<b>Name: K. Anil Kale</b>  <b>Signature: Shri. Anil Kale (Chairman SEAC-III)</b>
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**Environment Clearance for Proposed Housing scheme "Khadkale Phase II" at S. no. 112/1C, 112/2/1, 115/1 (P), Khadkale, Tal. Maval, Pune by M/s. Sapphire Developers.**

PP submitted their application for prior Environmental clearance for total plot area of 21486.50 Sq. Mtrs, BUA of 29407.74 Sq. Mtrs and FSI area of 20985.05 Sq. Mtrs. PP proposes to construct 5 no. of residential buildings.

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**

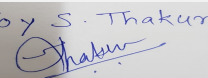
***PP requested for time to submit above information; after deliberations committee asked PP to comply with the above observations and submit information to the committee for further discussion and consideration of SEAC.***

**Specific Conditions by SEAC:**

- 1) PP to submit details of CER activities in consultation with the affected people in the project area as per MoEF & CC circular dated 1/05/2018. With details of fund utilization & agreement or consent of executor.
- 2) PP to submit NOC from adjoining plot owner to allow to lay SWD & sewer line towards final disposal point.
- 3) PP to submit drawing showing alignment of SWD & sewer line with details of chamber.
- 4) PP to submit revised RG plan with additional local species of trees.
- 5) PP to submit cross section at 4 -5 places showing the space left for SWD, plantation of trees and compound wall.
- 6) PP to submit STP details.
- 7) PP to submit water supply NOC/Undertaking.
- 8) PP to submit revised EMP cost considering the utilities provide.

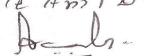
**FINAL RECOMMENDATION**

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

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

SEAC Meeting No: 72 Meeting Date: October 2,  
2018

Page 32  
of 146

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



## 72 nd Meeting of SEAC-3 (Day-3)

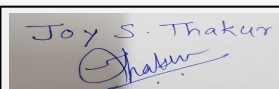
**SEAC Meeting number: 72 Meeting Date October 2, 2018**

**Subject:** Environment Clearance for Application for environmental clearance for Expansion of Ganga Platino project by Goel Eisha Capitals

**Is a Violation Case:** No

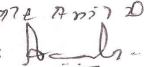
1.Name of Project	Ganga Platino
2.Type of institution	Private
3.Name of Project Proponent	Goel Eisha Capitals
4.Name of Consultant	Pollution and Ecology Control Services
5.Type of project	Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Previous EC vide no. 21-209/2007-IA.III and re validation letter dated 18 May 2013
8.Location of the project	S. No. 60/1/2
9.Taluka	Haveli
10.Village	Kharadi
Correspondence Name:	Swaran sigh Sohal
Room Number:	0
Floor:	6th
Building Name:	San Mahu complex
Road/Street Name:	Bund Garden Road
Locality:	Camp
City:	Pune
11.Area of the project	PMC
12.IOD/IOA/Concession/Plan Approval Number	In process
	<b>IOD/IOA/Concession/Plan Approval Number:</b> In Process
	<b>Approved Built-up Area:</b>
13.Note on the initiated work (If applicable)	Total constructed work (FSI+ Non FSI): FSI: 18513.72 sqm; Non FSI: 35701.11 Total BUA: 54214.83 sqm as per previous EC and sanction vide no. CC/0166/2014 dated 21/04/2014
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	39000
16.Deductions	21516.35
17.Net Plot area	17483.65
18 (a).Proposed Built-up Area (FSI & Non-FSI)	<b>a) FSI area (sq. m.):</b> FSI: 46845.24 sqm ( Existing: 18513.72 + Proposed : 28331.52)
	<b>b) Non FSI area (sq. m.):</b> Non FSI: 49611.73 sqm ( Existing 35701.96 + Proposed 13910.62)
	<b>c) Total BUA area (sq. m.):</b> 96458
18 (b).Approved Built up area as per DCR	<b>Approved FSI area (sq. m.):</b> 37131.11
	<b>Approved Non FSI area (sq. m.):</b> 9551.7
	<b>Date of Approval:</b> 30-01-2018
19.Total ground coverage (m2)	10644
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	27.29 %
21.Estimated cost of the project	2290000000

## 22.Number of buildings & its configuration

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

**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

**Page 33 of 146**

**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	P (1) [Existing]	GR+MEZZ+UPP FLR+18	60.85
2	Q (1) [Existing]	3 PARKING+18	58.00
3	R (1) [Existing]	3 PARKING+18	58.00
4	S (1)	3 PARKING + 20	65.6
5	T (1)	3 PARKING + 20	64.4
6	U (1)	3 PARKING + 20	64.40
7	V (1) [existing commercial]	3 PARKING+G+MEZZ+18.	58.8
8	Club house (1)	G + 1	5.9

<b>23.Number of tenants and shops</b>	Total Residential -504 flats and 17 shops a)Existing - Residential 208 flats and 17 shops b)Proposed - Residential 296 flats
<b>24.Number of expected residents / users</b>	Total Residential: 2520 No. and Commercial - 724 Existing : Residential : 1040 and commercial:724 Proposed: Residential : 1480
<b>25.Tenant density per hectare</b>	250 T/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>	36 m
<b>28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation</b>	9 m
<b>29.Existing structure (s) if any</b>	Building P.Q.R is complete, Commercial part of Bldg V is complete. S, T, U up to parking level complete
<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

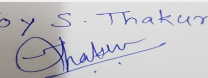
### 32.Total Water Requirement

 <b>Joy S.Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 72 Meeting Date: October 2, 2018</b>	<b>Page 34 of 146</b>	<b>Name: K 072 Anil D.</b> <b>Signature: </b> <b>Shri. Anil Kale (Chairman SEAC-III)</b>
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Dry season:	Source of water	PMC
	Fresh water (CMD):	247
	Recycled water - Flushing (CMD):	132
	Recycled water - Gardening (CMD):	10
	Swimming pool make up (Cum):	3000 lit
	Total Water Requirement (CMD) :	388
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	25000 lit /building
	Excess treated water	198
Wet season:	Source of water	PMC
	Fresh water (CMD):	247
	Recycled water - Flushing (CMD):	132
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	3000 lit
	Total Water Requirement (CMD) :	378
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	25000 lit /building
	Excess treated water	208
Details of Swimming pool (If any)	Main Pool Size: 20 m X 15.2 m X 1.20 m. 332 cum Kids pool : 6 m X 10.96 m X 0.6 m 39.45 cum Total water Requirement: 372 cum Water requirement for make up: 3000 lits per day	
	Details of Plant & Machinery used for treatment of Swimming pool water: The filtration system comprises of skimmers, floor drains, hair and lint strainers, pump, multi-port valve, high rate sand filter and floor inlets Disinfection: 1. Chlorine Daily basis 2. Alum Once a fortnight 3. Soda Ash/Acid Once in a while to correct the pH if required	

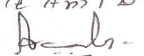
### 33.Details of Total water consumed



Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Water Requirement									

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

SEAC Meeting No: 72 Meeting Date: October 2, 2018

Page 35 of 146

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

Domestic	103	144	247	10	14	24	93	130	223
Gardening	Not applicable	10	10	NA	10	10	NA	0	0
<b>34.Rain Water Harvesting (RWH)</b>									
	<b>Level of the Ground water table:</b>	7 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>	6 recharge bore with diameter 160 mm and depth 18-20 m							
	<b>Size of recharge pits :</b>	1.5 m X 1.5 m X 3.0 m							
	<b>Budgetary allocation (Capital cost) :</b>	1200000/-							
	<b>Budgetary allocation (O &amp; M cost) :</b>	35000/-pa							
	<b>Details of UGT tanks if any :</b>	Domestic UG tank Capacity: 396 KL Treated Water UG tank Capacity: 213 KL Fire UG tank Capacity: 300 KL							
<b>35.Storm water drainage</b>									
	<b>Natural water drainage pattern:</b>	As per contour							
	<b>Quantity of storm water:</b>	693.22 m <sup>3</sup> /hr							
	<b>Size of SWD:</b>	400 mm to 600 mm							
<b>Sewage and Waste water</b>									
	<b>Sewage generation in KLD:</b>	340							
	<b>STP technology:</b>	MBBR							
	<b>Capacity of STP (CMD):</b>	345 KLD (1)							
	<b>Location &amp; area of the STP:</b>	As per layout and area 185.62 sqm							
	<b>Budgetary allocation (Capital cost):</b>	87,25,000							
	<b>Budgetary allocation (O &amp; M cost):</b>	28,800,000/- p.a							
<b>36.Solid waste Management</b>									
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	1% of total raw material							
	<b>Disposal of the construction waste debris:</b>	Back filling on same site and top soil for landscape							
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	571 kg/day [existing 275 + proposed 296 ]							
	<b>Wet waste:</b>	790 kg/day [ existing 346 + proposed 444]							
	<b>Hazardous waste:</b>	NA							
	<b>Biomedical waste (If applicable):</b>	NA							
	<b>STP Sludge (Dry sludge):</b>	129 Kg/day							
	<b>Others if any:</b>	E waste : 550 kg/year							
 <b>Joy S.Thakur (Secretary SEAC-III)</b>		<b>SEAC Meeting No: 72 Meeting Date: October 2, 2018</b>				<b>Page 36 of 146</b>		<b>Signature: </b> <b>Shri. Anil Kale (Chairman SEAC-III)</b>	

<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Through authorized vendor
	<b>Wet waste:</b>	Mechanical composter unit
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	Organic waste composting machine
	<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>	33
	<b>Area for machinery:</b>	15
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	41.35 lakhs /-
	<b>O &amp; M cost:</b>	1.80 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 - 8.5	6.5 - 7.5	Not applicable
2	TSS	mg/l	200 -300	<5	Not exceed 50 mg/l
3	Oil and grease	mg/l	10	<5	Not applicable
4	BOD	mg/l	200 -300	<10	Not exceed 10 mg/l
5	COD	mg/l	350 -400	<30	Not exceed 100 mg/l
6	TDS	mg/l	-	<1000	Not applicable
7	Total Nitrogen	mg/l	40 -50	< or equal to 10	Not applicable
8	Ammonical nitrogen	mg/l	--	< or equal to 1	Not applicable
9	Phosphate	mg/l	5 -7	< or equal to 2	Not applicable
10	Coliforms	MPN/100 ml	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 sent to the CETP: Not applicable

Membership of CETP (if require): Not applicable

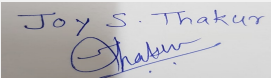
Note on ETP technology to be used Not applicable

Disposal of the ETP sludge Not applicable

### 38. Hazardous Waste Details

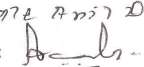
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 39. Stacks emission Details

  
Joy S. Thakur (Secretary SEAC-III)

SEAC Meeting No: 72 Meeting Date: October 2, 2018

Page 37 of 146

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

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

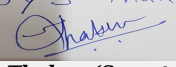
41.Source of Fuel Not applicable

42.Mode of Transportation of fuel to site Not applicable

<b>43.Green Belt Development</b>	<b>Total RG area :</b>	1583.00 sqm
	<b>No of trees to be cut :</b>	NA
	<b>Number of trees to be planted :</b>	150
	<b>List of proposed native trees :</b>	All are native
	<b>Timeline for completion of plantation :</b>	1 year

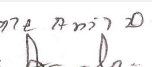
#### 44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Ailanthus excelsa	Maharukh	10	Large, Deciduous, Contributes in combating Air Pollution
2	Swetenia mahagony	Mahagony	10	Fast growing medium height tree with symmetrical crown
3	Pongamia pinnate	Karanj	10	Large, Evergreen Tree with large canopy
4	Peltophermum	Copper pod	10	Upright, large semi-evergreen tree with bright yellow flowers
5	Tabebuia argenticia	Trumpet tree	5	Medium height deciduous tree with bright yellow flowers, good for avenues
6	Spathodea campanulata	African tulip tree	5	Large upright tree, ideal for avenues. Bright orange flowers in profusion during Spring.
7	Saraca indica	Sita ashok	10	Small, native evergreen tree with a round and compact crown.
8	Mangifera indica	Mango	10	Medium height tree with multiple branching. Attracts birds for its fruit.
9	Tabebuia rosea	Pink trumpet tree	5	Tall, fast-growing deciduous tree with profuse pink flowers
10	Lagerstromia flosreginea	Lagerstroma	5	Medium height ornamental tree owing to pink-purple flowers. Branching is crooked and irregular.

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

**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

**Page 38 of 146**

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

11	Cassia fistula	Bahava	10	Large tropical ornamental tree with bright yellow flowers. Good for avenues.
12	Michelia champaca	Champa	5	Large tree with a spread canopy. Large fragrant flowers
13	Erythrina indica	Indian coral tree	5	Large spreading deciduous tree with bright red flowers
14	Psidium guajava	Guava tree	5	Medium height tree, irregular shaped crown. Attracts birds for its fruit.
15	Nyctanthes arbortristis	Parijatak	10	Small spreading tree with irregular shape. Fragrant flowers at night. Helps in fighting pollution.
16	Murraya koengii	Kadipatta	10	Small evergreen tree, almost like a tall shrub. Fragrant leaves
17	Plumeria alba	Temple tree	5	Small Multi-branching deciduous tree with big white fragrant flowers
18	Bauhenia purpurea	Kanchan	10	Small height deciduous tree with butterfly shaped purple flowers.
19	Syzygium jambos	Jamun	10	Medium-Large tree with low branching, cultivated for its fruits that attract birds

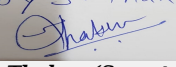
**45.Total quantity of plants on ground**

**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>	33 KW
	<b>DG set as Power back-up during construction phase</b>	50 KVA
	<b>During Operation phase (Connected load):</b>	4642.85 KW
	<b>During Operation phase (Demand load):</b>	2265. 35 kVA
	<b>Transformer:</b>	630Kva x 4 Nos
	<b>DG set as Power back-up during operation phase:</b>	600 KVA x 1 no. + 500 KVA x 3nos. + 400 KVA x 2 nos.+200 KVA x 1nos.
	<b>Fuel used:</b>	Diesel
<b>Details of high tension line passing through the plot if any:</b>	NA	

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

**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

**Page 39 of 146**

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

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

1. Timers and contactors will be used to switch on / off common are & external landscape and facade lighting.
2. LED/T5/CFL fittings will be used for corridors ,Lobbies and common areas.
3. Energy efficient LED/T5/CFL 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. 25 Ltrs Solar water is provided for each flat .
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 heater	16 %
2	Common Lighting (LED/T5/CFL)	53 %

### 50. Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Water	STP	NA
Noise due to DG set	Acoustic enclouser	Acoustic enclouser
Solid waste management	NA	OWC

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	30.08 lakhs/-
	<b>O &amp; M cost:</b>	2.00 lakhs pa

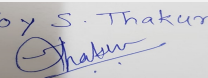
### 51. Environmental Management plan Budgetary Allocation

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

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Erosion control	Dust suppression measures and barricading	2
2	Site safety	Net, PEE for labours, Sign boards	3
3	Site sanitation	Mobile toilets and solid waste management	1.5
4	Disinfection and health check up	medical camp	2.0
5	Environmental monitoring	Air, noise monitoring and water and soil analysis	1

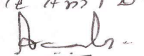
#### b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP	MBBR technology (2), construction and electrical, manpower cost	87.25	28.8
2	Rain water harvesting	pits with bore and internal piping	12	0.35

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

**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

**Page 40 of 146**

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



3	Storm water networking	Piping upto final disposal	30	3.0
4	Solid waste management	Machine	41.00	1.80
5	Landscape	tree plantation	30.91	1.55
6	Energy	Solar water heater, PV cell and LED/T5/CFL	30.08	2.00
7	Environmental monitoring	Air, noisemonitoring and water soil analysis	0	1.6
8	Safety and training	Fire fighting training	9	0
9	Water supply in case of shortage of water	Water tanker	0	15

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

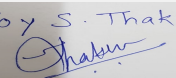
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 52.Any Other Information

No Information Available

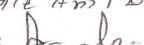
### 53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1
<b>Parking details:</b>	Number and area of basement:	1 Basement 7921 sqm
	Number and area of podia:	2 Podium area (10644+7921)
	Total Parking area:	26486
	Area per car:	35 and 30
	Area per car:	35 and 30
	Number of 2-Wheelers as approved by competent authority:	1196
	Number of 4-Wheelers as approved by competent authority:	788
	Public Transport:	NA
Width of all Internal roads (m):	6 m	

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

**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

Page 41  
of 146

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

	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	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	22-12-2016

## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summarised in brief information of Project as below.

### Brief information of the project by SEAC

**Environment Clearance for Application for environmental clearance for Expansion of Ganga Platino project at S. No. 60/1/2, Kharadi by Goel Eisha Capitals.**

PP submitted their application for modernization of earlier Environmental clearance for total plot area of 39000.00 Sq. Mtrs, BUA of 96458 Sq. Mtrs and FSI area of 46845.24 Sq. Mtrs. PP proposes to construct 7 no. of residential & commercial building +1 club house.

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: 72 Meeting Date: October 2, 2018</b>	<b>Page 42 of 146</b>	<b>Name: Kote Anil D.</b>  <b>Signature: Shri. Anil Kale (Chairman SEAC-III)</b>
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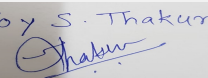
**PP requested for time to submit above information; after deliberations committee asked PP to comply with the above observations and submit information to the committee for further discussion and consideration of SEAC.**

**Specific Conditions by SEAC:**

- 1) PP to submit JV documents of viva & Ganga plantino.
- 2) PP to submit a copy of master layout plan showing for which EC requested.
- 3) PP to submit an undertaking regarding all environmental parameters are as per earlier EC.
- 4) PP to submit a proper plan of mitigation measures to avoid inconvenience to existing occupants due to proposed development.
- 5) PP to submit a statement regarding RG area of individual plot
- 6) PP to submit fire tender movement plan.
- 7) PP to submit cross section of roads at four places including UGT, OWC and DG set location showing clear road width 6 meter, 1.5 meter distance left from building line & spaces left for plantation, parking, service lines, foot paths, etc.
- 8) PP to submit parking layout plan for all building.
- 9) PP to submit parking statement as per norms.
- 10) PP to submit STP performance report.
- 11) PP to submit basement approved plan.
- 12) PP to submit revised hydrogeological report considering aquifer & RWH details
- 13) PP to submit details of UGT with proper section.
- 14) PP to obtain and submit following NOC's: a) CFO NOC, b) Water supply NOC with quantity, c) Drainage NOC, d) Non-biodegradable waste disposal.
- 15) PP to submit details of CER activities in consultation with the affected people in the project area as per MoEF & CC circular dated 1/05/2018. With details of fund utilization & agreement or consent of executor.
- 16) PP to submit energy saving calculation along with terrace area calculations.

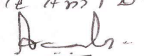
**FINAL RECOMMENDATION**

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

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

SEAC Meeting No: 72 Meeting Date: October 2,  
2018

Page 43  
of 146

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

## 72 nd Meeting of SEAC-3 (Day-3)

**SEAC Meeting number: 72 Meeting Date October 2, 2018**

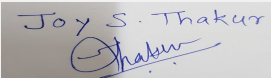
**Subject:** Environment Clearance for Application for Environmental clearance for expansion of residential and commercial construction project Tuscan Estate

**Is a Violation Case:** No

1.Name of Project	Tuscan Estate
2.Type of institution	Private
3.Name of Project Proponent	Tuscan Real Estate Pvt. Ltd.
4.Name of Consultant	Not required
5.Type of project	Housing
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	Previous EC no. SEAC-2211/C.R. 925/ TC 11, dated 17 April 2015
8.Location of the project	S. no. 40, Kharadi, Pune
9.Taluka	Haveli
10.Village	Kharadi
11.Area of the project	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Full potential IOD In process
	<b>IOD/IOA/Concession/Plan Approval Number:</b> Not applicable
	<b>Approved Built-up Area:</b> 113896
13.Note on the initiated work (If applicable)	As per previous EC
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	51700 sqm
16.Deductions	19488.58 sqm
17.Net Plot area	32211.42 sqm
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 57804.68 sqm
	b) Non FSI area (sq. m.): 62787 sqm
	c) Total BUA area (sq. m.): 120591.68
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.):
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	16345
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	31.61
21.Estimated cost of the project	3200000000

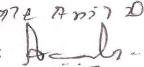
### 22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A1 building (1 no.)	2B + 21	66.65 m
2	A2 building (1 no.)	2B + 22	69.95 m
3	A3 building (1 no.)	2B + 22	69.95 m
4	B1 building (1 no.)	LP + UP +11	35.55 m
5	B2 building (1 no.)	LP + UP +11	35.55 m

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

**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

**Page 44 of 146**

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

6	B3 building (1 no.)	LP + UP +11	35.55 m
7	B4 building (1 no.)	LP + UP +11	35.55 m
8	B5 building (1 no.)	LP + UP +11	35.55 m
9	C1 building (1 no.)	2B+15	45 m
10	C2 building (1 no.)	2B+15	45 m
11	1 play school	G + 1	7.9 m
12	Clubhouse	G + 1	7 m

<b>23.Number of tenants and shops</b>	Residential: 519 Commercial: 1 play school
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<b>24.Number of expected residents / users</b>	Residential: 2595 ; Commercial: 100
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<b>25.Tenant density per hectare</b>	106
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<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 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>	9 m
--	-----

<b>29.Existing structure (s) if any</b>	5 (B1 to B5) Buildings are constructed and other 2 (A1, A2 building) for 22 floors completed internal finishing are in process as per previous EC
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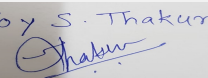
<b>30.Details of the demolition with disposal (If applicable)</b>	Not applicable
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### 31.Production Details

