

## Agenda for 65 th meeting of SEAC-3. Date-28 to 31 may 2018

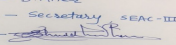
**SEAC Meeting number: 65 Meeting Date May 28, 2018**

**Subject:** Environment Clearance for New Construction Project

**Is a Violation Case:** No

**General Information:** Time: 10:00 am onwards Venue: Maharashtra Economic Development Council, Board Room, 3rd Floor, Y. B. Chavan Centre, Gen. Jagannathrao Bhosale Marg, Near Mantralaya, Mumbai- 400020

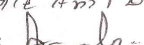
<b>1.Name of Project</b>	Proposed Residential project by M/s Western City Townships LLP
<b>2.Type of institution</b>	Private
<b>3.Name of Project Proponent</b>	Mr. Nilesh Palresha
<b>4.Name of Consultant</b>	Ultra-Tech (Environment Consultancy & Laboratory)
<b>5.Type of project</b>	Housing
<b>6.New project/expansion 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. 135/5/1, 135/5/2, 135/6, 135/6/1
<b>9.Taluka</b>	Haveli
<b>10.Village</b>	Pashan
<b>Correspondence Name:</b>	Mr. Nilesh Palresha
<b>Room Number:</b>	S.no. 34 A/6/2, plot no. 3,4,& 6
<b>Floor:</b>	NA
<b>Building Name:</b>	Behind Shakti Sports
<b>Road/Street Name:</b>	Pune-Nagar road
<b>Locality:</b>	Near Inorbit mall Wadgaonsheri,
<b>City:</b>	Pune
<b>11.Area of the project</b>	Pune Municipal Corporation
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	IOD RECEIVED
	<b>IOD/IOA/Concession/Plan Approval Number:</b> Layout no. CC/0584/17 D.P.O./Zone no.6 dated 2/6/2017
	<b>Approved Built-up Area:</b> 33113.51
<b>13.Note on the initiated work (If applicable)</b>	Work not initiated
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	Applied for MHADA Sanction
<b>15.Total Plot Area (sq. m.)</b>	9,800
<b>16.Deductions</b>	1,290.48
<b>17.Net Plot area</b>	8084.04
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> 20742.39 sq.m. ( including MHADA)
	<b>b) Non FSI area (sq. m.):</b> 12371.12
	<b>c) Total BUA area (sq. m.):</b> 33113.51
<b>18 (b).Approved Built up area as per DCR</b>	<b>Approved FSI area (sq. m.):</b> 20742.39
	<b>Approved Non FSI area (sq. m.):</b> 12371.12
	<b>Date of Approval:</b> 02-06-2017
<b>19.Total ground coverage (m2)</b>	1600.66 (including MHADA)
<b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>	19.8
<b>21.Estimated cost of the project</b>	690000000

Name - S.D.Aher  
Designation - Secretary SEAC-III  
Sign - 

**S.D.Aher (Secretary SEAC-III)**

**SEAC Meeting No: 65 Meeting Date: May 28, 2018**

**Page 1 of 61**

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

## 22. Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building A, 1 number	Basement + 2 Parking + 16 floors	49.95
2	Building B, 1 number	Basement + 2 Parking + 16 floors	49.95
3	Building C, 1 number	Basement + 2 Parking + 16 floors	49.95
4	Building D, 1 number	Basement + 2 Parking + 16 floors	49.95
5	MHADA, 1 number	Parking + 6 floors	19.95

23. Number of tenants and shops	276
24. Number of expected residents / users	1380
25. Tenant density per hectare	336.11
26. Height of the building(s)	
27. Right of way (Width of the road from the nearest fire station to the proposed building(s))	Nearest Fire Station Kothrud (5.80m) & Width of the road from the nearest fire station to the proposed building is 18m.
28. Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Turning radius for easy access of fire tender movement from all around the building is 9 m.
29. Existing structure (s) if any	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

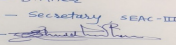
## 32. Total Water Requirement

<p>Name - S.D.Aher Designation - Secretary SEAC-III Sign - </p> <p><b>S.D.Aher (Secretary SEAC-III)</b></p>	<p><b>SEAC Meeting No: 65 Meeting Date: May 28, 2018</b></p>	<p><b>Page 2 of 61</b></p>	<p>Name: K. Anil Kale Signature: </p> <p><b>Shri. Anil Kale (Chairman SEAC-III)</b></p>
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Dry season:	Source of water	Pune Municipal Corporation
	Fresh water (CMD):	130
	Recycled water - Flushing (CMD):	65
	Recycled water - Gardening (CMD):	06
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	195
	Fire fighting - Underground water tank(CMD):	100
	Fire fighting - Overhead water tank(CMD):	100
	Excess treated water	65
Wet season:	Source of water	Pune Municipal Corporation
	Fresh water (CMD):	130
	Recycled water - Flushing (CMD):	65
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	195
	Fire fighting - Underground water tank(CMD):	100
	Fire fighting - Overhead water tank(CMD):	100
	Excess treated water	73
Details of Swimming pool (If any)	NA	

### 33.Details of Total water consumed

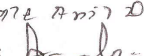

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Water Requirement									
Fresh water requirement	--	130	130	--	20	20	--	110	110
Domestic	--	65	65	--	10	10	--	55	55
Gardening	--	06	06	--	06	06	--	00	00

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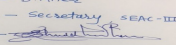
**S.D.Aher (Secretary SEAC-III)**