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

### 32.Total Water Requirement

Dry season:	Source of water	PMC								
	Fresh water (CMD):	236 KLD								
	Recycled water - Flushing (CMD):	119 KLD								
	Recycled water - Gardening (CMD):	47 KLD								
	Swimming pool make up (Cum):	4.5 KLD								
	Total Water Requirement (CMD) :	402 KLD								
	Fire fighting - Underground water tank(CMD):	500 KLD								
	Fire fighting - Overhead water tank(CMD):	Phase I: 22000 lit/ building; Phase II: 20,000 lit/ building								
	Excess treated water	165 KLD								
Wet season:	Source of water	PMC								
	Fresh water (CMD):	236 KLD								
	Recycled water - Flushing (CMD):	119 KLD								
	Recycled water - Gardening (CMD):	0								
	Swimming pool make up (Cum):	4.5 KLD								
	Total Water Requirement (CMD) :	355 KLD								
	Fire fighting - Underground water tank(CMD):	500 KLD								
	Fire fighting - Overhead water tank(CMD):	Phase I: 22000 lit/ building; Phase II: 20,000 lit/ building								
	Excess treated water	212 KLD								
Details of Swimming pool (If any)	Dimension of swimming pool: 25.1 m x 5.1 m x 1.2 m Total water requirement: 153 KLD Water requirement for makeup: 4.5 KLD									
<b>33.Details of Total water consumed</b>										
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)			
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total	
Water Requirement										
Domestic	0	236	236	0	10	10	0	331	331	
Gardening	0	47	47	0	47	47	0	0	0	

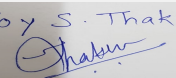
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**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

**Page 46 of 146**

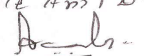
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**Shri. Anil Kale (Chairman SEAC-III)**

<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	7-8 m below ground level
	<b>Size and no of RWH tank(s) and Quantity:</b>	2 no. Phase I: 1.2 x 6.0 m x 2.40 m; Phase II: 3.5 m x 3.5 m x 2.4 m
	<b>Location of the RWH tank(s):</b>	Please refer layout
	<b>Quantity of recharge pits:</b>	2 nos. with recharge bore well
	<b>Size of recharge pits :</b>	Please refer layout
	<b>Budgetary allocation (Capital cost) :</b>	Rs 10.50 lakh
	<b>Budgetary allocation (O &amp; M cost) :</b>	Rs 0.5 lakh/ annum
	<b>Details of UGT tanks if any :</b>	Domestic UGT: 399 cum Flushing UGT: 85 cum from treated waste water tank of STP Fire UGT: 500 cum
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	As per contour through nala
	<b>Quantity of storm water:</b>	36190 KL/year
	<b>Size of SWD:</b>	200 mm to 300 mm
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	331 KLD
	<b>STP technology:</b>	FAB
	<b>Capacity of STP (CMD):</b>	1 no. 400 KLD capacity
	<b>Location &amp; area of the STP:</b>	Please refer layout
	<b>Budgetary allocation (Capital cost):</b>	Rs 120 lakhs
	<b>Budgetary allocation (O &amp; M cost):</b>	Rs 34 lakhs/annum
<b>36.Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	Debris, topsoil/rock
	<b>Disposal of the construction waste debris:</b>	land filling and landscaping
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	464 kg/day
	<b>Wet waste:</b>	745 kg/day
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	29 kg/day
	<b>Others if any:</b>	E-waste: 519 kg/year

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

SEAC Meeting No: 72 Meeting Date: October 2,  
 2018

Page 47  
 of 146

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

<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Through authorized vendor
	<b>Wet waste:</b>	Mechanized composting unit
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	As manure
	<b>Others if any:</b>	E-waste: Through authorized vendor
<b>Area requirement:</b>	<b>Location(s):</b>	Please refer layout
	<b>Area for the storage of waste &amp; other material:</b>	Phase I: 8.82 cum; Phase II: 22.30 cum
	<b>Area for machinery:</b>	Phase I: 23.45 cum; Phase II: 77.5 cum
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs 12 lakh
	<b>O &amp; M cost:</b>	Rs 8.5 lakh/ annum

### 37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	NA	6.5-8.5	5.5-9.0	NA
2	Oil and grease	mg/l	10-20	<10	NA
3	BOD	mg/l	200-250	<10	not to exceed 10
4	COD	mg/l	350-400	<60	not to exceed 100
5	TSS	mg/l	150-200	<10	not to exceed 50
6	Total nitrogen	mg/l	120	<50	NA
7	Nitrate	mg/l	15-16	<10	NA
8	Dissolved phosphorus	mg/l	13-15	<5	NA
9	Fecal coliform	mg/l	10000000	Nil	NA

Amount of effluent generation (CMD): Not applicable

Capacity of the ETP: Not applicable

Amount of treated effluent recycled : Not applicable

Amount of water send to the CETP: Not applicable

Membership of CETP (if require): Not applicable

Note on ETP technology to be used Not applicable

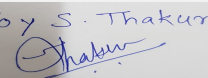
Disposal of the ETP sludge Not applicable

### 38. Hazardous Waste Details

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

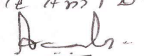
### 39. Stacks emission Details

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

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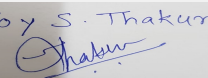
SEAC Meeting No: 72 Meeting Date: October 2, 2018

Page 48 of 146

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

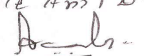


1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>40.Details of Fuel to be used</b>						
<b>Serial Number</b>	<b>Type of Fuel</b>	<b>Existing</b>	<b>Proposed</b>	<b>Total</b>		
1	Not applicable	Not applicable	Not applicable	Not applicable		
41.Source of Fuel		Not applicable				
42.Mode of Transportation of fuel to site		Not applicable				
<b>43.Green Belt Development</b>	<b>Total RG area :</b>	4524.74 sqm				
	<b>No of trees to be cut :</b>	NA				
	<b>Number of trees to be planted :</b>	456				
	<b>List of proposed native trees :</b>	As per below list				
	<b>Timeline for completion of plantation :</b>	1 year				
<b>44.Number and list of trees species to be planted in the ground</b>						
<b>Serial Number</b>	<b>Name of the plant</b>	<b>Common Name</b>	<b>Quantity</b>	<b>Characteristics &amp; ecological importance</b>		
1	Ailanthus excelsa	Maharukh	17	Medicinal use		
2	Alstonia scholaris	Satvin	17	Ayurvedic medicine to treat fever, malaria, troubles in digestion, tumors, ulcers, asthma, and so forth. The leaves and the latex are applied externally to treat tumors.		
3	Anthocephalus cadamba	Kadamb	15	Medicinal use - Used in preparartion of perfumes		
4	Azadirachta indica	Neem	21	Medicinal use - Used in Anthelmintic, antifungal, antidiabetic, antibacterial, antiviral, contraceptive, and sedative.		
5	Bauhinia purpurea	Raktakanchan	20	Medicinal use -Bark acts as an astringent in diarrhoea; its decoction is used as a wash in ulcers.		
6	Bauhinia atimentosa	Piwala Kanchan	15	Medicinal use -Its bark is rubbed on the affected area to cure Wounds and Ulcers. A decoction prepared from its bark is used for gargling to treat Oral Problems like Sore Throat.		
7	Bombax ceiba	Kate sawar	11	Medicinal use - Used in treatment of gastrointestinal disorders like dysentery and diarrhea.		
8	Butea monosperma	Palas	26	Medicinal uses - Is helpful to cure different health problems of eyes, skin etc		
9	Cassia fistula	Bahawa	20	Medicinal use - is widely used tonic that helps in reducing fever.		

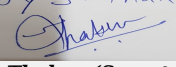
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**Joy S.Thakur (Secretary SEAC-III)**

**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

**Page 49 of 146**


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

10	Erythrina indica	Pangara	18	Medicinal use - It is used for treating intestinal worms, anorexia, cholesterol imbalance etc
11	Ficus retusa	Nandruk	24	The latex has been used to produce rubber
12	Gmelia arborea	Shivan	21	Medicinal uses - improve appetite, useful in hallucination, piles, abdominal pains, burning sensations, fevers, 'tridosha' and urinary discharge. Leaf paste is applied to relieve headache and juice is used as wash for ulcers.
13	Khaya grandis	Mahagony	12	Medicinal and agroforestry use. Used in pharmaceutical industry. Extracts from the plant contains pesticidal properties.
14	Lagerstromia speciosa	Flosreginae	34	Medicinal use in diabetes and kidney diseases
15	Michelia champaca	Sonchafa	20	Famous for its fragrant flowers. Its flowers and stem bark are useful in diabetes, quick wound healing, cardiac disorders, gout, dysuria and more.
16	Mimusops elengi	Bakul	21	Ayurvedic uses - It is mainly used for dental ailments such as bleeding gums, pyorrhea, dental caries, and loose teeth.
17	Murraya paniculata	Kunti	25	Medicinal use - It is valued especially for its essential oil and used in medicine as an analgesic.
18	Pongamia pinnata	Karanj	24	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.
19	Putranjiva roxburghii	Putranjiva	10	This Ayurvedic Plant is used for the for the treatment of eye disorders, burning sensation, elephantiasis, difficulty in micturition, azoospermia and habitual abortions.
20	Salix tetrasperma	Walunja	20	Medicinal use - Leaves and bark used as remedy for aches and fever. - Decoction of leaf and root used for whooping cough in children. - Paste of both leaf and root used externally for scorpion stings, bug bites, sores and warts.
21	Samantiasaman	Raintree	23	Rain tree is a traditional remedy for colds, diarrhea, headache, intestinal ailments and stomachache
22	Saraca ashok	Sita ashok	14	Important Ayurvedic plant
23	Terminalia arjuna	Arjun	28	Fruit tree

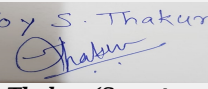
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**Joy S. Thakur (Secretary SEAC-III)**

**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

**Page 50 of 146**


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

45.Total quantity of plants on ground			
<b>46.Number and list of shrubs and bushes species to be planted in the podium RG:</b>			
Serial Number	Name	C/C Distance	Area m2
1	NA	NA	NA
<b>47.Energy</b>			
<b>Power requirement:</b>	Source of power supply :	MSEDCL	
	During Construction Phase: (Demand Load)	125 KW	
	DG set as Power back-up during construction phase	62.5 KVA	
	During Operation phase (Connected load):	3895 KW	
	During Operation phase (Demand load):	2338 KW	
	Transformer:	630 KVA x 3	
	DG set as Power back-up during operation phase:	150 KVA x 1; 125 KVA x 1; 250 KVA x 1	
	Fuel used:	Diesel	
	Details of high tension line passing through the plot if any:	NA	
<b>48.Energy saving by non-conventional method:</b>			
CFL, LED, Solar energy for street and common area lighting			
<b>49.Detail calculations &amp; % of saving:</b>			
Serial Number	Energy Conservation Measures	Saving %	
1	Solar water heater	489465 units/annum	
2	LED for common lighting	62108.40 KWH/annum	
<b>50.Details of pollution control Systems</b>			
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:	Rs 56.5 lakh	
	O & M cost:	Rs 1 lakh/annum	
<b>51.Environmental Management plan Budgetary Allocation</b>			
<b>a) Construction phase (with Break-up):</b>			
Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)

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

SEAC Meeting No: 72 Meeting Date: October 2, 2018

Page 51 of 146

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

1	Erosion control	Dust suppression measures and barricading	12
2	Site safety	Safety equipments, sign boards for workers	18
3	Site sanitation	Mobile toilets, treatment of water and waste water	4
4	Disinfection and health check up	Mobile toilets for workers, pesticide spraying, disinfection of surrounding area for workers	1
5	Environmental monitoring	Air, water, noise, soil analysis	1

**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 and operation	120	34
2	Solid waste management	OWC-installation and operation	12	8.25
3	Rain water harvesting	Internal piping	10.5	0.5
4	Green belt development	Plantation of trees; maintenance of trees and lawn	46.5	16.5
5	WTP	Installation and operation	6.5	5
6	Swimming pool	construction and operation	40	2.5
7	Storm water networking	upto final disposal	53.5	1
8	Non conventional energy	Installation and operation	56.5	1
9	EMP monitoring	Air, water, noise, soil analysis	0	4
10	Water tanker	In case of emergency	0	8.64
11	Safety awareness and training	Fire training, mock drill	9	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**

 <b>Joy S.Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 72 Meeting Date: October 2, 2018</b>	<b>Page 52 of 146</b>	<b>Name: K. Anil Kale</b>  <b>Shri. Anil Kale (Chairman SEAC-III)</b>
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No Information Available

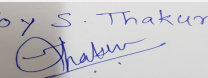
### 53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1
Parking details:	Number and area of basement:	2 no. Area:16657 sqm
	Number and area of podia:	10500 sqm
	Total Parking area:	32690 sqm
	Area per car:	30 sqm and 35 sqm
	Area per car:	30 sqm and 35 sqm
	Number of 2-Wheelers as approved by competent authority:	1040
	Number of 4-Wheelers as approved by competent authority:	640
	Public Transport:	NA
	Width of all Internal roads (m):	6 m and 9 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	category 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

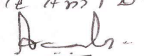
Summarised in brief information of Project as below.

### Brief information of the project by SEAC

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

**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

**Page 53 of 146**

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

**Environment Clearance for Application for Environmental clearance for expansion of residential and commercial construction project Tuscan Estate at S. no. 40, Kharadi, Pune by Tuscan Real Estate Pvt. Ltd.**

PP submitted their application for modernization of earlier Environmental clearance for total plot area of 51700.00 Sq. Mtrs, BUA of 120591.68 Sq. Mtrs and FSI area of 57804.68 Sq. Mtrs. PP proposes to construct 10 no. of residential buildings +1 play school+1 club house.

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**

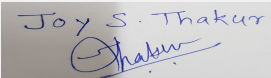
***PP requested for time to submit above information; after deliberations committee asked PP to comply with the above observations and submit information to the committee for further discussion and consideration of SEAC.***

**Specific Conditions by SEAC:**

- 1) PP to submit comparative statement considering parking area.
- 2) PP to submit disaster management plan.
- 3) PP to submit details of CER activities in consultation with the affected people in the project area as per MoEF & CC circular dated 1/05/2018. With details of fund utilization & agreement or consent of executor.
- 4) PP to submit waste management plan details with its transport, collection, storage and disposal for all types of wastes like hazardous waste, non-hazardous waste, solid waste, E- waste,
- 5) PP to submit debris/excess earth disposal plan with NOC from concern agency.
- 6) PP to submit STP details as per earlier EC.
- 7) PP to submit revised RG plan.
- 8) PP to submit a proper plan of mitigation measures to avoid inconvenience to existing occupants due to phase wise development.
- 9) PP to obtain and submit following NOC's: a) CFO NOC, b) Water supply NOC with quantity, c) Drainage NOC, d) Non-biodegradable waste disposal.
- 10) PP to submit NOC/Consent from existing residence.
- 11) PP to submit revised list of trees i.e. local species trees.
- 12) PP to submit all six monthly compliance reports.
- 13) PP to submit parking plan.

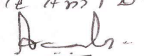
**FINAL RECOMMENDATION**

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

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

**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

**Page 54 of 146**

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

## 72 nd Meeting of SEAC-3 (Day-3)

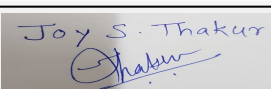
**SEAC Meeting number: 72 Meeting Date October 2, 2018**

**Subject:** Environment Clearance for "Bhoirwadi Plot A1" Proposed Group Housing Scheme on S. No. 41/6 Plot A1 at Bhoirwadi, Taluka Mulshi Dist. Pune 411057 by M/s. Rama Synergy Spaces.

**Is a Violation Case:** No

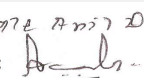
<b>1.Name of Project</b>	"Bhoirwadi Plot A1" Proposed Group Housing Scheme on S. No. 41/6 Plot A1 at Bhoirwadi, Taluka Mulshi Dist. Pune 411057
<b>2.Type of institution</b>	Private
<b>3.Name of Project Proponent</b>	Mr. Jitendra Sunderdas Punjabi. M/s. Rama Synergy Spaces.
<b>4.Name of Consultant</b>	VK environment LLP
<b>5.Type of project</b>	Residential project. (Group Housing Scheme)
<b>6.New project/expansion in existing project/modernization/diversification in existing project</b>	Not applicable
<b>7.If expansion/diversification, whether environmental clearance has been obtained for existing project</b>	Not applicable
<b>8.Location of the project</b>	S. No. 41/6 Plot A1 at Bhoirwadi, Taluka Mulshi Dist. Pune 411057
<b>9.Taluka</b>	Mulshi
<b>10.Village</b>	Bhoirwadi
<b>Correspondence Name:</b>	Mr. Jitendra Sunderdas Punjabi. M/s. Rama Synergy Spaces.
<b>Room Number:</b>	Rama Group,
<b>Floor:</b>	10th Floor,
<b>Building Name:</b>	Rama Equator
<b>Road/Street Name:</b>	Near Samrat Chowk
<b>Locality:</b>	Near Samrat Chowk
<b>City:</b>	Pune - 411018.
<b>11.Area of the project</b>	PMRDA
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	In process
	<b>IOD/IOA/Concession/Plan Approval Number:</b> In process
	<b>Approved Built-up Area:</b>
<b>13.Note on the initiated work (If applicable)</b>	In process
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	In process
<b>15.Total Plot Area (sq. m.)</b>	21,025.92 sq mt
<b>16.Deductions</b>	2,107.87 sq m for open space.
<b>17.Net Plot area</b>	18,918.05 sq mt
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> 28322.72
	<b>b) Non FSI area (sq. m.):</b> 34455.80
	<b>c) Total BUA area (sq. m.):</b> 62778
<b>18 (b).Approved Built up area as per DCR</b>	<b>Approved FSI area (sq. m.):</b> NA
	<b>Approved Non FSI area (sq. m.):</b> NA
	<b>Date of Approval:</b> 04-07-2018
<b>19.Total ground coverage (m2)</b>	3244.78 sq. m.
<b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>	17.15% (of Net Plot area)
<b>21.Estimated cost of the project</b>	1130220000

## 22.Number of buildings & its configuration

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

**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

**Page 55  
of 146**

**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	Building A	P+14	44.85
2	Building B	P+14	44.85
3	Building C	LP+UP+14	44.85
4	Building D	P+14	44.85
5	Building E	P+10	32.85
6	Building F	G+0	4.95
7	Parking Building	LP+UP+3	12.15

23.Number of tenants and shops	499 Flats Shops: 11
24.Number of expected residents / users	Residential: 2495, Commercial: 212
25.Tenant density per hectare	1187
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	15m
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

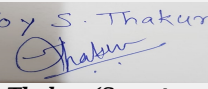
 <b>Joy S.Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 72 Meeting Date: October 2, 2018</b>	<b>Page 56 of 146</b>	<b>Name: K 072 Anil D.</b>  <b>Signature: Shri. Anil Kale (Chairman SEAC-III)</b>
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Dry season:	Source of water	Irrigation Department							
	Fresh water (CMD):	229							
	Recycled water - Flushing (CMD):	118 KLD							
	Recycled water - Gardening (CMD):	28 KLD							
	Swimming pool make up (Cum):	1 KLD							
	Total Water Requirement (CMD) :	376							
	Fire fighting - Underground water tank(CMD):	200 KLD for all buildings							
	Fire fighting - Overhead water tank(CMD):	5 KLD for each building							
	Excess treated water	151 kld							
Wet season:	Source of water	Irrigation Department							
	Fresh water (CMD):	229							
	Recycled water - Flushing (CMD):	118 KLD							
	Recycled water - Gardening (CMD):	0							
	Swimming pool make up (Cum):	0.5 KLD							
	Total Water Requirement (CMD) :	348							
	Fire fighting - Underground water tank(CMD):	200 KLD for all buildings							
	Fire fighting - Overhead water tank(CMD):	5 KLD for each building							
	Excess treated water	179 kld							
Details of Swimming pool (If any)	<p>Volume of Swimming pool : 126.32 m3  Water requirement for make up : 1 kld  Details of Plant &amp; Machinery used for treatment of Swimming Pool water:  Quality to be achieved for swimming pool water :Parameters to be monitored :The below parameters of the swimming pool water after treatment will be maintained as follows:  Total Chlorine : Less than 1.5 PPM.  pH : 7.2 to 7.4</p> <p>Budgetary Allocation per annum.</p> <p>Capital cost Rs. 6,22,648.48 /-  O &amp; M cost Rs. 9300/- per month</p>								


### 33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Water Requirement									

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

**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

**Page 57 of 146**

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

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>	Post monsoon water level 6.5 m bgl Pre monsoon water level 7.5 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>	1m x 1m x and 4m below storm-water inlet level with 60 m bore well							
	<b>Budgetary allocation (Capital cost) :</b>	5,05,000/-							
	<b>Budgetary allocation (O &amp; M cost) :</b>	55,000/-							
	<b>Details of UGT tanks if any :</b>	2,00,000 ltrs = Fire 2,39,500 ltrs = Domestic Water 44,000 ltrs = Drinking Water 60,000 ltrs = Raw water							
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	The storm water collected through the storm water drains of adequate capacity will be led to recharge & Overflow/surplus water from the recharge pit will be discharged into storm water Nala.							
	<b>Quantity of storm water:</b>	14.335 m <sup>3</sup> /minute							
	<b>Size of SWD:</b>	600 mm							
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	Waste water 295 KLD							
	<b>STP technology:</b>	MBBR							
	<b>Capacity of STP (CMD):</b>	312 KLD							
	<b>Location &amp; area of the STP:</b>	On ground							
	<b>Budgetary allocation (Capital cost):</b>	1,15,000,00/-							
	<b>Budgetary allocation (O &amp; M cost):</b>	23,000,00/-							
<b>36.Solid waste Management</b>									
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	From labors 20 kg/day.							
	<b>Disposal of the construction waste debris:</b>	The construction waste generated during construction shall be segregated, reused on site and surplus shall be led to scrap dealers for recycling.							
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	530.8 kg							
	<b>Wet waste:</b>	769.7 kg							
	<b>Hazardous waste:</b>	NA							
	<b>Biomedical waste (If applicable):</b>	NA							
	<b>STP Sludge (Dry sludge):</b>	15 kg/day							
	<b>Others if any:</b>	E-waste- 4 kg/day							
Joy S.Thakur (Secretary SEAC-III)		SEAC Meeting No: 72 Meeting Date: October 2, 2018				Page 56 of 146		Smt. Anil Kate (Chairman SEAC-III)	

<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 Waster Converter (OWC)
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	Dried sludge form STP will be used in manure.
	<b>Others if any:</b>	E waste will be given to authorized recycler
<b>Area requirement:</b>	<b>Location(s):</b>	On ground
	<b>Area for the storage of waste &amp; other material:</b>	40 sqm
	<b>Area for machinery:</b>	24 sqm
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	27,75,000/-
	<b>O &amp; M cost:</b>	5,14,558/-

### 37. Effluent Charecterestics

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

### 38. Hazardous Waste Details

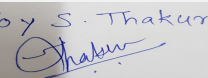
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 39. Stacks emission Details

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

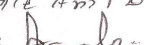
### 40. Details of Fuel to be used

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

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

SEAC Meeting No: 72 Meeting Date: October 2, 2018

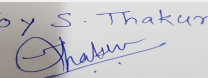
Page 59  
of 146

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

<b>43.Green Belt Development</b>	<b>Total RG area :</b>	2164.00 sqm
	<b>No of trees to be cut :</b>	NA
	<b>Number of trees to be planted :</b>	200
	<b>List of proposed native trees :</b>	Please refer below list.
	<b>Timeline for completion of plantation :</b>	Till operation phase.

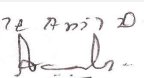
#### 44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Syzygium cumini	Jambhul Tree	08	A large size tree with dense foliage provides shade along roads; wood is water resistant and attracts a variety of birds
2	Caryota urens	Fish Palm tree	23	Fragrant flowers and leaves. Attracts birds and bees. Evergreen tree
3	Nyctanthes arbor-tristis	Parijatak	12	Fragrant flowers and leaves. Attracts birds and bees. Evergreen tree
4	Azadirachta indica	Neem	10	A medium to large size hardy tree which stand in drought conditions. Air Purifying quality Attain a much larger size in dry region
5	Pongamia pinnata	Karanj	20	Large tree good for stopping soil erosion along canal banks
6	Cassia fistula	Bahava	11	Small deciduous tree. Excellent bright flowering tree for arid regions.
7	Ficus benjamina	Weeping Fig	12	Medium sized evergreen tree with elegant appearance and moderate water requirement.
8	Plumeria alba	Champa	16	Ornamental flowering tree
9	Michelia champaca	Sonchapha	12	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant.
10	Polyathia longifolia	Ashoka	07	Large evergreen tree Effective in decreasing noise pollution.
11	Mangifera indica	Mango	10	Large evergreen and fruit bearing tree
12	Albizia lebeck	Shirish	10	Shady, large tree, ball shaped flowers
13	Mimusops elengi	Bakul	14	Fragrant flowers and leaves. Attracts birds and bees. Evergreen tree creates shade
14	Neolamarckia cadamba	Kadamb	10	Fragrant flowers and leaves. Attracts birds and bees. Evergreen tree creates shade

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

**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

**Page 60 of 146**

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

15	Saraca asoca	Sita Ashoka	9	Fragrant flowers and leaves. Attracts birds and bees. Deep green and shiny foliage.
16	Putranjiva roxburghii	Putranjiva	08	Dark green. Shiny leaves. Moderate sized evergreen tree.
17	Peltophorum pterocarpum	Peltophorum	08	Medium sized semi deciduous tree. Attracts birds, butterflies, bees. Spreading crown

**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>	Maharashtra State Electricity Distribution Company Limited
	<b>During Construction Phase: (Demand Load)</b>	115.63 KW
	<b>DG set as Power back-up during construction phase</b>	1 x 250 KVA
	<b>During Operation phase (Connected load):</b>	2709.69 KW
	<b>During Operation phase (Demand load):</b>	1176.90 KW
	<b>Transformer:</b>	2 x 630 KVA + 1 x 315KVA
	<b>DG set as Power back-up during operation phase:</b>	1 x 250 KVA
	<b>Fuel used:</b>	HSD
<b>Details of high tension line passing through the plot if any:</b>	NA	

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

using solar hot water

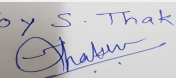
**49.Detail calculations & % of saving:**

Serial Number	Energy Conservation Measures	Saving %
1	using solar hot water	25 liter/flat/day

**50.Details of pollution control Systems**

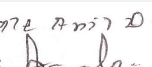
Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	70 lacs
	<b>O &amp; M cost:</b>	6.0 lacs

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

**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

**Page 61 of 146**

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

## 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	Erosion Control- dust suppression measures, barricading and top soil preservation	4.72
2	Land	Labor Camp toilet & sanitation	1
3	Health and safety	Labor Safety Equipment's and train	2
4	Environment	Environmental Monitoring	0.30
5	Health and safety	Disinfection and health checkups	0.45
6	Environmental Management	Environmental Monitoring Cell	1.85

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

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	1 STP	115	23
2	Solid Waste Management	1 OWC	27.75	5.15
3	Landscaping	Development and maintenance of green area	36.65	.28
4	Rain water harvesting	4 pits	5.5	0.55
5	Environmental Monitoring	Air, water, noise, soil, waste water, OWC manure	-	1.85

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

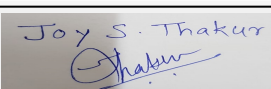
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

## 52.Any Other Information

No Information Available

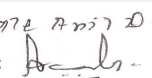
## 53.Traffic Management

	<b>Nos. of the junction to the main road &amp; design of confluence:</b>	Proposed site is located in Bhoirwadi. The road network within the site has been designed to cater to the traffic loads of the project. Internal driveways are 6m wide. Existing access road is 15 m wide
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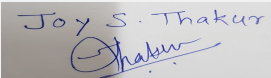
  
**Joy S.Thakur (Secretary SEAC-III)**

**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

**Page 62 of 146**

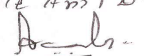
**Name: K. Anil Kale**  
  
**Signature: Shri. Anil Kale (Chairman SEAC-III)**

Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	5360 sqm
	Area per car:	12.5 sqm
	Area per car:	12.5 sqm
	Number of 2-Wheelers as approved by competent authority:	777
	Number of 4-Wheelers as approved by competent authority:	261
	Public Transport:	Nil
	Width of all Internal roads (m):	6 mts
	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 category
	Court cases pending if any	no court case pending
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-
<b>SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS</b>		
Summorisred in brief information of Project as below.		
<b>Brief information of the project by SEAC</b>		

Joy S. Thakur  
  
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**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

**Page 63 of 146**

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

**Environment Clearance for "Bhoirwadi Plot A1" Proposed Group Housing Scheme on S. No. 41/6 Plot A1 at Bhoirwadi, Taluka Mulshi Dist. Pune 411057 by M/s. Rama Synergy Spaces by Mr. Jitendra Sunderdas Punjabi. M/s. Rama Synergy Spaces.**

PP submitted their application for prior Environmental clearance for total plot area of 21025.92Sq. Mtrs, BUA of 62778 Sq. Mtrs and FSI area of 28322.72 Sq. Mtrs. PP proposes to construct 6 no. of residential building + parking building.

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

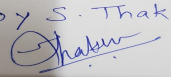
**DECISION OF SEAC**

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

Specific Conditions by SEAC:

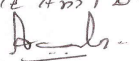
**FINAL RECOMMENDATION**

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

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

SEAC Meeting No: 72 Meeting Date: October 2,  
2018

Page 64  
of 146

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



## 72 nd Meeting of SEAC-3 (Day-3)

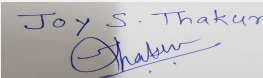
**SEAC Meeting number: 72 Meeting Date October 2, 2018**

**Subject:** Environment Clearance for Proposed Residential Project at S. No. 16/3 Punawale, Tal. Mulshi, Pune. By M/s. Bharat Developers

**Is a Violation Case:** No

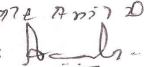
<b>1.Name of Project</b>	Proposed Residential Project at S. No. 16/3 Punawale, Tal. Mulshi, Pune. By M/s. Bharat Developers
<b>2.Type of institution</b>	Private
<b>3.Name of Project Proponent</b>	Mr.Preyesh Deshwani
<b>4.Name of Consultant</b>	Vke:Environmental LLP , Pune
<b>5.Type of project</b>	Residential Project
<b>6.New project/expansion in existing project/modernization/diversification in existing project</b>	Not applicable
<b>7.If expansion/diversification, whether environmental clearance has been obtained for existing project</b>	Not applicable
<b>8.Location of the project</b>	At S. No. 16/3 Punawale, Tal. Mulshi, Pune
<b>9.Taluka</b>	Mulshi
<b>10.Village</b>	Punawale
<b>Correspondence Name:</b>	Mr.Preyesh Deshwani for M/s. Bharat Developers
<b>Room Number:</b>	201
<b>Floor:</b>	NA
<b>Building Name:</b>	Jhamtani Impression
<b>Road/Street Name:</b>	Near Ganesh Hotel
<b>Locality:</b>	Punawale
<b>City:</b>	Pune
<b>11.Area of the project</b>	PCMC
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	Under process
	<b>IOD/IOA/Concession/Plan Approval Number:</b> 00
	<b>Approved Built-up Area:</b> 00
<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>	7550
<b>16.Deductions</b>	For Road widening -353.58 sqm. Balance Plot Area 7196.42sqm. Deductions for -(Open space+Road widening) =1073.22 Sq.mt
<b>17.Net Plot area</b>	6476.78 sqm.
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> 16062.11
	<b>b) Non FSI area (sq. m.):</b> 20836.52
	<b>c) Total BUA area (sq. m.):</b> 36898.63
<b>18 (b).Approved Built up area as per DCR</b>	<b>Approved FSI area (sq. m.):</b> 00
	<b>Approved Non FSI area (sq. m.):</b> 00
	<b>Date of Approval:</b> 06-07-2018
<b>19.Total ground coverage (m2)</b>	1839.11
<b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>	29% (On Net Plot Area)
<b>21.Estimated cost of the project</b>	650000000

## 22.Number of buildings & its configuration

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

**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

**Page 65  
of 146**

**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	A1 BUILDING	3P+11 floors	42.00
2	A2 BUILDING	3P+11 floors	42.00
3	B BUILDING	3P+11 floors	42.00
4	C BUILDING	3P+11 floors	42.00
5	D BUILDING	3P+11 floors	42.00
6	E BUILDING(MHADA)	G+4	14.95
7	Club House	G+1	7.5

23.Number of tenants and shops	Tenements: 243 flats
24.Number of expected residents / users	Residential: 1215
25.Tenant density per hectare	Tenement :322/ 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))	15 mtr wide (Nearest Fire Station (1.82km)-Life Republic Fire Station)
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

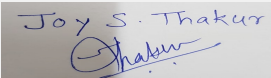
### 31.Production Details

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

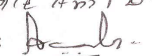
 <b>Joy S.Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 72 Meeting Date: October 2, 2018</b>	<b>Page 66 of 146</b>	<b>Name: K. Anil Kale</b>  <b>Shri. Anil Kale (Chairman SEAC-III)</b>
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Dry season:	Source of water	PCMC							
	Fresh water (CMD):	109							
	Recycled water - Flushing (CMD):	55							
	Recycled water - Gardening (CMD):	6							
	Swimming pool make up (Cum):	NA							
	Total Water Requirement (CMD) :	170							
	Fire fighting - Underground water tank(CMD):	375							
	Fire fighting - Overhead water tank(CMD):	20 Each Building							
	Excess treated water	72 CMD							
Wet season:	Source of water	PCMC							
	Fresh water (CMD):	109							
	Recycled water - Flushing (CMD):	55							
	Recycled water - Gardening (CMD):	00							
	Swimming pool make up (Cum):	NA							
	Total Water Requirement (CMD) :	164							
	Fire fighting - Underground water tank(CMD):	375							
	Fire fighting - Overhead water tank(CMD):	20 Each Building							
	Excess treated water	78 CMD							
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

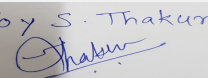
  
**Joy S.Thakur (Secretary SEAC-III)**

**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

**Page 67 of 146**

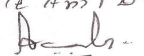
**Name: K. Anil Kale**  
  
**Signature: Shri. Anil Kale (Chairman SEAC-III)**

<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	Post monsoon 4.10 m. bgl, Pre monsoon 8.10 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>	6 Nos.
	<b>Size of recharge pits :</b>	Recharge Pit = 2x2x2 m. , Bore well 0.180 meter diameter and 60 meter depth , silting chamber 1x1x1
	<b>Budgetary allocation (Capital cost) :</b>	RS- 3,09,000/-
	<b>Budgetary allocation (O &amp; M cost) :</b>	RS-30,000/-
	<b>Details of UGT tanks if any :</b>	NA
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	The storm water drainage will be designed according to contours. The storm water collected through the storm water drains of adequate capacity will be led to recharge pits.
	<b>Quantity of storm water:</b>	436.36 m3/hr
	<b>Size of SWD:</b>	450 mm
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	148
	<b>STP technology:</b>	Constructed Wetland Technology
	<b>Capacity of STP (CMD):</b>	150
	<b>Location &amp; area of the STP:</b>	On Ground
	<b>Budgetary allocation (Capital cost):</b>	Rs- 75,00,000/-
	<b>Budgetary allocation (O &amp; M cost):</b>	Rs- 5,00,000/-
<b>36.Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	20 (Wet+Dry)
	<b>Disposal of the construction waste debris:</b>	The entire construction waste will be used within the site for leveling purposes and base course preparation of internal approach roads.
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	243 kg/day
	<b>Wet waste:</b>	365 kg/day
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	NA
	<b>Others if any:</b>	E-Waste = 608 kg/year

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

**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

**Page 68 of 146**

**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 treated in onsite organic waste converter (OWC)
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	NA
	<b>Others if any:</b>	E-waste- Will be handed over to authorized recycler for further handling & disposal purpose
<b>Area requirement:</b>	<b>Location(s):</b>	On Ground
	<b>Area for the storage of waste &amp; other material:</b>	12 sqm.
	<b>Area for machinery:</b>	30 sqm.
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs. 12,75,000/-
	<b>O &amp; M cost:</b>	Rs. 2,68,272/-

### 37. Effluent Characteristics

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

### 38. Hazardous Waste Details

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

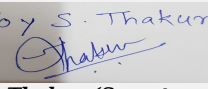
### 39. Stacks emission Details

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

### 40. Details of Fuel to be used

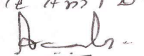
Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable

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

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**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

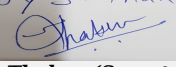
**Page 69 of 146**

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

<b>43.Green Belt Development</b>	<b>Total RG area :</b>	719.64 sqm.
	<b>No of trees to be cut :</b>	NA
	<b>Number of trees to be planted :</b>	Required Trees: 90 nos, Provided Trees : 112 nos.
	<b>List of proposed native trees :</b>	Refer Below list :
	<b>Timeline for completion of plantation :</b>	Till 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	Cassia Fistula	Amaltas	24	Medium Sized deciduous Tree . A beautiful tree for small garden.
2	Millingtonia Hortensis	Buch	05	Medium sized evergreen tree . Attract birds to its fragrant flowers
3	Mimusops elengi	Bakul	04	Large sized evergreen tree .The flowers are a key source for some of the nesting space for birds .
4	Neolamarkia Kadamb	Kadamb	05	Large sized deciduous tree .it attracts butterfly.
5	Albizia Lebeck	Siris	04	Large sized deciduous tree .The tree has a graceful appearance and beautiful foliage .
6	Bauhinia variegata	Kachnar	12	Small Sized deciduous tree. It is suitable for road side planting.
7	Manilkara Zopato	Chikoo	05	Medium Sized deciduous Tree .It is suitable for planting along the road
8	Putranjiva Roxburghii	Putranjiva	17	Medium Sized evergreen Tree. A good avenue tree for medium-sized road.
9	Pongamia pinnata	Indian Beech Tree	10	Tree is well suited. To intense heat and sunlight and its network of lateral route makes its draught tolerant
10	Peltophorum	Copper Pod	05	It is deciduous tree growing to 15-25m. Tall tree. The tree has graceful appearance and beautiful foliage and yellow flowers.
11	Delonix regia	Gulmohar	06	It is deciduous tree growing to 10-15m. The wood is mainly used for fuel.
12	Azadiracta Indica	Neem	05	Neem is fast growing tree that can reach a height of 15-20m.It is deciduous tree and the branches are wide and spreading . Good for air purification
13	Grevillea robusta	Silver Oak	05	Its leaves produce an alleopathic substance that inhibits the establishment and development of native species .It is one of the most important trees for agroforestry

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

**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

**Page 70 of 146**

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

14	Swietenia macrophylla	Mahogany	05	It is a medium sized semi-evergreen tree growing . Very rare due to harvesting.It is regarded as the worlds finest timber for high-class furniture and cabinet work. It is grown as an ornamental trees in various parts of india
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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	Medium shrubs	0.45m	585 no.s
2	Large shrubs	0.90m	150 no.s

**47.Energy**

<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	15 kW
	<b>DG set as Power back-up during construction phase</b>	20 KVA
	<b>During Operation phase (Connected load):</b>	1613 KVA
	<b>During Operation phase (Demand load):</b>	819 KVA
	<b>Transformer:</b>	1 No. Of 630 kVA + 1 No. Of 315 kVA
	<b>DG set as Power back-up during operation phase:</b>	1 DG set of 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:**

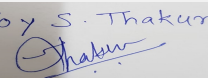
Total Energy Saving : i.e.386.92 KW ( 19.87 % Savings)  
 Energy saving due to solar :i.e.322.50KW (19.72 % Savings)

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

Serial Number	Energy Conservation Measures	Saving %
1	Energy saved using LED	20.56
2	Energy saved from External Lighting	1.86

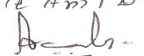
**50.Details of pollution control Systems**

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

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 Joy S.Thakur (Secretary SEAC-III)

**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

Page 71  
 of 146

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

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs. 9,54,800/-
	<b>O &amp; M cost:</b>	Rs. 47,740/-

## 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	Erosion control - dust suppression measures, barricading and top soil preservation	1.2
2	Land	Labour Camp toilets & sanitation	2.40
3	Health and Safety	Labour Safety Equipments and training	4.0
4	Facility	Disinfection and Health Check-ups	0.51
5	Environment Management	Environmental Monitoring	1.85

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

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	Engineered Constructed Wetland (ECW)	70	5
2	Solid Waste Management	Solid Waste Management	12.75	2.68
3	Landscaping	Development and Maintenance	1.13	0.11
4	Rain Water Harvesting	Recharge pits with bore well	3.09	0.30
5	Energy Saving	Energy Saving Features	9.54	0.47
6	Environmental Monitoring	-	-	0.84

## 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

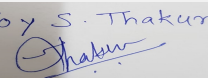
No Information Available

### 53.Traffic Management

 <b>Joy S.Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 72 Meeting Date: October 2, 2018</b>	<b>Page 72 of 146</b>	<b>Name: K 072 Anil K</b> <b>Signature: Anil K</b> <b>Shri. Anil Kale (Chairman SEAC-III)</b>
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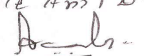


	<b>Nos. of the junction to the main road &amp; design of confluence:</b>	The project is in Punewale, with the internal roads of 6m having turning radius of 9 m.
<b>Parking details:</b>	<b>Number and area of basement:</b>	NA
	<b>Number and area of podia:</b>	NA
	<b>Total Parking area:</b>	7170 sq.m.
	<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>	486 nos.
	<b>Number of 4-Wheelers as approved by competent authority:</b>	198 nos.
	<b>Public Transport:</b>	NA
	<b>Width of all Internal roads (m):</b>	6 m. wide internal road is provided and 9 m. Turning radius will be provided.
	<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>	8a Building Construction Project
	<b>Court cases pending if any</b>	NA
	<b>Other Relevant Informations</b>	The project is situated in Punawale, with 6 buildings and a club house having 243 tenaments.
	<b>Have you previously submitted Application online on MOEF Website.</b>	No
	<b>Date of online submission</b>	-
<b>SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS</b>		
Summorisred in brief information of Project as below.		
<b>Brief information of the project by SEAC</b>		

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

**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

**Page 73 of 146**

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

**Environment Clearance for Proposed Residential Project at S. No. 16/3 Punawale, Tal. Mulshi, Pune. By M/s. Bharat Developers.**

PP submitted their application for prior Environmental clearance for total plot area of 7550.00 Sq. Mtrs, BUA of 36898.63Sq. Mtrs and FSI area of 16062.11 Sq. Mtrs. PP proposes to construct 6 no. of residential buildings +1 club house.

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**

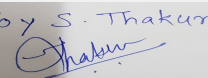
***PP requested for time to submit above information; after deliberations committee asked PP to comply with the above observations and submit information to the committee for further discussion and consideration of SEAC.***

**Specific Conditions by SEAC:**

- 1) PP to submit CFO NOC.
- 2) PP to submit NOC for sustainable water supply and Tanker agreement.

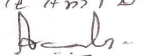
**FINAL RECOMMENDATION**

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

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Joy S. Thakur (Secretary  
SEAC-III)

SEAC Meeting No: 72 Meeting Date: October 2,  
2018

Page 74  
of 146

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

## 72 nd Meeting of SEAC-3 (Day-3)

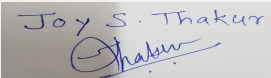
**SEAC Meeting number: 72 Meeting Date October 2, 2018**

**Subject:** Environment Clearance for Proposed Residential & Commercial project at S no. 131/1, CTS no. 4711, Hadapsar, Pune by M/s. Wellwisher Apartment

**Is a Violation Case:** No

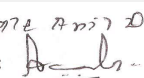
<b>1.Name of Project</b>	Proposed Residential & Commercial project at S no. 131/1, CTS no. 4711, Hadapsar, Pune by M/s. Wellwisher Apartment
<b>2.Type of institution</b>	Private
<b>3.Name of Project Proponent</b>	Mr. Abhijeet Bhansali
<b>4.Name of Consultant</b>	J M EnviroNet Pvt Ltd (Ms. Sayali Jagtap-EIA Coordinator-9960159156)
<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. 131/1, CTS no. 4711, Hadapsar, Pune
<b>9.Taluka</b>	Haveli
<b>10.Village</b>	Hadapsar
<b>Correspondence Name:</b>	Mr. Vijay Naikwade
<b>Room Number:</b>	-
<b>Floor:</b>	-
<b>Building Name:</b>	-
<b>Road/Street Name:</b>	S no. 131/1, CTS no. 4711, Hadapsar, Pune
<b>Locality:</b>	Hadapsar
<b>City:</b>	Pune
<b>11.Area of the project</b>	Pune Municipal Corporation(PMC)
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	DP layout received
	<b>IOD/IOA/Concession/Plan Approval Number:</b> DP layout sanction no. = CC\0657/18 Dated 13.06.2018
	<b>Approved Built-up Area:</b> 34951.77
<b>13.Note on the initiated work (If applicable)</b>	Total constructed area : 17832.58 sq. m
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	NA
<b>15.Total Plot Area (sq. m.)</b>	7700 sq. m
<b>16.Deductions</b>	1124.20 sq. m
<b>17.Net Plot area</b>	6575.80 sq. m
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> 16598.86 sq. m
	<b>b) Non FSI area (sq. m.):</b> 18352.91 sq. m
	<b>c) Total BUA area (sq. m.):</b> 34951.77
<b>18 (b).Approved Built up area as per DCR</b>	<b>Approved FSI area (sq. m.):</b> 16598.86 sq. m
	<b>Approved Non FSI area (sq. m.):</b> 18352.91 sq. m
	<b>Date of Approval:</b> 13-06-2018
<b>19.Total ground coverage (m2)</b>	1445.19 sq. m
<b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>	21.98 %
<b>21.Estimated cost of the project</b>	400000000

## 22.Number of buildings & its configuration

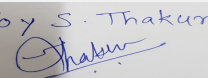
  
**Joy S.Thakur (Secretary SEAC-III)**

**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

**Page 75  
of 146**

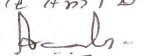
**Name:** K. Anil Kale  
**Signature:**   
**Shri. Anil Kale (Chairman SEAC-III)**

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)	
1	Wing A + Commercial Shops	Ground + 3 Parking + 13 floors	53.61	
2	Wing B & C	Parking + 16 floors	49.95	
3	Club House	Ground + 1 floor	-	
<b>23.Number of tenants and shops</b>	Residential : 309 Commercial shops			
<b>24.Number of expected residents / users</b>	Residential : 1545 no's ; Commercial floating population : 60 persons.			
<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>	30 m wide DP road to nearest fire station at Amnora at distance 7.3 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>	Wing B & C , Club House.			
<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>				

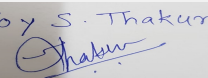
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**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

**Page 76 of 146**

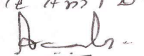
**Name: Kote Anil D.**  
  
**Signature: Shri. Anil Kale (Chairman SEAC-III)**

Dry season:	Source of water	Pune Municipal Corporation(PMC)							
	Fresh water (CMD):	140.55							
	Recycled water - Flushing (CMD):	70.73							
	Recycled water - Gardening (CMD):	4.72							
	Swimming pool make up (Cum):	10							
	Total Water Requirement (CMD) :	226							
	Fire fighting - Underground water tank(CMD):	450							
	Fire fighting - Overhead water tank(CMD):	20							
	Excess treated water	105.20							
Wet season:	Source of water	Pune Municipal Corporation(PMC)							
	Fresh water (CMD):	140.55							
	Recycled water - Flushing (CMD):	70.73							
	Recycled water - Gardening (CMD):	0							
	Swimming pool make up (Cum):	10							
	Total Water Requirement (CMD) :	221.28							
	Fire fighting - Underground water tank(CMD):	450							
	Fire fighting - Overhead water tank(CMD):	20							
	Excess treated water	109.82							
Details of Swimming pool (If any)	Swimming Pool size : 12.60 x 5.50 m Water requirement : 10 KLD								
<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

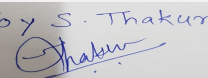
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**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

**Page 77 of 146**

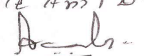
**Name: K. Anil Kale**  
  
**Shri. Anil Kale (Chairman SEAC-III)**

<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	10 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>	3 no's
	<b>Size of recharge pits :</b>	2 x 2 x 2 m
	<b>Budgetary allocation (Capital cost) :</b>	Rs. 3,00,000 /-
	<b>Budgetary allocation (O &amp; M cost) :</b>	Rs. 60,000 /-
	<b>Details of UGT tanks if any :</b>	Domestic UGT capacity : 212 KLD Flushing UGT capacity : 211 KLD Fire UGT capacity : 450 KLD
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	As per contour
	<b>Quantity of storm water:</b>	1.67 cum/min
	<b>Size of SWD:</b>	450 mm
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	190.15
	<b>STP technology:</b>	MBBR technology
	<b>Capacity of STP (CMD):</b>	200 KLD
	<b>Location &amp; area of the STP:</b>	Area : 100 sq. m
	<b>Budgetary allocation (Capital cost):</b>	Rs. 57,20,000 /-
	<b>Budgetary allocation (O &amp; M cost):</b>	Rs. 9,50,000 /-
<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>	Used within site
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	276.37 kg/day
	<b>Wet waste:</b>	443.32 kg/day
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	24.60 kg/day
	<b>Others if any:</b>	NA

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

SEAC Meeting No: 72 Meeting Date: October 2,  
 2018

Page 78  
 of 146

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

<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>	Shown on layout
	<b>Area for the storage of waste &amp; other material:</b>	23.92 sq. m
	<b>Area for machinery:</b>	32 sq. m
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs. 13,30,560 /-
	<b>O &amp; M cost:</b>	Rs. 3,69,000 /-

### 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

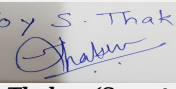
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 39. Stacks emission Details

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

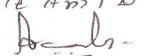
### 40. Details of Fuel to be used

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

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

**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

**Page 79 of 146**

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

<b>43.Green Belt Development</b>	<b>Total RG area :</b>	RG area : 786.20 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>	102 no's
	<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

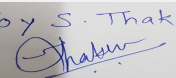
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Neolamarckia cadamba	Kadamb	12	"Large size , shady, ball shaped flowering tree. "
2	Cassia fistula	Bahawa	12	"Medium size deciduous tree, Draught tolerant,Beautiful yellow flower,butterfly host plant. "
3	Bahunia purpurea	kanchan	9	"Medium size pink flowering tree. "
4	Lagerstromia indica	Taman	9	"State flower of maharashtra, medium size tree with beautiful purple flower. "
5	Michelia champaca	Sonchafa	9	"Medium size evergreen tree. Fragrant yellow flowers,butterfly host plant. "
6	Peltoforum Petrocarpum	Copper pod	12	"Large size , shady,yellow flowering tree. "
7	Azadirachta indica	Neem	12	"Semi - evergreen tree with medicinal value. "
8	Plumeria Acutifolia	Temple tree	9	"Evergreen medium size white flowering tree, medicinal value. "
9	Psidium guayava	Gauva	3	Medium sized fruit bearing tree, medicinal plant-good source of calcium and vitamin C.
10	Achras sapota	Chikoo	3	Medium sized fruit bearing tree, medicinal value,bird attracting tree
11	Annona squamosa	Sitaphal	3	Medium sized fruit bearing tree, medicinal value.
12	Mangifera indica	Mango	9	"State tree of maharashtra (Auspicious tree), greening & popular edible fruits, medicinal & butterfly host 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

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

**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

**Page 80 of 146**

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



<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	11.08 KW
	<b>DG set as Power back-up during construction phase</b>	30 KVA
	<b>During Operation phase (Connected load):</b>	868 KW
	<b>During Operation phase (Demand load):</b>	891 KVA
	<b>Transformer:</b>	630 KVA & 315 KVA
	<b>DG set as Power back-up during operation phase:</b>	500 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. 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. 125 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 )	21 %

#### 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. 94,69,775 /-
	<b>O &amp; M cost:</b>	Rs. 14,93,657 /-

### 51. Environmental Management plan Budgetary Allocation

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

 <b>Joy S.Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 72 Meeting Date: October 2, 2018</b>	<b>Page 81 of 146</b>	<b>Name: K. Anil Kale</b>  <b>Shri. Anil Kale (Chairman SEAC-III)</b>
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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 Monitoring	Environment 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	1 STP	Rs. 57,20,000 /-	Rs. 9,50,000 /-
2	Rain water harvesting	3 no's	Rs. 3,00,000 /-	Rs. 60,000 /-
3	Solid Waste Management	1 OWC	Rs. 13,30,560 /-	Rs. 3,69,000 /-
4	Green Belt Development	102 no's of trees	Rs. 10,61,370 /-	Rs. 1,20,000 /-
5	Energy details	DG set + Solar hot water & PV cells	Rs. 94,69,775 /-	Rs. 14,93,657 /-
6	Environment Monitoring	Environment Monitoring	-	Rs. 1,20,000 /-

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

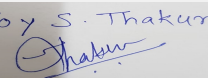
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 52.Any Other Information

No Information Available

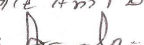
### 53.Traffic Management

Nos. of the junction to the main road & design of confluence:	30 m wide DP road
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Joy S. Thakur  
  
 Joy S.Thakur (Secretary SEAC-III)

SEAC Meeting No: 72 Meeting Date: October 2, 2018

Page 82  
of 146

Name: Kote Anil D.  
  
 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>	NA
	<b>Total Parking area:</b>	6441.50 sq. m
	<b>Area per car:</b>	12.5 sq. m as per DC rule
	<b>Area per car:</b>	12.5 sq. m as per DC rule
	<b>Number of 2-Wheelers as approved by competent authority:</b>	Scooters : 669 , Cycles : 365
	<b>Number of 4-Wheelers as approved by competent authority:</b>	317
	<b>Public Transport:</b>	Pune city buses
	<b>Width of all Internal roads (m):</b>	6.00 m & 7.00 m drive way
	<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 areas
	<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>	-
<b>SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS</b>		
Summorisred in brief information of Project as below.		
<b>Brief information of the project by SEAC</b>		

 <b>Joy S.Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 72 Meeting Date: October 2, 2018</b>	<b>Page 83 of 146</b>	<b>Name: K. Anil Kale</b>  <b>Signature: Shri. Anil Kale (Chairman SEAC-III)</b>
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**Environment Clearance for Proposed Residential & Commercial project at S no. 131/1, CTS no. 4711, Hadapsar, Pune by M/s. Wellwisher Apartment.**

PP submitted their application for prior Environmental clearance for total plot area of 7700.0 Sq. Mtrs, BUA of 34951.77 Sq. Mtrs and FSI area of 16598.86 Sq. Mtrs. PP proposes to construct 2 no. of residential & commercial buildings +1 club house.

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**

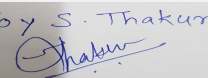
***PP requested for time to submit above information; after deliberations committee asked PP to comply with the above observations and submit information to the committee for further discussion and consideration of SEAC.***

**Specific Conditions by SEAC:**

- 1) PP to make changes in CS considering BUA.
- 2) PP to submit phase wise programme considering wind direction at site and mitigation plan to avoid inconvenience to residence.
- 3) PP to submit a plan showing Entry Exit for the phase -3.
- 4) PP to submit STP details.
- 5) PP to provide mandatory RG area on virgin land in single piece and submit the drawing with calculations as per DCR.
- 6) PP to submit an indemnity bond for project land.
- 7) PP to submit water supply NOC with quantity.

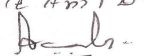
**FINAL RECOMMENDATION**

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

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

**SEAC Meeting No: 72 Meeting Date: October 2,  
2018**

**Page 84  
of 146**

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

## 72 nd Meeting of SEAC-3 (Day-3)

**SEAC Meeting number: 72 Meeting Date October 2, 2018**

**Subject:** Environment Clearance for Environment Clearance for Project Proposed Residential & Commercial 'Nirmaan Aasamant', proposed residential Scheme at S no. 19/1/1A/1A/1 & 19/1/2 at Kondhva Budruk, Pune by M/s. Nirmaan Group

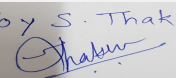
**Is a Violation Case:** No

<b>1.Name of Project</b>	Proposed Residential & Commercial 'Nirmaan Aasamant', proposed residential Scheme at S no. 19/1/1A/1A/1 & 19/1/2 at Kondhva Budruk, Pune by M/s. Nirmaan Group
<b>2.Type of institution</b>	Private
<b>3.Name of Project Proponent</b>	Mr. Prakash Chavan
<b>4.Name of Consultant</b>	VK:e Environmental LLP , Pune
<b>5.Type of project</b>	Residential & Commercial Project
<b>6.New project/expansion in existing project/modernization/diversification in existing project</b>	Amendment
<b>7.If expansion/diversification, whether environmental clearance has been obtained for existing project</b>	The project has been granted environmental clearance vide letter SEAC-2013/C.R.488/TC-2 Dated - 6th October, 2015
<b>8.Location of the project</b>	S no. 19/1/1A/1A/1 & 19/1/2 at Kondhva Budruk, Pune by M/s. Nirmaan Group.
<b>9.Taluka</b>	Haveli
<b>10.Village</b>	Kondhva Budruk
<b>Correspondence Name:</b>	Mr. Prakash Chavan
<b>Room Number:</b>	NA
<b>Floor:</b>	NA
<b>Building Name:</b>	Vastushre Complex
<b>Road/Street Name:</b>	Hyde Park Road
<b>Locality:</b>	Market Yard
<b>City:</b>	Pune
<b>11.Area of the project</b>	PMC
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	In process
	<b>IOD/IOA/Concession/Plan Approval Number:</b> In process
	<b>Approved Built-up Area:</b> 11344.44
<b>13.Note on the initiated work (If applicable)</b>	Residential Wings A & B and C (12 bungalows) exist on site as per EC recieved
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	NA
<b>15.Total Plot Area (sq. m.)</b>	19,200 m2
<b>16.Deductions</b>	2565.17 m2
<b>17.Net Plot area</b>	14535.94 m2
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> 25155.55 m2
	<b>b) Non FSI area (sq. m.):</b> 20498.11 m2
	<b>c) Total BUA area (sq. m.):</b> 45653.66
<b>18 (b).Approved Built up area as per DCR</b>	<b>Approved FSI area (sq. m.):</b> 11344.44 m2 as per part sanction
	<b>Approved Non FSI area (sq. m.):</b> 10226.96 m2 as per part sanction
	<b>Date of Approval:</b> 27-03-2017
<b>19.Total ground coverage (m2)</b>	3312.96 m2
<b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>	22.7 % on net plot area
<b>21.Estimated cost of the project</b>	1130000000

## 22.Number of buildings & its configuration

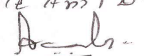
 <b>Joy S.Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 72 Meeting Date: October 2, 2018</b>	<b>Page 85 of 146</b>	<b>Name: Kote Anil D.</b>  <b>Signature: Shri. Anil Kale (Chairman SEAC-III)</b>
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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)	
1	Building A	3P+16 floors	49.9 m	
2	Building B	2P+16	49.9m	
3	Building C (bugalows)	G+1	7.9m	
4	Building D	4P+22	79.5m	
5	D WING - Commercial	G	4.5m	
6	Bungalow 2	G+1	7.9 m	
7	Bungalow 3	G+1	7.9 m	
<b>23.Number of tenants and shops</b>	Residential : 264 flats Bungalows : 12 Owners Bungalows : 2 Total Residential Tenements: 278 Commercial :11 shops			
<b>24.Number of expected residents / users</b>	Number of Residential Population: 1390 Number of Commercial Population: 102 Total Population: 1492			
<b>25.Tenant density per hectare</b>	144 Tenement/hectare; 724 Tenants/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 m wide road from the nearest fire station to the project. Nearest fire station: Ganj Peth fire station. Nearest Fire Station Distance : 4 Km			
<b>28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation</b>	For easy access of fire tender, 6 m wide internal driveway & 9m turning radius will be provided.			
<b>29.Existing structure (s) if any</b>	Residential Wings A & B and C (12 bungalows) are constructed.			
<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>				

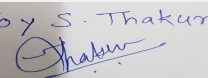
Joy S. Thakur  
  
**Joy S.Thakur (Secretary SEAC-III)**

**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

**Page 86 of 146**

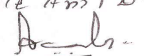
**Name: Kote Anil D.**  
  
**Signature: Shri. Anil Kale (Chairman SEAC-III)**

Dry season:	Source of water	Pune Municipal Corporation	
	Fresh water (CMD):	127 m3 /day	
	Recycled water - Flushing (CMD):	65 m3 /day	
	Recycled water - Gardening (CMD):	25 m3 /day	
	Swimming pool make up (Cum):	1 m3 /day	
	Total Water Requirement (CMD) :	218 m3 /day	
	Fire fighting - Underground water tank(CMD):	200 m3 /day	
	Fire fighting - Overhead water tank(CMD):	20 KLD for each building	
	Excess treated water	90 m3 /day	
Wet season:	Source of water	Pune Municipal Corporation	
	Fresh water (CMD):	127 m3 /day	
	Recycled water - Flushing (CMD):	65 m3 /day	
	Recycled water - Gardening (CMD):	00	
	Swimming pool make up (Cum):	1 m3 /day	
	Total Water Requirement (CMD) :	193 m3 /day	
	Fire fighting - Underground water tank(CMD):	200 KLD	
	Fire fighting - Overhead water tank(CMD):	20 KLD for each building	
	Excess treated water	115 m3 /day	
Details of Swimming pool (If any)	Volume of Swimming pool : 93.6 m3 Water requirement for make up : 1 kld		
	Quality to be achieved for swimming pool water :Parameters to be monitored :The below parameters of the swimming pool water after treatment will be maintained as follows: Free Chlorine : 0.3 to 0.8 PPM Total Chlorine : Less than 1 PPM. Combine Chlorine : Less than 0.2 PPM. pH : 7.2 to 7.4 Turbidity Level : 0.5 J.T.U Ozone Dosage : 0.05 Mg/Litres Budgetary Allocation per annum Capital cost Rs. 32,00,000/- O & M cost Rs. 4,80,000/-		
<b>33.Details of Total water consumed</b>			
Particulars	Consumption (CMD)	Loss (CMD)	Effluent (CMD)

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

**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

**Page 87 of 146**

**Name:** K ०१६ ७५११ २०  
**Signature:**   
**Shri. Anil Kale (Chairman SEAC-III)**

Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>34. Rain Water Harvesting (RWH)</b>									
		<b>Level of the Ground water table:</b>	Pre Monsoon- 12 Mt.- 15 Mt. below ground level. Post Monsoon- 4 - 5 Mt. below ground level.						
		<b>Size and no of RWH tank(s) and Quantity:</b>	NA						
		<b>Location of the RWH tank(s):</b>	NA						
		<b>Quantity of recharge pits:</b>	Nos. of recharge pits with bores proposed: 7 No						
		<b>Size of recharge pits :</b>	3 Nos. of 5.0 m. X 3.0 m. X 2.0 m and 4 Nos. of 2.0 m. X 2.0 m. X 2.0 m						
		<b>Budgetary allocation (Capital cost) :</b>	Rs. 11,00,000/-						
		<b>Budgetary allocation (O &amp; M cost) :</b>	Rs. 2,00,000/-						
		<b>Details of UGT tanks if any :</b>	Domestic Tank : 188 m3 Flushing Tank: 60 m3 Fire Fighting : 200 m3						
<b>35. Storm water drainage</b>									
		<b>Natural water drainage pattern:</b>	Natural water drainage pattern: The storm water drainage will be designed according to contours. The storm water collected through the storm water drains of adequate capacity will be led to recharge pits.						
		<b>Quantity of storm water:</b>	465.9 cum/hr						
		<b>Size of SWD:</b>	300mm						
<b>Sewage and Waste water</b>									
		<b>Sewage generation in KLD:</b>	Sewage generation (CMD): 180 m3/day						
		<b>STP technology:</b>	Moving Bed Biological Reactor						
		<b>Capacity of STP (CMD):</b>	200 KLD						
		<b>Location &amp; area of the STP:</b>	On ground.						
		<b>Budgetary allocation (Capital cost):</b>	Rs. 18,00,000/-						
		<b>Budgetary allocation (O &amp; M cost):</b>	Rs. 4,00,000/-						
<b>36. Solid waste Management</b>									
<b>Waste generation in the Pre Construction and Construction phase:</b>		<b>Waste generation:</b>	Dry waste (Kg/day): 12 kg/day -Wet waste (Kg/day): 18 kg/day -Total waste generated: 30 kg/day						
		<b>Disposal of the construction waste debris:</b>	The Construction waste generated during construction shall be segregated, reused on site and surplus shall be led to scrap dealers for recycling						
<b>Waste generation in the operation Phase:</b>		<b>Dry waste:</b>	293						
		<b>Wet waste:</b>	427						
		<b>Hazardous waste:</b>	NA						
		<b>Biomedical waste (If applicable):</b>	NA						
		<b>STP Sludge (Dry sludge):</b>	18 kg /day						
		<b>Others if any:</b>	E-waste: 3 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 Organic Waste Converter (OWC).
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	Dried sludge from STP will be used as manure.
	<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>	Total 72 sqm.
	<b>Area for machinery:</b>	Total 72 sqm.
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs 13,30,560/-
	<b>O &amp; M cost:</b>	Rs 3,69,000/-

### 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

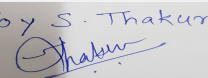
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 39. Stacks emission Details

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

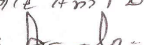
### 40. Details of Fuel to be used

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

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

**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

**Page 89 of 146**

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

<b>43.Green Belt Development</b>	<b>Total RG area :</b>	1 RG area 1710.11 sqm 2. Total Landscape area - 2903 sqm
	<b>No of trees to be cut :</b>	NA
	<b>Number of trees to be planted :</b>	242
	<b>List of proposed native trees :</b>	Refer Below list:
	<b>Timeline for completion of plantation :</b>	Till operation phase

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

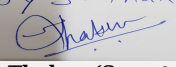
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Peltophorum pterocarpum	Copper pod	19	Tall deciduous tree. Good for roadside plantation.
2	Pongamia pinnata	Karanj	4	Shady tree
3	Azadiracta indica	Neem	16	Large tree, good for roadside plantation
4	Ficus benamina	Weeping fig	19	Good for roadside plantation.
5	Michelia champaca	Sonchapha	15	Medium sized evergreen tree, fragrant yellow flowers, butterfly host plant.
6	Millingtonia hortensis	Indian cork tree	30	A columnar, evergreen tree grows well in both dry and moist regions.
7	Erythrina indica	Pangara	8	Medium sized deciduous tree, bright scarlet flowers.
8	Caryota urens	Fish tail palm	19	Tall evergreen Palm tree
9	Largerstromia flos-regineae	Taman	10	State flower tree of Maharashtra, Medium sized tree, beautiful purple flowers.
10	Syzizium cumini	Jamun	16	A large size tree with dense foliage provides shade along road
11	Mangifera indica	Mango	8	Good for roadside plantation and provide shade.
12	Albizia lebbeck	Pimpal	12	Fast growing deciduous tree with large spreading crown
13	Spathodia campanulata	Pichkari	10	A handsome large deciduous tree. Good for road side plantation.
14	Anthocephalus cadamba	Kadamb	33	Shady, large tree, ball shaped flowers
15	Terminalia catappa	Badam	16	Small deciduous, fruit bearing
16	Plumeria alba	Champa	10	Ornamental flowering shrub.

#### 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)**

**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

**Page 90 of 146**

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

<b>Power requirement:</b>	<b>Source of power supply :</b>	Maharashtra State Electricity Distribution Company Limited (M.S.E.D.C.L.)
	<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>	1992.42 KW
	<b>During Operation phase (Demand load):</b>	1086.01 KVA
	<b>Transformer:</b>	2 nos. of 630 kvA
	<b>DG set as Power back-up during operation phase:</b>	1 DG set of 160 kvA each 1 DG set of 62.5 kvA each
	<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 measures

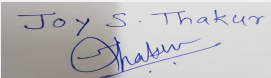
- As per the prevailing trend we propose to use a cost effective green building solutions as far as possible.
  - We propose to opt for LED lamps for common areas.
  - We propose to install motion sensors, Timers & daylight sensors for common area lighting to ensure Automatic Lighting Shutoff of common lighting when areas are not in use.
  - We propose to use stand-alone solar powered lamps for common area lights, external, street lights & landscape lighting.
  - Street lighting will be designed to improve night visibility through glare reduction and also reduce sky-glow.
  - We propose to use all the pumping station in nighttime to have a less tariff of MSEB. We can provide a real time clock circuit to control the pump starters and couple the same with the water level controller.
  - We propose to use common solar hot water system to reduce the electricity load.
  - As per the green standard we shall design the internal lighting so that minimum light escapes the building periphery so as to claim the light pollution credit.
  - The UPS can be charged using solar panels to avail the renewable energy credit.
  - All common areas & plants like STP, WTP etc will separate KWH meters to measure energy consumption independently.
  - All equipments like Transformers, DG sets, UPS etc will be use of high efficiency to reduce the power loss.
- %-age of Saving : 7.72

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

Serial Number	Energy Conservation Measures	Saving %
1	As per the prevailing trend we propose to use a cost effective green building solutions as far as possible. • We propose to opt for LED lamps for common areas. • We propose to install motion sensors, Timers & daylight sensors for common area lighting to ensure Automatic Lighting Shutoff of common lighting when areas are not in use. • We propose to use stand-alone solar powered lamps for common area lights, external, street lights & landscape lighting. • Street lighting will be designed to improve	As per the prevailing trend we propose to use a cost effective green building solutions as far as possible. • We propose to opt for LED lamps for common areas. • We propose to install motion sensors, Timers & daylight sensors for common area lighting to ensure Automatic Lighting Shutoff of common lighting when areas are not in use. • We propose to use stand-alone solar powered lamps for common area lights, external, street lights & landscape lighting. • Street lighting will be designed to improve

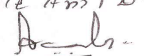
#### 50. Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
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**Joy S. Thakur (Secretary SEAC-III)**

**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

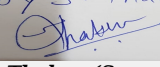
**Page 91 of 146**

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

Not applicable	Not applicable		Not applicable				
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	83,40,000/- and 11,61,600/-					
	<b>O &amp; M cost:</b>	8,34,000/- and 1,16,160/-					
<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	Environment Management	Environment management cell	1,42,000/-				
<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	Energy Saving	Solar Water Heater and Solar PV cells	83,40,000/- and 11,61,600/-	8,34,000/- and 1,16,160/-			
<b>51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)</b>							
<b>Description</b>	<b>Status</b>	<b>Location</b>	<b>Storage Capacity in MT</b>	<b>Maximum Quantity of Storage at any point of time in MT</b>	<b>Consumption / Month in MT</b>	<b>Source of Supply</b>	<b>Means of transportation</b>
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>52.Any Other Information</b>							
No Information Available							
<b>53.Traffic Management</b>							
<b>Nos. of the junction to the main road &amp; design of confluence:</b>		Proposed site is located at Pashan. Site is accessible from 30 m road from west side. For internal traffic movement 6m wide driveway will be proposed.					

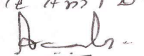
 <b>Joy S.Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 72 Meeting Date: October 2, 2018</b>	<b>Page 92 of 146</b>	<b>Name: K 072 Anil D.</b> <b>Signature: </b> <b>Shri. Anil Kale (Chairman SEAC-III)</b>
---	--	-----------------------	---

Parking details:	Number and area of basement:	NA
	Number and area of podia:	2 level
	Total Parking area:	8111.22 sq.m
	Area per car:	12.5
	Area per car:	12.5
	Number of 2-Wheelers as approved by competent authority:	647
	Number of 4-Wheelers as approved by competent authority:	367
	Public Transport:	NA
	Width of all Internal roads (m):	Width of all Internal roads: 6 m, Turning radius: 9 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 and construction project
	Court cases pending if any	-
	Other Relevant Informations	Project proposes residential and commercial building at Kondhva Budruk.
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-
<b>SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS</b>		
Summorisred in brief information of Project as below.		
<b>Brief information of the project by SEAC</b>		

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

**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

**Page 93 of 146**

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

**Environment Clearance for Environment Clearance for Project Proposed Residential & Commercial 'Nirmaan Aasamant', proposed residential Scheme at S no. 19/1/1A/1A/1 & 19/1/2 at Kondhva Budruk, Pune by M/s. Nirmaan Group.**

PP submitted their application for modernization of earlier Environmental clearance for total plot area of 19200.00 Sq. Mtrs, BUA of 45653.66 Sq. Mtrs and FSI area of 25155.55 Sq. Mtrs. PP proposes to construct 3 no. residential & commercial buildings +4 bungalows.

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**

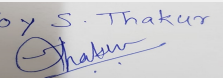
***PP requested for time to submit above information; after deliberations committee asked PP to comply with the above observations and submit information to the committee for further discussion and consideration of SEAC.***

**Specific Conditions by SEAC:**

- 1) PP to submit CFO NOC.
- 2) PP to upload STP details.

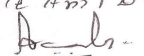
**FINAL RECOMMENDATION**

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

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

**SEAC Meeting No: 72 Meeting Date: October 2,  
2018**

**Page 94  
of 146**

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

## 72 nd Meeting of SEAC-3 (Day-3)

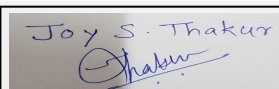
**SEAC Meeting number: 72 Meeting Date October 2, 2018**

**Subject:** Environment Clearance for Proposed Residential and Commercial project by Kumar Company at S. no. 97 (P) Village Borhadewadi, Tal. Haveli, Pune, Maharashtra

**Is a Violation Case:** No

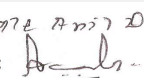
1.Name of Project	Proposed Residential and Commercial Project
2.Type of institution	Private
3.Name of Project Proponent	Kumar Company
4.Name of Consultant	Vke Environmental LLP
5.Type of project	Others
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	S. No. 97 (P), Village Borhadewadi, Tal. Haveli, Pune, Maharashtra
9.Taluka	Haveli
10.Village	Borhadewadi
Correspondence Name:	Kumar Company
Room Number:	-
Floor:	1st floor
Building Name:	Kumar Capital,
Road/Street Name:	2413, East Street
Locality:	Camp
City:	Pune
11.Area of the project	Pimpri Chinchwad Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Concessional letter
	<b>IOD/IOA/Concession/Plan Approval Number:</b> B.P./ENV/Borhadewadi/03/2018 dated 16/05/2018
	<b>Approved Built-up Area:</b> 55750.35
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Water , Drainage & garden NOC
15.Total Plot Area (sq. m.)	15584.68 Sq. M.
16.Deductions	2609.84 Sq. M.
17.Net Plot area	12974.84 Sq. M.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	<b>a) FSI area (sq. m.):</b> 28005.06 Sq. M.
	<b>b) Non FSI area (sq. m.):</b> 27745.29 Sq. M.
	<b>c) Total BUA area (sq. m.):</b> 55750.35
18 (b).Approved Built up area as per DCR	<b>Approved FSI area (sq. m.):</b> 28005.06 Sq. M.
	<b>Approved Non FSI area (sq. m.):</b> 27745.29 Sq. M.
	<b>Date of Approval:</b> 16-05-2018
19.Total ground coverage (m2)	9008.12 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	57.88 %
21.Estimated cost of the project	857000000

## 22.Number of buildings & its configuration

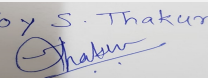
  
**Joy S.Thakur (Secretary SEAC-III)**

**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

**Page 95  
of 146**

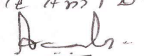
**Name:** K. Anil Kale  
**Signature:**   
**Shri. Anil Kale (Chairman SEAC-III)**

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)	
1	5 Residential Buildings	2P + 12 floor	38.90 m	
2	1 Residential Buildings (Mhada)	GP + 10 floor	33.50 m	
3	1 Club house	G + 1 floor	7.80 m	
<b>23.Number of tenants and shops</b>	422 no. of tenants & 7 no. of shops			
<b>24.Number of expected residents / users</b>	2110 no. of residents & 49 no. of commercial users			
<b>25.Tenant density per hectare</b>	271/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 wide DP road & 24 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 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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**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

**Page 96 of 146**

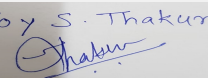
**Name: Kote Anil D.**  
  
**Signature: Shri. Anil Kale (Chairman SEAC-III)**



<b>Dry season:</b>	<b>Source of water</b>	PCMC/Treated water from STP
	<b>Fresh water (CMD):</b>	191 m3/day
	<b>Recycled water - Flushing (CMD):</b>	96 m3/day
	<b>Recycled water - Gardening (CMD):</b>	9 m3/day
	<b>Swimming pool make up (Cum):</b>	8 m3/day
	<b>Total Water Requirement (CMD) :</b>	296 m3/day
	<b>Fire fighting - Underground water tank(CMD):</b>	300 m3
	<b>Fire fighting - Overhead water tank(CMD):</b>	120 m3
	<b>Excess treated water</b>	140 m3/day
<b>Wet season:</b>	<b>Source of water</b>	PCMC/Treated water from STP
	<b>Fresh water (CMD):</b>	191 m3/day
	<b>Recycled water - Flushing (CMD):</b>	96 m3/day
	<b>Recycled water - Gardening (CMD):</b>	0
	<b>Swimming pool make up (Cum):</b>	8 m3/day
	<b>Total Water Requirement (CMD) :</b>	287 m3/day
	<b>Fire fighting - Underground water tank(CMD):</b>	300 m3
	<b>Fire fighting - Overhead water tank(CMD):</b>	120 m3
	<b>Excess treated water</b>	149 m3/day
<b>Details of Swimming pool (If any)</b>	Swimming pool details: Sizes: 14.6 x 8.6 x 1.2 m (Main pool) 6.00 x 4.00 x 0.5 m (kids pool) One time water requirement: 162 m3/day Make up water requirement: 8 m3/day	

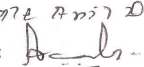
### 33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Water Requirement									
Fresh water requirement	Not applicable	191	191	Not applicable	28	Not applicable	Not applicable	163	Not applicable
Gardening	Not applicable	9	9	Not applicable	9	Not applicable	Not applicable	0	Not applicable

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

**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

**Page 97 of 146**

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

Domestic	Not applicable	287	287	Not applicable	42	Not applicable	Not applicable	245	Not applicable	
<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	12 - 15 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>	5 nos.								
	<b>Size of recharge pits :</b>	1.2 m x 1.2 m x 2.8 m								
	<b>Budgetary allocation (Capital cost) :</b>	Rs. 9 Lakh								
	<b>Budgetary allocation (O &amp; M cost) :</b>	Rs. 0.45 Lakh/year								
	<b>Details of UGT tanks if any :</b>	Drinking UGT: 79 m3/day Domestic UGT: 208 m3/day Fire UGT: 300 m3/day Flushing: 144 m3/day								
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	Towards East side of the project site								
	<b>Quantity of storm water:</b>	0.2766 m3/day								
	<b>Size of SWD:</b>	450 x 300 mm wide trench								
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	258 m3/day								
	<b>STP technology:</b>	MBBR technology								
	<b>Capacity of STP (CMD):</b>	275 m3/day								
	<b>Location &amp; area of the STP:</b>	Location are as per master layout & area is 176 m2								
	<b>Budgetary allocation (Capital cost):</b>	Rs. 64.00 Lakh								
	<b>Budgetary allocation (O &amp; M cost):</b>	Rs. 13.50 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>	429 kg/day								
	<b>Wet waste:</b>	638 kg/day								
	<b>Hazardous waste:</b>	NA								
	<b>Biomedical waste (If applicable):</b>	NA								
	<b>STP Sludge (Dry sludge):</b>	41 kg/day								
	<b>Others if any:</b>	E Waste- Residential -0.5 kg/year per person Commercial -1 kg/year per person								
Joy S.Thakur (Secretary SEAC-III)		SEAC Meeting No: 72 Meeting Date: October 2, 2018				Page 96 of 146		Smt. Anil Kate (Chairman 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>	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>	15 m <sup>2</sup>
	<b>Area for machinery:</b>	60 m <sup>2</sup>
<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. 4.85 Lakh/year

### 37. Effluent Characteristics

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

### 38. Hazardous Waste Details

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

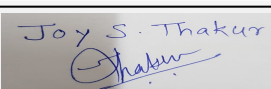
### 39. Stacks emission Details

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

### 40. Details of Fuel to be used

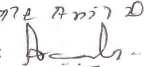
Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable

41. Source of Fuel	Not applicable
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**Joy S. Thakur (Secretary SEAC-III)**

**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

**Page 99 of 146**

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

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>	1441.65 m2 i.e 10% of net plot area (14416.49 m2)
	<b>No of trees to be cut :</b>	NA
	<b>Number of trees to be planted :</b>	165 nos.
	<b>List of proposed native trees :</b>	Maharukh, Kadamb, Fish Tail Palm, Pangara, Kunti, Son Chafa,Sita Asoka, Tamhan, Chiku,Palas, Sitafal
	<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**

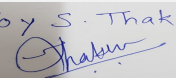
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Ailanthus excelsa	Maharukh	12	Large tree, good for roadside plantation
2	Anthosaphalus kadamba	Kadamb	10	Shady, large tree, ball shaped flowers.
3	Caryota urens	Fish Tail Palm	11	Tall evergreen tree
4	Erythrina indica	Pangara	13	Medium sized deciduous tree. Bright scarlet flowers.
5	Murrayya paniulate	Kunti	11	Small tree, Fragrant white flowers, Butterfly host plant
6	Michela champaca	Son Chafa	12	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
7	Saraca asoka	Sita Asoka	16	Shady tree with red-yellow flowers.
8	Lagestromia flosregenia	Tamhan	10	State flower tree of Maharashtra,
9	Manilkara zapota	Chiku	10	Evergreen Fruit Bearing Tree
10	Butea monosperma	Palas	10	Medium sized deciduous tree. Beautiful orange flowers, Butterfly host plant
11	Gmelina arborea	Shivan	15	fast growing deciduous tree with yellow flower, medical use tree
12	Annona squamosa	Sitafal	15	Evergreen Fruit Bearing Tree
13	Azadirachta indica	Neem Tree	10	fast growing Tree, useful for methane gas production
14	Albizia lebbeck	Shirish tree	10	Medium to large tree with gray-brown bark

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

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

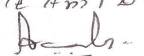
Serial Number	Name	C/C Distance	Area m2
1	NA	NA	NA

**47.Energy**

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

**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

**Page 100 of 146**

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

<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	68 KW
	<b>DG set as Power back-up during construction phase</b>	100 kVA
	<b>During Operation phase (Connected load):</b>	2257.00 KW
	<b>During Operation phase (Demand load):</b>	1325.00 KVA
	<b>Transformer:</b>	Residential (630 KVA X 2 )+ ( 315 KVA X 1 )
	<b>DG set as Power back-up during operation phase:</b>	Residential (500 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:

Overall % Saving - 19771320 Kwh/yr i.e. 7.14%  
Using Conventional CFL & LED - 71638Kwh/Yr i.e 35.82%  
Using Low Loss Transformer -1051Kwh/Yr i.e 4.29%  
Using Solar lighting - 2365 Kwh/ys i.e. 50%  
Using Solar Water Heater -1338150 Kwh/Yr i.e 75.34%

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

Serial Number	Energy Conservation Measures	Saving %
1	Overall % saving	7.14%
2	Using Conventional CFL & LED	35.82%
3	Using Low Loss Transformer	4.29%
4	Using Solar Lights	50.00%
5	Using Solar Water heater	75.34%

#### 50. Details of pollution control Systems

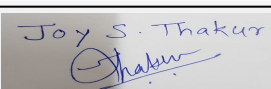
Source	Existing pollution control system	Proposed to be installed
Effluent	Not applicable	STP
Biodegradable waste	Not applicable	OWC
DG Set	Not applicable	Installing DG Set which compiles to CPCB norms.

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs. 62.74 Lakh
	<b>O &amp; M cost:</b>	Rs. 6.26 Lakh/year

### 51. Environmental Management plan Budgetary Allocation

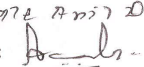
#### a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
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**Joy S. Thakur (Secretary SEAC-III)**

**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

**Page 101 of 146**

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

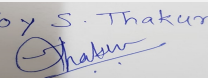
1	Air Environment	Water For Dust Suppression	0.72
2	Air Environment	Air & Noise Monitoring	0.2
3	Water Environment	Tanker Water For Construction	4.4
4	Water Environment	Water Monitoring	0.5
5	Land Environment	Site Sanitation, mobile toilets	4.76
6	Socio-Economic Environment	Disinfection- Pest Control, First Aid Facilities, Health Check Up, Personal Protective Equipment	1.3
7	DMP	"Disaster Management cell"	8.5

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

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP	1 no STP cost considered	64	13.5
2	Rain Water Harvesting	5 nos. of recharge pits	9	0.45
3	Storm Water Networking	To assure proper disposal of Storm Water	10.8	1.62
4	Sewer External connection	NA	1.32	0.20
5	Solid Waste Management	To assure proper disposal of Dry and Wet Waste, 1 no OWC will be provided	20.75	4.85
6	Landscape	As required by the authorities to help environment	8.38	2.04
7	Energy	With all said energy saving measures like solar panels and solar water heaters	62.74	6.26
8	Environmental Monitoring	Air, Noise, Water, Effluent tests as per government norms	NA	2.95
9	Safety	Safety equipments	NA	3.50
10	DMP	"Disaster Management cell"	-	8.50

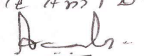
**51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)**

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

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

SEAC Meeting No: 72 Meeting Date: October 2, 2018

Page 102 of 146

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

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

No Information Available

### 53.Traffic Management

	<b>Nos. of the junction to the main road &amp; design of confluence:</b>	As per Parking & Traffic Management Plan
<b>Parking details:</b>	<b>Number and area of basement:</b>	NA
	<b>Number and area of podia:</b>	2 nos. with area 8451.61 m2
	<b>Total Parking area:</b>	11186.79 m2
	<b>Area per car:</b>	12.5 m2
	<b>Area per car:</b>	12.5 m2
	<b>Number of 2-Wheelers as approved by competent authority:</b>	856
	<b>Number of 4-Wheelers as approved by competent authority:</b>	215
	<b>Public Transport:</b>	Bus Stop is 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>	Water NOC received Drainage NOC received garden NOC received
	<b>Have you previously submitted Application online on MOEF Website.</b>	No
	<b>Date of online submission</b>	-

### SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorisred in brief information of Project as below.

 <b>Joy S.Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 72 Meeting Date: October 2, 2018</b>	<b>Page 103 of 146</b>	<b>Name: K 072 Anil D.</b> <b>Signature: Anil</b> <b>Shri. Anil Kale (Chairman SEAC-III)</b>
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## Brief information of the project by SEAC

**Environment Clearance for Proposed Residential and Commercial project at S. no. 97 (P) Village Borhadewadi, Tal. Haveli, Pune, Maharashtra by Kumar Company.**

PP submitted their application for prior Environmental clearance for total plot area of 15584.68 Sq. Mtrs, BUA of 55750.35 Sq. Mtrs and FSI area of 28005.06 Sq. Mtrs. PP proposes to construct 5 no. residential buildings + 1 residential MHADA building + 1 club house.

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

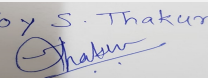
***SEAC decided to recommend the proposal for prior environmental Clearance, subject to PP complying with the above conditions.***

### Specific Conditions by SEAC:

1) PP to submit details of CER activities in consultation with the affected people in the project area as per MoEF & CC circular dated 1/05/2018. Considering plan for 5 years also remove training component from the plan and upload consent from agency to carry out the plan.

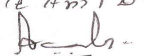
## FINAL RECOMMENDATION

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: 72 Meeting Date: October 2,  
2018

Page 104  
of 146

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



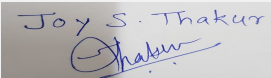
## 72 nd Meeting of SEAC-3 (Day-3)

**SEAC Meeting number: 72 Meeting Date October 2, 2018**

**Subject:** Environment Clearance for Proposed Residential & Commercial Project at S. No 17/1/2/3 , 18/1/2 , 19/1/2/3 , Saswad., Tal. - Purandar , Pune. By M/s. Sable Sanjivani Saswad infrastructure LLP.

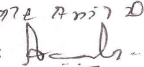
**Is a Violation Case:** No

1.Name of Project	" Sangameshwar "
2.Type of institution	Private
3.Name of Project Proponent	Mr. Nitin Govind Sable
4.Name of Consultant	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) - 400 604., Maharashtra, India. PH: 91-22-2580 1529/21/46 Accreditation No : NABET/EIA/1518/RA0066
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	Not applicable
8.Location of the project	Sangameshwar, S. No 17/1/2/3 , 18/1/2 , 19/1/2/3 , Saswad.
9.Taluka	Purandar
10.Village	Saswad
Correspondence Name:	Mr. Vishal Kukade
Room Number:	----
Floor:	----
Building Name:	Sable Sanjivani
Road/Street Name:	Subhash Nagar
Locality:	Shukrawar Peth
City:	Pune
11.Area of the project	Saswad Nagar Parishad
12.IOD/IOA/Concession/Plan Approval Number	iN PROCESS
	<b>IOD/IOA/Concession/Plan Approval Number:</b> IOD/IOA/Concession/Plan Approval Number : Inprocess Dt. 14/05/2018
	<b>Approved Built-up Area:</b> 88047.07
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	65, 100.00 sq.mt.
16.Deductions	4, 564.00 sq.mt.
17.Net Plot area	60, 536.00 sq.mt.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	<b>a) FSI area (sq. m.):</b> 70,437.66 sq.mt.
	<b>b) Non FSI area (sq. m.):</b> 17609.41 Sq.mt.
	<b>c) Total BUA area (sq. m.):</b> 88047.07
18 (b).Approved Built up area as per DCR	<b>Approved FSI area (sq. m.):</b> 70,437.66 sq.mt.
	<b>Approved Non FSI area (sq. m.):</b> 17609.41 Sq.mt.
	<b>Date of Approval:</b> 14-05-2018
19.Total ground coverage (m2)	19, 111.56
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	35
21.Estimated cost of the project	980000000

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

**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

**Page 105  
of 146**

**Name:** K. Anil Kale  
**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	Sector 1- 1	P+8	22.8 m
2	Sector 1- 2	P+8	22.8 m
3	Sector 1- 3	P+8	22.8 m
4	Sector 1- 4	P+8	22.8 m
5	Sector 1- 5	P+8	22.8 m
6	Sector 1- 6 & 7	P+8	22.8 m
7	Sector 1- Commercial	P+4	18.0 m
8	Sector 2- 1	P+8	22.8 m
9	Sector 2- 2	P+8	22.8 m
10	Sector 2- 3	P+8	22.8 m
11	Sector 2- 4	P+8	22.8 m
12	Sector 2- 5	P+8	22.8 m
13	Sector 2- 6	P+8	22.8 m
14	Sector 2- 7	P+8	22.8 m
15	Sector 2- 8	P+8	22.8 m
16	Amenity Building	P+7	23.90 m

<b>23. Number of tenants and shops</b>	Tenement : 1233No, Shop 439 No, skill development centre
<b>24. Number of expected residents / users</b>	6165 (Residents), 2296 (Commercial), (250) Skill Development Centre
<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>	Nearest fire station distance 19 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 m.
<b>29. Existing structure (s) if any</b>	Yes, Will be demolish further
<b>30. Details of the demolition with disposal (If applicable)</b>	Yes , Concrete = 63.10 cum, Steel = 2.5 mt. , Brick Work = 90.75 cum , Asbestos Sheet Roofing = 473 cum , Kotah Flooring = 444.85 sqm , Wooden Doors = 24.24 sqm , MS Window = 41.15 sqm, Rolling Shutter = 17.28 sqm

## 31. Production Details

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

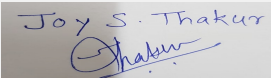
 <b>Joy S. Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 72 Meeting Date: October 2, 2018</b>	<b>Page 106 of 146</b>	<b>Name: K. Anil Kale</b>  <b>Shri. Anil Kale (Chairman SEAC-III)</b>
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## 32.Total Water Requirement

<b>Dry season:</b>	<b>Source of water</b>	Saswad Municipal Council
	<b>Fresh water (CMD):</b>	609.00
	<b>Recycled water - Flushing (CMD):</b>	342.25
	<b>Recycled water - Gardening (CMD):</b>	53.00
	<b>Swimming pool make up (Cum):</b>	NA
	<b>Total Water Requirement (CMD) :</b>	1004.25
	<b>Fire fighting - Underground water tank(CMD):</b>	150
	<b>Fire fighting - Overhead water tank(CMD):</b>	10 Each Building
	<b>Excess treated water</b>	455.00
<b>Wet season:</b>	<b>Source of water</b>	Saswad Municipal Council
	<b>Fresh water (CMD):</b>	609.00
	<b>Recycled water - Flushing (CMD):</b>	342.25
	<b>Recycled water - Gardening (CMD):</b>	—
	<b>Swimming pool make up (Cum):</b>	NA
	<b>Total Water Requirement (CMD) :</b>	951.25
	<b>Fire fighting - Underground water tank(CMD):</b>	150
	<b>Fire fighting - Overhead water tank(CMD):</b>	10 Each Building
	<b>Excess treated water</b>	515.00
<b>Details of Swimming pool (If any)</b>	NA	

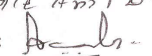
## 33.Details of Total water consumed

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

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

**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

**Page 107 of 146**

**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 : 5 meter Pre monsoon : 8 meter
	<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>	8Nos + 2 dugwells
	<b>Size of recharge pits :</b>	1 m x1m depth5m ( 5 no) 1mx1mx depth 4 m with borewell of 30 m ( 3 no) 10 m diameter and depth 10m + ( 2 no dugwells)
	<b>Budgetary allocation (Capital cost) :</b>	5.00 Lacs
	<b>Budgetary allocation (O &amp; M cost) :</b>	0.5 Lacs
	<b>Details of UGT tanks if any :</b>	RESI: Domestic Capacity ( CUM ) : 867 Flushing Tank Capacity ( CUM ) : 279 Fire Capacity ( CUM ) : 150 COMM: Domestic capacity( CUM): 69 Flushing tank capacity (CUM):57 Fire capacity (CUM): NA Ammenity (skill Dev) : Domestic tank capacity (CUM):7.5 Flushing tank capacity (CUM):6.25 Fire tank Capacity(CUM): 50

<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	STORM WATER DISPOSAL TO NEARBY NALLA
	<b>Quantity of storm water:</b>	1726.82 m3/hr
	<b>Size of SWD:</b>	450mm Wide Gutter with slope 1:200

<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	857.25
	<b>STP technology:</b>	PHYTORID + Package type/phyto
	<b>Capacity of STP (CMD):</b>	450+400+15= 865 KLD
	<b>Location &amp; area of the STP:</b>	AS PER ATTACHED LAYOUT
	<b>Budgetary allocation (Capital cost):</b>	331.96 Lacs
	<b>Budgetary allocation (O &amp; M cost):</b>	16.90 Lacs

### 36.Solid waste Management

<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	Excavation = 29999.28 cum , Filling in Plinth = 17307.28 cum , Filling at Front Side = 2491.20 cum , Concrete = 22650.06 cum , Steel = 2160 mt , AAC Blocks = 10649.74 cum
	<b>Disposal of the construction waste debris:</b>	Excavation = 10200.80 , Concrete = 453 , Steel = 43.20 , AAC Blocks = 212.99

<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	1615
	<b>Wet waste:</b>	2104
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	Less Than 3 %
	<b>Others if any:</b>	NA

<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Dry waste will be sent for recycling to Saswad Ngar Parishad
	<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>	25 m2
	<b>Area for machinery:</b>	65 m2
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	59.50 Lacs
	<b>O &amp; M cost:</b>	14.50 Lacs

### 37. Effluent Characteristics

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

### 38. Hazardous Waste Details

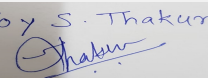
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 39. Stacks emission Details

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

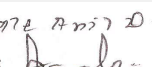
### 40. Details of Fuel to be used

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

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

**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

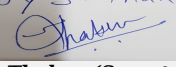
**Page 109 of 146**

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

<b>43.Green Belt Development</b>	<b>Total RG area :</b>	5, 540.97 Sq.mt.
	<b>No of trees to be cut :</b>	22 to be Replant or Retain
	<b>Number of trees to be planted :</b>	765 Nos
	<b>List of proposed native trees :</b>	Refer Below list
	<b>Timeline for completion of plantation :</b>	1 year before construction 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	Prosopis cineraria	Shami	25	Hardy species, good for restoration of semi arid areas. Drought resistant grows in very poor soil in semi arid areas
2	Aegle marmelos	Bel	48	Aegle marmelos is native across the Indian subcontinent. It has a reputation in India for being able to grow in places that other trees cannot. It copes with a wide range of soil conditions (pH range 5- 10), is tolerant of water logging and has an unusually wide temperature tolerance (from-7°C to 48 °C). It requires a pronounced dry season to give fruit.
3	Azadirachta Indica	Neem	63	Good for restoration of drier parts
4	Schleichera oleosa	Kusum	43	It is a larval host for butterflies Malayan, western centaur oakblue, common hedge blue.
5	Cassia fistula	Bahava	36	It is a larval host for butterflies like common emigrant.
6	Butea monosperma	Palas	42	Used in afforestation of saline and waterlogged regions. It is larval host for butterflies.
7	Emblica officinalis	Awala	47	Plant with good regenerative capacity, sturdy. Good for restoration of forest clearing.
8	Bauhinia purpurea	Rakta-Kanchan	38	Leguminous, hardy species, drought resistant, good for plantation on land with less soil layers
9	Mimusops elengi	Bakul	63	Fruits are eaten by animals
10	Tamarindus indica	Chincha	56	Good for shade. Reduces temperatures. Fruits are favoured by wild animals.
11	Phoenix sylvestris	Palm- Shindi	42	Ripe fruits are eaten by many animals. this also helps in seed dispersal.
12	Madhuca Latifolia	Moha	48	Flowers attract many insects, bees.

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

**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

**Page 110 of 146**

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

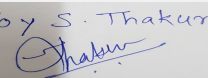
13	Albizia lebbeck	Shirish	43	It is a larval host for butterflies common grass yellow. A fast growing nitrogen- fixing, heavy shade tree, recommended for reforestation and firewood plantations. older trees withstand grass
14	Mangifera Indica	Mango	78	Dominant in all kind of forets. Fruits are eaten by wild animals. It is a larval host for butterfly.
15	Ficus religiosa	Pimpal	21	Profusely fruiting trees attract a lot of fruit eating birds. it is a larval host for butterflies.
16	Bombax ceiba	Kate sawar	27	The seedling do not stand transplantation well, and hence direct sowing in the fields is recommended. Stump planting also gives good results.
17	Butea monosperma	Ashoka	45	Used in afforestation of saline and waterlogged regions.

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

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

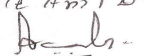
Serial Number	Name	C/C Distance	Area m2
1	Koynel - Clerodendrum inermis	0.50 m c/c	200
2	Nirgudi - Vitex negundo	0.50m c/c	150
3	Chitrak - Plumbago Zeylanica	0.50m c/c	300
4	Tarwad - Cassia auriculata	0.50m c/c	300
5	Kunti - Murraya Exotica	1.00m c/c	300
6	Champa	1.50m c/c	1500
7	Ananta	1.00m c/c	400
8	Jai-Jui	1.00m c/c	300
9	Boganwel	0.50m c/c	400

**47.Energy**

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

**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

**Page 111 of 146**

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

<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	55KW
	<b>DG set as Power back-up during construction phase</b>	82.5KVA
	<b>During Operation phase (Connected load):</b>	6123KW
	<b>During Operation phase (Demand load):</b>	4799KVA
	<b>Transformer:</b>	8 Nos X 630 KVA
	<b>DG set as Power back-up during operation phase:</b>	2 Nos X 250KVA+ 1 Nos X 82.5KVA
	<b>Fuel used:</b>	DIESEL qty
	<b>Details of high tension line passing through the plot if any:</b>	NA

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

1. LED are proposed for building Common area Viz. Lobby, Parking & Passages & Staircase, street light etc.
2. 50% of Street lights are on solar system
3. 1% of Solar Photovoltaic generation on total connected load
4. Solar water heating is being proposed for hot water in one of the bath in flats qty
5. As per MSEDCL requirements, we are planned to use high efficiency Transformer to reduce losses.

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

Serial Number	Energy Conservation Measures	Saving %
1	Saving by considering energy saving practices	20 %

#### 50. Details of pollution control Systems

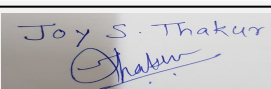
Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	65.90 Lacs
	<b>O &amp; M cost:</b>	3.30 Lacs

### 51. Environmental Management plan Budgetary Allocation

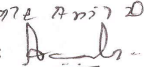
#### a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Erosion control - dust suppression measures, barricading and top soil preservation	1.2
2	Land	Labour Camp toilets & sanitation	2.40

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

**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

**Page 112 of 146**

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



3	Health and Safety	Labour Safety Equipments and training	4.0
4	facility	Disinfection and Health Check-ups	0.51
5	Environment Management	Environmental Monitoring	1.85

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

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	Engineered Constructed Wetland (ECW)	331.96	16.90
2	Solid Waste Management	Solid Waste Management	59.50	14.50
3	Landscaping	Development and Maintenance	76.83	5.82
4	Rain Water Harvesting	Recharge pits with bore well	5.00	0.5
5	Energy Saving	Energy Saving Features	65.90	3.30

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

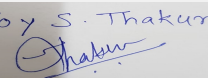
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

**52.Any Other Information**

No Information Available

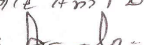
**53.Traffic Management**

Nos. of the junction to the main road & design of confluence:	NO
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**Joy S.Thakur (Secretary SEAC-III)**

**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

**Page 113 of 146**

**Name: K ०१६ ७५११ २०**  
**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>	NA
	<b>Total Parking area:</b>	6, 400 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>	1460Nos ( Covered ) + 61 (for amenity building)
	<b>Number of 4-Wheelers as approved by competent authority:</b>	324.Nos ( Covered ) + 31 (for amenity building)
	<b>Public Transport:</b>	Available near to side
	<b>Width of all Internal roads (m):</b>	6.00M AND 9.00M
	<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>	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>	-

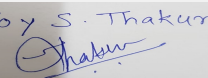
## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorisred in brief information of Project as below.

### Brief information of the project by SEAC

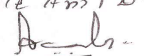
**Environment Clearance for Proposed Residential & Commercial Project at S. No 17/1/2/3 , 18/1/2 , 19/1/2/3 , Saswad., Tal. - Purandar , Pune. By M/s. Sable Sanjivani Saswad infrastructure LLP.**

PP submitted their application for prior Environmental clearance for total plot area of 65,100.00 Sq. Mtrs, BUA of 88047.07 Sq. Mtrs and FSI area of 70437.66 Sq. Mtrs. PP proposes to construct 15 no. residential & commercial buildings +1 amenity building.

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**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

**Page 114 of 146**

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

## DECISION OF SEAC

*PP remains absent, hence committee decided to defer the proposal.*

Specific Conditions by SEAC:

## FINAL RECOMMENDATION

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

SEAC-AGENDA-00000000145

<p>Joy S. Thakur  Joy S. Thakur (Secretary SEAC-III)</p>	<p><b>SEAC Meeting No: 72 Meeting Date: October 2, 2018</b></p>	<p><b>Page 115 of 146</b></p>	<p><b>Name: K 072 Anil D.</b> <b>Signature: </b> <b>Shri. Anil Kale (Chairman SEAC-III)</b></p>
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## 72 nd Meeting of SEAC-3 (Day-3)

**SEAC Meeting number: 72 Meeting Date October 2, 2018**

**Subject:** Environment Clearance for Residential cum commercial construction project at Tathwade by Roshan Realty

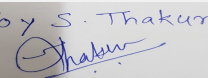
**Is a Violation Case:** No

<b>1.Name of Project</b>	Proposed Residential cum commercial construction project at Tathwade by Roshan Realty
<b>2.Type of institution</b>	Private
<b>3.Name of Project Proponent</b>	Mr. Rahul Sankla
<b>4.Name of Consultant</b>	EMP consultant: Oasis Environmental Foundation, Accredited by NABET, the scope of consultancy is limited to preparation of environmental management plan only. (In accordance with EIA amendment notification 3rd March 2016)
<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. 105
<b>9.Taluka</b>	Mulshi
<b>10.Village</b>	Tathwade
<b>Correspondence Name:</b>	Mr. Rahul Sankla
<b>Room Number:</b>	804
<b>Floor:</b>	-
<b>Building Name:</b>	Hyde Park Tower-E
<b>Road/Street Name:</b>	Market Yard Road
<b>Locality:</b>	Pitale Nagar
<b>City:</b>	Pune
<b>11.Area of the project</b>	Pimpri Chinchwad Municipal Corporation
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	Applied for sanction to PCMC
	<b>IOD/IOA/Concession/Plan Approval Number:</b> Applied for sanction to PCMC
	<b>Approved Built-up Area:</b>
<b>13.Note on the initiated work (If applicable)</b>	No work is initiated at site
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	Approval is to be obtained from PCMC
<b>15.Total Plot Area (sq. m.)</b>	11300.00 SQM
<b>16.Deductions</b>	521.21 SQM
<b>17.Net Plot area</b>	9696.78 SQM
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> 23564.09
	<b>b) Non FSI area (sq. m.):</b> 34,576.54
	<b>c) Total BUA area (sq. m.):</b> 58140
<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>	3873.48
<b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>	38%
<b>21.Estimated cost of the project</b>	980000000

## 22.Number of buildings & its configuration

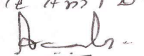
 <b>Joy S.Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 72 Meeting Date: October 2, 2018</b>	<b>Page 116 of 146</b>	<b>Name: K. Anil Kale</b>  <b>Shri. Anil Kale (Chairman SEAC-III)</b>
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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)	
1	A, B, C, D	B1 + B2 + S + 12 FLOOR	38.25	
2	E, F	B1 + B2 + S + 11 FLOOR	33.05	
3	Club House	G + 1 Floor	7.00	
<b>23.Number of tenants and shops</b>	TENANTS - 586, NO. OF SHOPS - 24			
<b>24.Number of expected residents / users</b>	Residential Population - 2930, Commercial - 221. Total - 3151			
<b>25.Tenant density per hectare</b>	250/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>	12 mt			
<b>28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation</b>	9 mt			
<b>29.Existing structure (s) if any</b>	NIL			
<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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**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

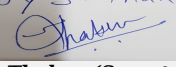
**Page 117 of 146**

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

Dry season:	Source of water	PCMC
	Fresh water (CMD):	273
	Recycled water - Flushing (CMD):	138
	Recycled water - Gardening (CMD):	8
	Swimming pool make up (Cum):	2.8
	Total Water Requirement (CMD) :	428
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	120
	Excess treated water	238
Wet season:	Source of water	PCMC
	Fresh water (CMD):	273
	Recycled water - Flushing (CMD):	138
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	2.8
	Total Water Requirement (CMD) :	436
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	120
	Excess treated water	246
Details of Swimming pool (If any)	SIZE = 19'6" X 13' AREA = 253.50 Sq.Ft. = 23.52 Sq.M. WATER CAPACITY = 28,392 Lit./day COSTING = RS. 5,67,840	


### 33.Details of Total water consumed

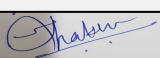
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	0	273	273	0	27.3	27.3	0	246	246
Gardening	Not applicable	8	8	Not applicable	8	8	Not applicable	8	8

  
 Joy S.Thakur (Secretary SEAC-III)

SEAC Meeting No: 72 Meeting Date: October 2, 2018

Page 118 of 146

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>	2-6 mt.
	<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
	<b>Size of recharge pits :</b>	1.5M x 1.5M x 1.5M
	<b>Budgetary allocation (Capital cost) :</b>	4 lack
	<b>Budgetary allocation (O &amp; M cost) :</b>	0.12 lakh
	<b>Details of UGT tanks if any :</b>	FOR UGT For A,B C & D Building FOR DOMESTIC Capacity (m3) - 410 FOR FIRE FIGHTING Capacity (m3) - 300 For Commercial Capacity (m3) - 9.1
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	Slope is from North to South (4 mt. difference)
	<b>Quantity of storm water:</b>	6617 m3 / Year
	<b>Size of SWD:</b>	450 mm
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	400
	<b>STP technology:</b>	MBBR
	<b>Capacity of STP (CMD):</b>	1
	<b>Location &amp; area of the STP:</b>	Near Building C
	<b>Budgetary allocation (Capital cost):</b>	90 lacs
	<b>Budgetary allocation (O &amp; M cost):</b>	19 lacs
<b>36.Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	Total excavated waste generated is 26600 cum.
	<b>Disposal of the construction waste debris:</b>	Excavation will be done for basement & foundation. Excavated material will be used for back filling and leveling, Excavated rock, basalt stone will be used for soling and can also be used for making crush sand and metal by crushing it from nearby crusher. Top soil will be stored for landscaping.
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	619 Kg/Day
	<b>Wet waste:</b>	901 Kg/Day
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	38 Kg /Day
	<b>Others if any:</b>	NA
 <b>Joy S.Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 72 Meeting Date: October 2, 2018</b>	<b>Page 119 of 146</b>
		<b>Signature:</b>  <b>Shri. Anil Kale (Chairman SEAC-III)</b>

<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Handed over to authorized vendor
	<b>Wet waste:</b>	Treated in organic waste composting machine and manure will be used for landscaping in own premises
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	Used as manure
	<b>Others if any:</b>	NA
<b>Area requirement:</b>	<b>Location(s):</b>	NEAR BUILDING C
	<b>Area for the storage of waste &amp; other material:</b>	15 SQM
	<b>Area for machinery:</b>	60 SQM
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	26
	<b>O &amp; M cost:</b>	6

### 37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	-	7 to 8.5	6.5 - 7.5	-
2	Oil & Grease	mg/l	10	< 5	-
3	BOD	mg/l	250 - 300	< 10	-
4	COD	mg/l	300 - 400	< 30	-
5	SS	mg/l	350-450	< 5	-
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

### 38. Hazardous Waste Details

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

### 39. Stacks emission Details

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

### 40. Details of Fuel to be used

 <b>Joy S. Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 72 Meeting Date: October 2, 2018</b>	<b>Page 120 of 146</b>	<b>Name: K. Anil Kale</b>  <b>Shri. Anil Kale (Chairman SEAC-III)</b>
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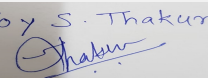


Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel for DG Set	Not applicable	42.6 lit/hr	42.6 lit/hr
41.Source of Fuel		Not applicable		
42.Mode of Transportation of fuel to site		Not applicable		

<b>43.Green Belt Development</b>	<b>Total RG area :</b>	1151 SQM
	<b>No of trees to be cut :</b>	Nil
	<b>Number of trees to be planted :</b>	143
	<b>List of proposed native trees :</b>	Attached with Form1, 1A
	<b>Timeline for completion of plantation :</b>	5

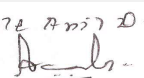
#### 44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Michelia champaca	Sonchaffa	08	Medicinal value, Fragrant flowers, Butterfly larvae host plant, Bird attracting species, Fast growing.
2	Albizia lebek	Shirish	08	Medicinal for Skin, Fragrant flowers, To control soil erosion, Bird attracting species ( Para kids eat seeds )
3	Anthocephalus kadamba	Kadamb	08	Medicinal value, To control soil erosion, Birds, squirrels, monkey eat fruits.
4	Azardirachta indica	Neem	08	Medicinal value, To control soil erosion. To improve soil erosion
5	Bauhinia blackiana	Kanchanraj	10	Every part of the plant is medicinal, Drought tolerant species.
6	Butea monosperma	Palas	10	Medicinal value, Bird attracting species , To control soil erosion
7	Cassia fistula	Bahawa	04	Medicinal value, Drought tolerant species, Very ornamental Well flowering plant, Honey bee attracting species, Host plant for Butterfly
8	Pongamia pinnata	Karanj	04	Medicinal value, Drought tolerant species, To control soil erosion. Hardy plant
9	Cordia dichotoma	Bhokar	04	Medicinal value, Edible fruits,
10	Dalbergia sissoo	Shisav	04	Medicinal value, Bird attracting species ,
11	Elaeocarpus sphaericus	Rudraksh	08	Medicinal value
12	Schleichera oleosa	Kusum	04	Native species, Fragrant flowers.
13	Ficus retusa	Nandruk	04	Medicinal value, Bird attracting species, Drought tolerant species, Hardy plant.

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

**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

**Page 121 of 146**

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

14	Phyllanthus emblica	Awala	04	Medicinal value
15	Mangifera indica	Mango	13	Edible fruit, Bird attracting species.
16	Nyctanthus arbortristis	Parijatak	10	Fragrant flowers, Medicinal value
17	Mimosups elengii	Bakul	13	Fragrant flowers, Medicinal value, To control soil erosion.
18	Ficus glomerata	Umber	13	Medicinal value, Edible fruits, Bird attracting species
19	Murraya exotica	Kamini	04	Native species, Fragrant flowers,

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

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

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

**47.Energy**

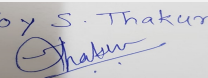
<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	75 KW
	<b>DG set as Power back-up during construction phase</b>	125 KVA x 1 No.
	<b>During Operation phase (Connected load):</b>	2306 KW
	<b>During Operation phase (Demand load):</b>	1368 KW
	<b>Transformer:</b>	2 Nos. x 630 KVA , 1 No x 315 KVA
	<b>DG set as Power back-up during operation phase:</b>	250 KVA X 1 No (will be used only electricity failure)
	<b>Fuel used:</b>	Disel
<b>Details of high tension line passing through the plot if any:</b>	Not Applicable	

**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.

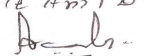
**49.Detail calculations & % of saving:**

Serial Number	Energy Conservation Measures	Saving %
1	Solar PV Panels	18900 KWH / Anum
2	Timer Logic Controller	82673 KWH / Anum

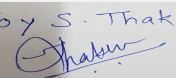
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**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

**Page 122 of 146**

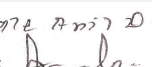
**Name: K. Anil Kale**  
  
**Signature: Shri. Anil Kale (Chairman SEAC-III)**

3	Electronic V3F drive for Lifts	22872 KWH / Anum		
4	Solar Water Heater	570998.4 KWH / Anum		
<b>50.Details of pollution control Systems</b>				
<b>Source</b>	<b>Existing pollution control system</b>	<b>Proposed to be installed</b>		
Sewage water generation	Not applicable	STP of 400 KLD with MBBR Technology will be installed in operation phase		
Wet garbage	Not applicable	Organic waste composting machine will be used to treat the wet waste		
DG Set	Not applicable	Acoustic enclosure to DG set to minimize the noise pollution		
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	75 Lacs		
	<b>O &amp; M cost:</b>	3 Lacs		
<b>51.Environmental Management plan Budgetary Allocation</b>				
<b>a) Construction phase (with Break-up):</b>				
<b>Serial Number</b>	<b>Attributes</b>	<b>Parameter</b>	<b>Total Cost per annum (Rs. In Lacs)</b>	
1	Erosion control	Dust suppression by water sprinkling	0.50	
2	Site Sanitation & Safety	Provision of toilets	2	
3	Disinfection	For labour	0.12	
4	Health Check up	For labour	0.25	
<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	STP	1 no. of STP having 400 KLD capacity	90	19
2	Solid waste Management	Organic waste composting machine	26	6
3	Storm water network	Internal storm water networking	25	0.50
4	Rain Water Harvesting	5 no of RWH pits	4	0.12
5	Swimming Pool	Swimming pool with size - SIZE = 19'6" X 13'	6	0.60
6	Landscape	For plantation of 143 no of trees	19	3
7	Renewable Energy	For water heating & street lightning	75	3
8	Environmental Monitoring	For air, water, noise monitoring, six monthly compliance etc.	-	2.6
9	Site safety training and awareness	For safety & taring purpose	5	1
10	Water tanker provision in case of emergency (3 months)	for domestic water requiremnt	-	12

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

**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

**Page 123 of 146**

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

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

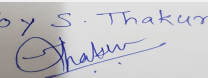
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

## 52.Any Other Information

No Information Available

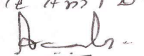
## 53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1
Parking details:	Number and area of basement:	2 no of basement. Area - 12900 SQM
	Number and area of podia:	No
	Total Parking area:	16,840.00 SQM
	Area per car:	35 SQM for basement, 30 for stilt, 25 SQM for open car parking (Including drive ways)
	Area per car:	35 SQM for basement, 30 for stilt, 25 SQM for open car parking (Including drive ways)
	Number of 2-Wheelers as approved by competent authority:	1336
	Number of 4-Wheelers as approved by competent authority:	338
	Public Transport:	NIL
	Width of all Internal roads (m):	6 mt.
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	8 (a)
	Court cases pending if any	No

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

**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

**Page 124 of 146**

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

	<b>Other Relevant Informations</b>	NO
	<b>Have you previously submitted Application online on MOEF Website.</b>	No
	<b>Date of online submission</b>	-

## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summarised in brief information of Project as below.

### Brief information of the project by SEAC

#### **Environment Clearance for Residential cum commercial construction project at Tathwade by Roshan Realty.**

PP submitted their application for prior Environmental clearance for total plot area of 11300.00 Sq. Mtrs, BUA of 58140 Sq. Mtrs and FSI area of 23564.09 Sq. Mtrs. PP proposes to construct 6 no. of residential & commercial building +1 club house.

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

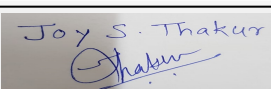
***PP requested for time to submit above information; after deliberations committee asked PP to comply with the above observations and submit information to the committee for further discussion and consideration of SEAC.***

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

- 1) PP to shift STP & OWC at suitable locations and it should be open to sky.
- 2) PP to submit cross section through UGT with top of tank, and maintain some distance above the ground level.
- 3) PP to submit revised parking layout plan for all floor also show ramp width and slop.
- 4) PP to submit details of CER activities in consultation with the affected people in the project area as per MoEF & CC circular dated 1/05/2018. With details of fund utilization & agreement or consent of executor.
- 5) PP to submit approved parking plan.
- 6) PP to submit cross section at four places including UGT, OWC and DG set location showing clear road width 6 meter, 1.5 meter distance left from building line & spaces left for plantation, parking, service lines, foot paths, etc.
- 7) PP to submit STP details.

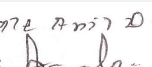
### FINAL RECOMMENDATION

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

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

**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

**Page 125  
of 146**

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

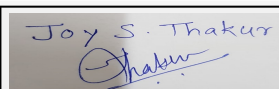
## 72 nd Meeting of SEAC-3 (Day-3)

**SEAC Meeting number: 72 Meeting Date October 2, 2018**

**Subject:** Environment Clearance for Proposed residential cum commercial construction project at S. No. Survey No. 227/a/227/1 to 17/Plot No. 1 & Plot No. 2, Opposite Symbiosis Law College, New VIP Road, Viman Nagar Pune

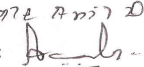
**Is a Violation Case:** No

<b>1.Name of Project</b>	Proposed residential Construction by Shubh Landmarks
<b>2.Type of institution</b>	Private
<b>3.Name of Project Proponent</b>	Mr. Anuj Agarwal
<b>4.Name of Consultant</b>	EMP consultant:Oasis Environmental Foundation, accredited by NABET, the scope of consultancy is limited to preparation of environmental management plan only. (In accordance with EIA amendment notification 3rd March 2016)
<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. 227/a/227/1 to 17/Plot No. 1 & Plot No. 2
<b>9.Taluka</b>	Haveli
<b>10.Village</b>	Viman Nagar
<b>Correspondence Name:</b>	Mr. Anuj Agarwal
<b>Room Number:</b>	Mittal house, M2/13,14
<b>Floor:</b>	-
<b>Building Name:</b>	NISARG HOUSING SOCIETY
<b>Road/Street Name:</b>	OPPOSITE GOLF COURSE
<b>Locality:</b>	YERWADA
<b>City:</b>	PUNE
<b>11.Area of the project</b>	PUNE MUNICIPAL CORPORATION
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	IN PROCESS <b>IOD/IOA/Concession/Plan Approval Number:</b> IN PROCESS <b>Approved Built-up Area:</b>
<b>13.Note on the initiated work (If applicable)</b>	NO CONSTRUCTION WORK IS INITIATED FOR PROPOSED CONSTRUCTION PLAN ONLY TEMPORARY SITE OFFICE IS THERE WHICH WILL BE DEMOLISHED DURING CONSTRUCTION PHASE
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	SANCTION FROM PUNE MUNICIPAL CORPORATION IS IN PROCESS
<b>15.Total Plot Area (sq. m.)</b>	8830.00
<b>16.Deductions</b>	459.69
<b>17.Net Plot area</b>	8402.06
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	a) FSI area (sq. m.): 24589.29 b) Non FSI area (sq. m.): 20552.27 c) Total BUA area (sq. m.): 45141.56
<b>18 (b).Approved Built up area as per DCR</b>	Approved FSI area (sq. m.): Approved Non FSI area (sq. m.): Date of Approval: 01-01-1900
<b>19.Total ground coverage (m2)</b>	2964.16
<b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>	34.97 %
<b>21.Estimated cost of the project</b>	980000000

  
Joy S.Thakur (Secretary  
SEAC-III)

**SEAC Meeting No: 72 Meeting Date: October 2,  
2018**

**Page 126  
of 146**

**Name:** K. Anil Kale  
**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	A	B+G+11	34.80
2	B	B+G+11	34.80
3	C	B+G+11	34.80
4	D	B+G+11	34.80
5	Club House	1	3.00

23. Number of tenants and shops	TENANTS - 216 & SHOPS - 31, Offices - 23
24. Number of expected residents / users	RESIDENTIAL - 1080 , COMMERCIAL - 727
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))	Right of way is 20 MT
28. Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 MT
29. Existing structure (s) if any	TEMPORARY STRUCTURE OF SITE OFFICE WHICH WILL BE DEMOLISHED DURING CONSTRUCTION PHASE
30. Details of the demolition with disposal (If 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

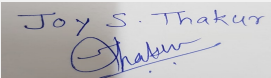
 <b>Joy S. Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 72 Meeting Date: October 2, 2018</b>	<b>Page 127 of 146</b>	<b>Name: K. Anil Kale</b>  <b>Shri. Anil Kale (Chairman SEAC-III)</b>
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Dry season:	Source of water	PMC
	Fresh water (CMD):	117
	Recycled water - Flushing (CMD):	67
	Recycled water - Gardening (CMD):	2
	Swimming pool make up (Cum):	7.2
	Total Water Requirement (CMD) :	186
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	80
	Excess treated water	104
Wet season:	Source of water	PMC
	Fresh water (CMD):	117
	Recycled water - Flushing (CMD):	67
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	7.2
	Total Water Requirement (CMD) :	186
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	80
	Excess treated water	106

**Details of Swimming pool (If any)**  
 PROPOSED SWIMMING POOL LOCATION IS ON PODIUM.  
 SIZE IS 18' X 36' (DEPTH = 4'). TOTAL AREA = 60.11 SQM  
 WATER CAPACITY FOR SWIMMING POOL = 72,576 L/DAY , MAKEUP WATER REQUIREMENT = 7257.6 L/DAY

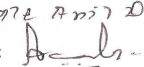
### 33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Water Requirement									
Fresh water requirement	Not applicable	112	112	Not applicable	11	101	Not applicable	101	101
Gardening	Not applicable	2	2	Not applicable	0	0	Not applicable	0	0

  
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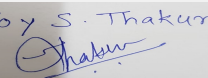
**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

**Page 128 of 146**

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

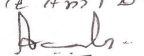


<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	Pre Monsoon- 12 to 15 Mt. below ground level. Post monsoon- 4 to 6 Mt. below ground level
	<b>Size and no of RWH tank(s) and Quantity:</b>	NA
	<b>Location of the RWH tank(s):</b>	NA
	<b>Quantity of recharge pits:</b>	4
	<b>Size of recharge pits :</b>	2.0 M X 2.0 M X 1.5M
	<b>Budgetary allocation (Capital cost) :</b>	3,00,000.00
	<b>Budgetary allocation (O &amp; M cost) :</b>	12,000.00
	<b>Details of UGT tanks if any :</b>	FOR UGT For Residential For Commercial FOR DOMESTIC Cap (m3) 150 25 FOR FIRE FIGHTING Cap (m3) 300 0
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	NORTH TO SOUTH (98 TO 97) 1 MT. DIFFERENCE
	<b>Quantity of storm water:</b>	1415 cu.mt (annual )
	<b>Size of SWD:</b>	300 MM
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	173
	<b>STP technology:</b>	MBBR
	<b>Capacity of STP (CMD):</b>	2 NO .OF STP WILL BE PROPOSED FOR RESIDENTIAL & COMMERCIAL. CAPACITY OF STP FOR RESIDENTIAL - 140 CMD, FOR COMMERCIAL CAPACITY - 45 KLD
	<b>Location &amp; area of the STP:</b>	LOCATION OF STP WILL BE BETWEEN BUILDING D & BUILDING A. MASTER LAYOUT WITH SERVICES IS ATTACHED AS ANNEXURE II
	<b>Budgetary allocation (Capital cost):</b>	40,00,000.00
	<b>Budgetary allocation (O &amp; M cost):</b>	13,00,000.00
<b>36.Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	Waste will be generated during excavation is 19340 CUM. Will contain stone, aggregate & top soil.
	<b>Disposal of the construction waste debris:</b>	The debris and rubble removed would be used as filling material for leveling and for road construction. Top soil will be stored for landscaping
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	325 KG/DAY
	<b>Wet waste:</b>	397 KG/DAY
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	13 Kg/Day
	<b>Others if any:</b>	NA

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

**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

**Page 129 of 146**

**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 AUTHORIZED VENDOR
	<b>Wet waste:</b>	WILL BE TREATED IN ORGANIC WASTE COMPOSTING MACHINE AND USED AS MANURE
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	DRY SLUDGE USED AS MANURE
	<b>Others if any:</b>	NA
<b>Area requirement:</b>	<b>Location(s):</b>	Services layout attached
	<b>Area for the storage of waste &amp; other material:</b>	12.8 SQM
	<b>Area for machinery:</b>	28 SQM
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	15,00,000.00
	<b>O &amp; M cost:</b>	3,00,000.00

### 37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	Not applicable	7.5 - 8.5	6.5 - 7.5	NA
2	Oil & Grease	mg/l	10	< 5	-
3	BOD	mg/l	250 - 300	< 10	NOT TO EXCEED 10
4	COD	mg/l	300 - 400	< 30	NOT TO EXCEED 100
5	TSS	mg/l	350-450	< 5	NOT TO EXCEED 50
6	TDS	mg/l		<1000	-

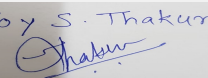
Amount of effluent generation (CMD):	Not applicable
Capacity of the ETP:	Not applicable
Amount of treated effluent recycled :	Not applicable
Amount of water send to the CETP:	Not applicable
Membership of CETP (if require):	Not applicable
Note on ETP technology to be used	Not applicable
Disposal of the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

### 38. Hazardous Waste Details

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

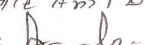
### 39. Stacks emission Details

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

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

**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

**Page 130 of 146**

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

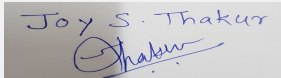
### 40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	DIESEL FOR DG SET	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>	180.25 SQM
	<b>No of trees to be cut :</b>	0
	<b>Number of trees to be planted :</b>	93
	<b>List of proposed native trees :</b>	Attached
	<b>Timeline for completion of plantation :</b>	5

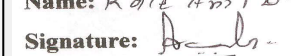
### 44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Murraya exotica	Kamini	08	Native species, Fragrant flowers
2	Anthocephalus kadamba	Kadamb	09	Medicinal value, To control soil erosion, Birds, squirrels, monkey eat fruits
3	Azardirachta indica	Neem	08	Medicinal value, To control soil erosion. To improve soil erosion
4	Bauhinia blackiana	Kanchanraj	04	Every part of the plant is medicinal, Drought tolerant species
5	Bauhinia purpurea	Gulabi kanchan	04	Every part of the plant is medicinal, Drought tolerant species.
6	Butea monosperma	Palas	04	Medicinal value, Bird attracting species , To control soil erosion
7	Cassia fistula	Bahawa	04	Medicinal value, Drought tolerant species, Very ornamental, Well flowering plant, Honey bee attracting species, Host plant for Butterfly.
8	Choclopermum religiosum	Sonsawar	04	Medicinal value, Native species
9	Cordia dichotoma	Bhokar	04	Medicinal value, Edible fruits,
10	Dalbergia sissoo	Shisav	04	Medicinal value, Bird attracting species
11	Ficus arnottiana	Payar	04	Drought tolerant species, Bird attracting species. To control soil erosion
12	Ficus glomerata	Umbur	04	Medicinal value, Edible fruits, Bird attracting species
13	Ficus retusa	Nandruk	04	Medicinal value, Bird attracting species, Drought tolerant species, Hardy plant

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

**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

**Page 131 of 146**

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

14	Mangifera indica	Mango	04	Edible fruit, Bird attracting species.
15	Michelia champaca	Sonchaffa	04	Medicinal value, Fragrant flowers, Butterfly larvae host plant, Bird attracting species, Fast growing
16	Roystonea regia	Bottle palm	08	Ornamental plant, Medicinal value, Birds & bats eat fruits.
17	Syzygium cumini	Jamun	04	Medicinal value, Edible fruits,
18	Caryota urens	Fishtail palm	08	Grown in any type of soil. Very Hardy.
<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	-	-	-

#### 47.Energy

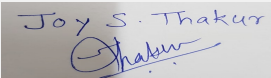
<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	75 KW
	<b>DG set as Power back-up during construction phase</b>	125 KVA
	<b>During Operation phase (Connected load):</b>	2002 KW
	<b>During Operation phase (Demand load):</b>	1005 KW
	<b>Transformer:</b>	2 x 630 KVA
	<b>DG set as Power back-up during operation phase:</b>	125 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:

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

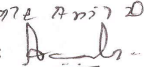
#### 49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar PV Panels	13500 KWH / Annum
2	Timer Logic Controller	39749 KWH / Annum
3	Electronic V3F drive for Lifts	26140 KWH / Annum

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

**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

**Page 132 of 146**

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

4	Solar Water Heater	300672 KWH / Annum
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### 50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Waste water generation	Not applicable	STP of capacity 140 & 30 CMD will be installed in construction phase
Wet waste	Not applicable	OWC machine will be installed
Noise generation from DG Set	Not applicable	Acoustic enclosure for DG set will be installed

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	58,00,000
	<b>O &amp; M cost:</b>	3,00,000

### 51.Environmental Management plan Budgetary Allocation

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

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Erosion Control	Water for dust suppression measures & Soil Preservation	0.40
2	Site Safety	Barricading & nets	0.50
3	Site Sanitation	Mobile Toilets etc.	1.00
4	Disinfection & Health Check Up	For Labors	0.50
5	Environment Monitoring	Air, Water, Noise & DG Stack	1.00

#### 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	2 no of STP having capacity 140 & 30 CMD	40	13
2	Solid waste Management	Organic waste composting	15	3
3	Storm water network	Internal storm water networking	13	0.60
4	Rain Water Harvesting	4 no of recharge pits	3	0.12
5	Landscape	93 number of trees	3	0.47
6	Renewable Energy	solar water heater & streetlighting	58	3
7	Environmental Monitoring	Air, water, noise, manure monitoring, six monthly compliance's etc.	-	2.60
8	Site safety training and awareness	Mock up drill & awareness, training	5	1

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

 <b>Joy S.Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 72 Meeting Date: October 2, 2018</b>	<b>Page 133 of 146</b>	<b>Name: K. Anil Kale</b>  <b>Shri. Anil Kale (Chairman SEAC-III)</b>
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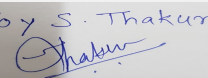
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 52. Any Other Information

No Information Available

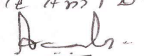
### 53. Traffic Management

	Nos. of the junction to the main road & design of confluence:	1
Parking details:	Number and area of basement:	1
	Number and area of podia:	NA
	Total Parking area:	11142.80 SQM
	Area per car:	35 SQM for basement, 30 SQM for stilt
	Area per car:	35 SQM for basement, 30 SQM for stilt
	Number of 2-Wheelers as approved by competent authority:	605
	Number of 4-Wheelers as approved by competent authority:	301
	Public Transport:	nearest bust stop
	Width of all Internal roads (m):	6 mt.
	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	NIL
	Other Relevant Informations	NA

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

SEAC Meeting No: 72 Meeting Date: October 2, 2018

Page 134 of 146

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

	<b>Have you previously submitted Application online on MOEF Website.</b>	No
	<b>Date of online submission</b>	-

## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summarised in brief information of Project as below.

### Brief information of the project by SEAC

**Environment Clearance for Proposed residential cum commercial construction project at S. No. Survey No. 227/a/227/1 to 17/Plot No. 1 & Plot No. 2, Opposite Symbiosis Law College, New VIP Road, Viman Nagar Pune by Mr. Anuj Agarwal.**

PP submitted their application for prior Environmental clearance for total plot area of 8830.00 Sq. Mtrs, BUA of 45141.56 Sq. Mtrs and FSI area of 24589.29 Sq. Mtrs. PP proposes to construct 4 no. residential & commercial building +1 club house.

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

#### Specific Conditions by SEAC:

- 1) PP to submit copy of approved layout for the big chunk of land considering open space.
- 2) PP to obtain and submit following NOC's: a) CFO NOC, b) Water supply NOC with quantity, c) Drainage NOC, d) Non-biodegradable waste disposal
- 3) PP to submit NOC from tree authority.
- 4) PP to submit fire tender movement plan.
- 5) PP to submit revised parking layout plan.
- 6) PP to submit parking statement as per norms.
- 7) PP to ensure commercial area is isolated from residential area with separate entry, exit to be given.
- 8) PP to submit debris management plan with NOC.
- 9) PP to submit cross section of UGT with headroom available
- 10) PP to submit details of CER activities in consultation with the affected people in the project area as per MoEF & CC circular dated 1/05/2018. With details of fund utilization & agreement or consent of executor.

### 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: 72 Meeting Date: October 2, 2018</b>	<b>Page 135 of 146</b>	<b>Name: K. Anil Kale</b>  <b>Signature: Shri. Anil Kale (Chairman SEAC-III)</b>
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## 72 nd Meeting of SEAC-3 (Day-3)

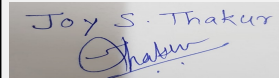
**SEAC Meeting number: 72 Meeting Date October 2, 2018**

**Subject:** Environment Clearance for Proposed Residential & Commercial Development

**Is a Violation Case:** No

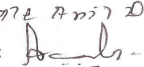
<b>1.Name of Project</b>	Brand New World by M/s Yashada World
<b>2.Type of institution</b>	Private
<b>3.Name of Project Proponent</b>	Mr. Vasant Kate , Mr. Suryakant Jadhav
<b>4.Name of Consultant</b>	S G M Corporate Consultants Pvt. Ltd.
<b>5.Type of project</b>	Residential & Commercial Development
<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. 18/1/1P CTS No. 777,778P, 876 P , Village: Pimple Nilakh, Tal.: Haveli, Dist.: Pune, Maharashtra
<b>9.Taluka</b>	Haveli
<b>10.Village</b>	Pimple Nilakh
<b>Correspondence Name:</b>	Mr. Vasant Kate , Mr. Suryakant Jadhav
<b>Room Number:</b>	Plot No 440/4
<b>Floor:</b>	NA
<b>Building Name:</b>	Artisan's House
<b>Road/Street Name:</b>	Gokhale Cross Road
<b>Locality:</b>	Opp. E-Square ,Model Colony, Shivajinagar
<b>City:</b>	Pune
<b>11.Area of the project</b>	PCMC
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	Yes. Applied for IOD on 17-8-2018
	<b>IOD/IOA/Concession/Plan Approval Number:</b> In process
	<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>	IOD is in process. Date of Application for IOD is 17.08.2018
<b>15.Total Plot Area (sq. m.)</b>	5717.90
<b>16.Deductions</b>	0
<b>17.Net Plot area</b>	5717.90
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> 12293.49
	<b>b) Non FSI area (sq. m.):</b> 13436.96
	<b>c) Total BUA area (sq. m.):</b> 25730.45
<b>18 (b).Approved Built up area as per DCR</b>	<b>Approved FSI area (sq. m.):</b> IOD is in process. Date of Application for IOD is 17.08.2018
	<b>Approved Non FSI area (sq. m.):</b> IOD is in process. Date of Application for IOD is 17.08.2018
	<b>Date of Approval:</b> 17-08-2018
<b>19.Total ground coverage (m2)</b>	1998
<b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>	35%
<b>21.Estimated cost of the project</b>	794852555

## 22.Number of buildings & its configuration

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

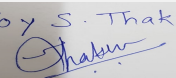
**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

**Page 136 of 146**

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

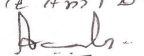


Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)	
1	Residential -A Wing	10	36	
2	Residential -B Wing & EWS	B Wing-10, EWS=07	B Wing-36, EWS=21	
3	Commercial Building (Commercial complex & Multipurpose Hall)- 5 Shops + 12 Offices+ 1 Residence	7	21	
<b>23.Number of tenants and shops</b>	Residential Building- 154 + 21 (EWS) Commercial Building- Shops:- 5 No.s + Offices:- 12 No.s + 01 residence			
<b>24.Number of expected residents / users</b>	Residential user: 882 No.s Commercial user: 268 No.s			
<b>25.Tenant density per hectare</b>	135 tenant/ha			
<b>26.Height of the building(s)</b>				
<b>27.Right of way (Width of the road from the nearest fire station to the proposed building(s))</b>	24m			
<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	Building Construction Project	Not applicable	Not applicable	Not applicable
<b>32.Total Water Requirement</b>				

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**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

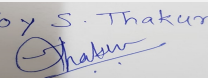
**Page 137 of 146**

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

Dry season:	Source of water	PCMC
	Fresh water (CMD):	86.07
	Recycled water - Flushing (CMD):	45.33
	Recycled water - Gardening (CMD):	10.1
	Swimming pool make up (Cum):	2.00
	Total Water Requirement (CMD) :	143.50
	Fire fighting - Underground water tank(CMD):	150
	Fire fighting - Overhead water tank(CMD):	20
	Excess treated water	49.69
Wet season:	Source of water	PCMC
	Fresh water (CMD):	86.07
	Recycled water - Flushing (CMD):	45.33
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	2.00
	Total Water Requirement (CMD) :	133.40
	Fire fighting - Underground water tank(CMD):	150
	Fire fighting - Overhead water tank(CMD):	20
	Excess treated water	59.79
Details of Swimming pool (If any)	<p>1. Pool Size- Main Pool: 12.7 x 7.74 x 1.2 mtr. Kids Pool: 7.74 x 2.25 x 0.6 mtr.  2. Total Capacity Swimming pool Volume : 1,20,000 Liters  3. Filtration Velocity : 50m3/hr/m2  4. Pool Type : Overflow  5. Filtration Flow Rate : 24m3/hr  6. Daily water need for top up :1-2 m3/day  7. Pool Disinfection System :  Rapid Sand Filtration with in combination of ozonation and chlorination  8. Filtration Turn Over : 5 hrs</p>	

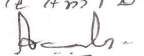
### 33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Water Requirement									
Domestic	0	86.07 (Domestic) + 45.33 (Flushing)	131.4	0	8.61 (Domestic) + 4.53 Flushing	13.14	0	77.46 (Domestic) + 40.80 (Flushing)	118.26

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

SEAC Meeting No: 72 Meeting Date: October 2, 2018

Page 138  
of 146

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

Gardening	0	10.1	10.1	0	10.1	10.1	0	0	0
<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	Post monsoon- 5 to 6 mt. below ground level Pre monsoon- 12 to 15 mt. below ground level							
	<b>Size and no of RWH tank(s) and Quantity:</b>	NA							
	<b>Location of the RWH tank(s):</b>	NA							
	<b>Quantity of recharge pits:</b>	2							
	<b>Size of recharge pits :</b>	2 Mt. x 1 Mt. x 2 Mt.							
	<b>Budgetary allocation (Capital cost) :</b>	5 Lacs							
	<b>Budgetary allocation (O &amp; M cost) :</b>	1 Lac							
	<b>Details of UGT tanks if any :</b>	Domestic UG tank Capacity (cum) : Residential - 132 Commercial - 13 Flushing tank Capacity(cum): Residential - 66 Commercial - 11 Fire UG tank Capacity (cum):150							
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	The storm water collected through the storm water drains of adequate capacity will be discharged to the nearest storm water line.							
	<b>Quantity of storm water:</b>	250 CMH							
	<b>Size of SWD:</b>	300 mm							
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	Residential:- 107.42 CMD Commercial:- 10.84 CMD Total (residential + Commercial)= 118.26 CMD							
	<b>STP technology:</b>	MBBR							
	<b>Capacity of STP (CMD):</b>	Residential:- 1 x 110 CMD, Commercial:- 1 x 20 CMD.							
	<b>Location &amp; area of the STP:</b>	On ground, Open to Sky							
	<b>Budgetary allocation (Capital cost):</b>	35 Lakh							
	<b>Budgetary allocation (O &amp; M cost):</b>	10 Lacs/Annum							
<b>36.Solid waste Management</b>									
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	0.4 to 0.6 MT/day							
	<b>Disposal of the construction waste debris:</b>	This material shall be used for back filling and leveling of the plot and remaining will be disposed to authorized dealers.							
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	203.2 kg/day							
	<b>Wet waste:</b>	304.8 kg/day							
	<b>Hazardous waste:</b>	NA							
	<b>Biomedical waste (If applicable):</b>	NA							
	<b>STP Sludge (Dry sludge):</b>	21.06 Kg/day							
	<b>Others if any:</b>	E-waste: Negligible							

<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	To SWACH
	<b>Wet waste:</b>	Organic Waste Converter - Proposed OWC Capacity= 400 Kg/Day
	<b>Hazardous waste:</b>	Authorized dealer
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	STP sludge will be used as manure.
	<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>	-
	<b>Area for machinery:</b>	40 m2.
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	12 lacs
	<b>O &amp; M cost:</b>	2.70 lacs/annum

### 37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	-	6.5-8	6.5-8	6.5-9
2	TSS	mg/l	200	10	50
3	BOD	mg/l	300	10	10
4	COD	mg/l	450	30	100
5	Oil & Grease	mg/l	10-50	1-5	10
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

### 38. Hazardous Waste Details

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

### 39. Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	DG set 1- 140 KVA	Diesel, 22 Lit/hr	1	3.0 Mtr	0.1 m	Not applicable
2	DG set 2- 160 KVA	Diesel, 26 Lit/hr	2	3.0 Mtr	0.1 m	Not applicable
3	DG sets 3 - 10 KVA	Diesel, 2 Lit/hr	3	3.0 Mtr	-	Not applicable

### 40. Details of Fuel to be used

 <b>Joy S. Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 72 Meeting Date: October 2, 2018</b>	<b>Page 140 of 146</b>	<b>Name: K. Anil Kale</b>  <b>Signature: Shri. Anil Kale (Chairman SEAC-III)</b>
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Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel for proposed 3 No. of DG sets	Not applicable	50 Lit/hr	50 lit/hr

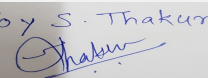
41. Source of Fuel Local vendor

42. Mode of Transportation of fuel to site By road

<b>43.Green Belt Development</b>	<b>Total RG area :</b>	982.21 SQ. M.
	<b>No of trees to be cut :</b>	NA
	<b>Number of trees to be planted :</b>	156 no. s
	<b>List of proposed native trees :</b>	Given below
	<b>Timeline for completion of plantation :</b>	1 Year

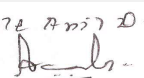
#### 44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Cassia fistula	Amaltas	25	Medium sized deciduous tree. A beautiful tree for small gardens, parks and along medium and small roads
2	Millingtonia hortensis	Akash neem	09	Medium sized evergreen tree planted along the road, attract birds due to its fragrant flowers.
3	Mimusops elengi	Bakul	08	Large sized evergreen tree. The flowers are a key source for some of the nesting space for birds.
4	Neolamarkia kadamba	Kadamba	15	Large sized deciduous tree. It attracts butterflies. The fragrant orange flowers attract pollinators.
5	Albizia lebbeck	Siris	05	Large sized deciduous tree. The tree has a graceful appearance and beautiful foliage.
6	Bauhinia variegata	Kachnar	14	Small sized deciduous tree. It is suitable for roadside planting and also used for group planting or as specimen tree in large lawns.
7	Manilkara zapota	Chikoo	05	Medium sized deciduous tree. It is suitable for planting along the roads. The ground below the tree becomes thickly covered with fallen flowers.
8	Putranjiva roxburghii	Putranjiva	15	Medium sized evergreen tree. A good avenue tree for medium-sized road. Also suitable for growing in gardens and parks in rows for their globular, shining crown.
9	Pongamia pinnata	Indian beech tree	12	Tree is well suited to intense heat and sunlight and its network of lateral route makes it draught tolerant

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

**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

**Page 141 of 146**

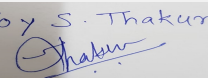
**Name:** K. Anil Kale  
**Signature:**   
**Shri. Anil Kale (Chairman SEAC-III)**

10	Peltophorum	Copper Pod	15	It is a deciduous tree growing to 15-25m tall tree. The tree has a graceful appearance and beautiful foliage and yellow flowers. The wood has a wide variety of uses including cabinet-making.
11	Delonix regia	Gulmohar	08	It is a deciduous tree growing to 10-15m tall tree. The tree has a graceful appearance and bright orange/vermillion flowers. The wood is mainly used for fuel.
12	Azadirachta indica	Neem	15	Neem is a fast-growing tree that can reach a height of 15-20 metres. It is deciduous tree and the branches are wide and spreading. Good for air purification
13	Grevillea robusta	Silver oak	05	Its leaves produce an allelopathic substance that inhibits the establishment and development of native species. G. robusta also causes changes in patterns of nutrient cycling. In agroforestry and forestry applications, and is one of the most important trees for agroforestry.
14	Swietenia macrophylla	Mahogany	05	Swietenia mahagoni is a medium-sized semi-evergreen tree growing. Very rare due to over-harvesting. It is regarded as the world's finest timber for high-class furniture and cabinet work. It is grown as an ornamental tree in various parts of India.

45. Total quantity of plants on ground

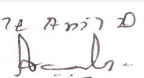
#### 46. Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	Spider Lily	@ 0.45 m c/c	20.01 Sq.m.
2	Lobster - claws	@ 0.45 m c/c	20.01 Sq.m.
3	Canna	@ 0.45 m c/c	20.01 Sq.m.
4	Giant Water Lily	@ 0.45 m c/c	20.01 Sq.m.
5	Oleandre	@ 0.45 m c/c	20.01 Sq.m.
6	Plumbago	@ 0.45 m c/c	20.01 Sq.m.
7	Slender goldshower	@ 0.45 m c/c	20.01 Sq.m.
8	Hibiscus (hibiscus Viceroy)	@ 0.45 m c/c	20.01 Sq.m.
9	Acalypha	@ 0.45 m c/c	20.01 Sq.m.
10	Blue Porterweed	@ 0.45 m c/c	20.01 Sq.m.
11	Cape Honeysuckle	@ 0.45 m c/c	20.01 Sq.m.
12	Lemon grass	@ 0.45 m c/c	20.01 Sq.m.
13	Fountain grass	@ 0.45 m c/c	20.01 Sq.m.
14	Gardenia	@ 0.45 m c/c	20.01 Sq.m.
15	Hibiscus (hibiscus Viceroy)	@ 0.45 m c/c	20.01 Sq.m.
16	Yellow bells	@ 0.90m c/c	20.01 Sq.m.

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

**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

**Page 142 of 146**

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

17	Yellow bauhinia	@ 0.90m c/c	20.01 Sq.m.
18	Dwarf white bauhinia	@ 0.90m c/c	20.01 Sq.m.
19	Red Powderpuff	@ 0.90m c/c	20.01 Sq.m.
20	Red Powderpuff	@ 0.90m c/c	20.01 Sq.m.
21	Yellow hibiscus	@ 0.90m c/c	20.01 Sq.m.
22	White hibiscus	@ 0.90m c/c	20.01 Sq.m.
23	Red hibiscus	@ 0.90m c/c	20.01 Sq.m.
24	Yellow oleander	@ 0.90m c/c	20.01 Sq.m.
25	Adulsa	@ 0.90m c/c	20.01 Sq.m.
26	Dombeya	@ 0.90m c/c	20.01 Sq.m.
27	Physic nut	@ 0.90m c/c	20.01 Sq.m.
28	Peacock flower	@ 0.90m c/c	20.01 Sq.m.
29	Crepeflower	@ 0.90m c/c	20.01 Sq.m.
30	Ashanti blood	@ 0.90m c/c	20.01 Sq.m.
31	Crape Jasmine	@ 0.90m c/c	20.01 Sq.m.

### 47. Energy

<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>	1x30 KVA
	<b>During Operation phase (Connected load):</b>	1015.34 KW
	<b>During Operation phase (Demand load):</b>	502 .92 KVA
	<b>Transformer:</b>	1 X 630KVA
	<b>DG set as Power back-up during operation phase:</b>	1X160KVA,1X140KVA,1X10KVA
	<b>Fuel used:</b>	Diesel -50 Lit/hr
	<b>Details of high tension line passing through the plot if any:</b>	NA

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

 <b>Joy S. Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 72 Meeting Date: October 2, 2018</b>	<b>Page 143 of 146</b>	<b>Name: K. Anil Kale</b>  <b>Signature: Shri. Anil Kale (Chairman SEAC-III)</b>
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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.
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. 125 Ltrs Solar water is provided for each flat .
7. Solar PV panel system is proposed for Street lighting & Building common lighting.
8. LPD of 7.5 W/sq.mtr. in Residential areas & 10.8 W/sq.mtr. in Office areas is proposed.

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

Serial Number	Energy Conservation Measures	Saving %
1	Solar water heating	82 %
2	Energy saving energy efficient light fittings	62 %
3	Energy savings( Solar water heating system + Solar PV panels + LED light fittings) units per year.(For renewable/solar )	283825.74 Unit
4	Estimated energy requirement	1393009.92 Unit
5	Energy savings in percent	20.37%
6	Annual energy saving due to solar PV cells	8128.25 KWH

#### 50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Waste water	Not applicable	STP
Solid waste	Not applicable	OWC

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Capital cost for solar PV cells - 750,300/- Capital cost for solar water system- 2,970,000/-
	<b>O &amp; M cost:</b>	O & M cost for Solar PV cells- 37,515/- O & M cost for Solar water system- 148,500/-

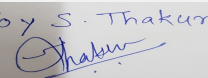
#### 51.Environmental Management plan Budgetary Allocation

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

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Drinking water	NA	Capital cost -01, O & M Cost-0.10
2	Sanitation	NA	Capital cost -12.5, O & M Cost-0.75
3	Health check up	NA	Capital cost -01, O & M Cost-0.25
4	Labour Camp Management	NA	Capital cost -03, O & M Cost-0.50

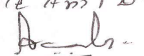
##### b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP	NA	35	10
2	RWH System	NA	5	1

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

SEAC Meeting No: 72 Meeting Date: October 2,  
 2018

Page 144  
 of 146

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



3	Solid Waste Management	NA	12	2.70
4	Solar PV cells	NA	7.50300	0.37515
5	solar water system	NA	29.70000	1.48500
6	Swimming Pool	NA	60	7
7	Environmental Monitoring	NA	--	3

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

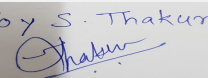
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 52.Any Other Information

No Information Available

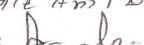
### 53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	NA
Parking details:	Number and area of basement:	Type of parking : Basement Parking
	Number and area of podia:	NA
	Total Parking area:	5605.54 sq. m. (including basement parking)
	Area per car:	39 sq. m.
	Area per car:	39 sq. m.
	Number of 2-Wheelers as approved by competent authority:	483 No. s
	Number of 4-Wheelers as approved by competent authority:	144 No.s
	Public Transport:	Buses, Auto rickshaws, Train
	Width of all Internal roads (m):	7.50 m
	CRZ/ RRZ clearance obtain, if any:	NA

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

**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

**Page 145 of 146**

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

	<b>Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries</b>	NA
	<b>Category as per schedule of EIA Notification sheet</b>	8(a) B2
	<b>Court cases pending if any</b>	NA
	<b>Other Relevant Informations</b>	NA
	<b>Have you previously submitted Application online on MOEF Website.</b>	No
	<b>Date of online submission</b>	-

## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summarised in brief information of Project as below.

### Brief information of the project by SEAC

**Environment Clearance for Proposed Residential & Commercial Development at S.No. 18/1/1P CTS No. 777,778P, 876 P , Village: Pimple Nilakh, Tal.: Haveli, Dist.: Pune, by M/s Yashada World.**

PP submitted their application for prior Environmental clearance for total plot area of 5717.90 Sq. Mtrs, BUA of 25730.45 Sq. Mtrs and FSI area of 12293.49 Sq. Mtrs. PP proposes to construct 3 no. of residential & commercial buildings.

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

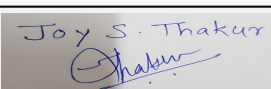
***SEAC decided to recommend the proposal for prior environmental Clearance, subject to PP complying with the above conditions.***

**Specific Conditions by SEAC:**

- 1) PP to submit details of CER activities in consultation with the affected people in the project area as per MoEF & CC circular dated 1/05/2018. With details of fund utilization & agreement or consent of executor.
- 2) PP to upload undertaking for sustainable water supply.

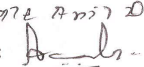
### FINAL RECOMMENDATION

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

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

**SEAC Meeting No: 72 Meeting Date: October 2, 2018**

**Page 146 of 146**

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