**SEAC Meeting No: 65 Meeting Date: May 28, 2018**

**Page 3 of 61**

Name:   
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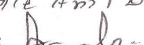
<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	NA
	<b>Size and no of RWH tank(s) and Quantity:</b>	NA
	<b>Location of the RWH tank(s):</b>	NA
	<b>Quantity of recharge pits:</b>	05
	<b>Size of recharge pits :</b>	3mx3mx3m (LWB)
	<b>Budgetary allocation (Capital cost) :</b>	Rs. 10 Lakhs
	<b>Budgetary allocation (O &amp; M cost) :</b>	Rs. 0.1 Lakhs/Annum
	<b>Details of UGT tanks if any :</b>	Domestic UG tank Capacity: 116cum/day Flushing UG tank Capacity: 58cum/day Fire fighting: 100cum/day
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	Sloping from West to East
	<b>Quantity of storm water:</b>	114 cum/day
	<b>Size of SWD:</b>	150mm having slope 1: 40
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	165 cum/day
	<b>STP technology:</b>	MBBR
	<b>Capacity of STP (CMD):</b>	One no. & 195 cum/day
	<b>Location &amp; area of the STP:</b>	Upper North West corner of Plot
	<b>Budgetary allocation (Capital cost):</b>	Rs. 69.91 Lakhs
	<b>Budgetary allocation (O &amp; M cost):</b>	Rs. 12.63 Lakhs/Annum
<b>36.Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	168m <sup>3</sup> to be used on site for filling
	<b>Disposal of the construction waste debris:</b>	This material shall be used for back filling and levelling of plot.
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	288
	<b>Wet waste:</b>	432
	<b>Hazardous waste:</b>	Negligible
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	39
	<b>Others if any:</b>	NA

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**SEAC Meeting No: 65 Meeting Date: May 28, 2018**

**Page 4 of 61**

Name: K. Anil Kale  
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<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Handed over to SWaCH
	<b>Wet waste:</b>	Smart Organic waste composter
	<b>Hazardous waste:</b>	Handed over to authorised dealer as and when required
	<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>	East of Plot
	<b>Area for the storage of waste &amp; other material:</b>	48.00 sqm
	<b>Area for machinery:</b>	32.00 sqm
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs. 23.25 Lakhs
	<b>O &amp; M cost:</b>	Rs. 5.23 Lakhs/Annum

### 37. Effluent Characteristics

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

### 38. Hazardous Waste Details

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

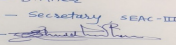
### 39. Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	DG - 380KVA	Diesel 56.43 Ltr/hr	01	05	0.4	280

### 40. Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel	--	56.43 l/hr	56.43 l/hr

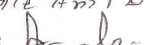
41. Source of Fuel	Authorized dealer
42. Mode of Transportation of fuel to site	By road

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**SEAC Meeting No: 65 Meeting Date: May 28, 2018**

**Page 5 of 61**

Name: K. Anil Kale  
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<b>43.Green Belt Development</b>	<b>Total RG area :</b>	850.95 sqm
	<b>No of trees to be cut :</b>	03
	<b>Number of trees to be planted :</b>	123
	<b>List of proposed native trees :</b>	Given
	<b>Timeline for completion of plantation :</b>	Before project completion

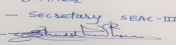
#### 44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Anthocephalus Cadamba	Kadamb	10	Native, evergreen, gives shade, flowers, mythological value & wound healing medical use
2	Terminalia Catappa	Badam	10	Fruits is edible tasting slightly, Herbal Medicine Use
3	Bauhinia Purepurea	Kanchan	10	Native, attracts birds and insects, medicinal value
4	Plumeria Alba	Champa	13	Native, evergreen, for beautiful fragrant flowers.
5	Plumeriarubra	Laalchafa	10	Anti-oxidative & photolytic activities medicine use & fragrant flowers
6	Callistemon Viminalis	Weeping Bottlebrush	10	Native, for shade, medicinal value, attracts birds & insects
7	Flcusbenjamina	Weeping Fig	10	Evergreen tree, non-flowering, Native, can be pruned and given topiary effect
8	Cassia Javanicca	Apple Blossom Cassia	10	The fruits (legumes) ripen in the fall.
9	Cordiasebestana	Geiger Tree	10	An Ornamental plants, flowering plants
10	Putranjivaroxburghii	Putra- Jiva	10	Evergreen tree, Seed yields fatty oil used for burning, medicinal value
11	Areca Catechu	Supari	10	Medicinal value, Ornamental plants
12	Roystonea Regia	Royal Plam	10	Medicinal value, Ornamental plants
13	Retained Trees	NA	15	NA
<b>45.Total quantity of plants on ground</b>				

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

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

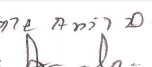

#### 47.Energy

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**SEAC Meeting No: 65 Meeting Date: May 28, 2018**

**Page 6 of 61**

Name:   
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>	50 KW
	<b>DG set as Power back-up during construction phase</b>	62.5 KVA
	<b>During Operation phase (Connected load):</b>	1779.22 KW
	<b>During Operation phase (Demand load):</b>	814.69 KVA
	<b>Transformer:</b>	630KVA (2 No)
	<b>DG set as Power back-up during operation phase:</b>	380 KVA (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:

NA

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

Serial Number	Energy Conservation Measures	Saving %
1	CFL, LED, Solar, Timer, VFD etc.	18%

#### 50. Details of pollution control Systems

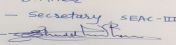
Source	Existing pollution control system	Proposed to be installed
Sewage Treatment Plant	Not applicable	Capacity 195 cum
Organic Waste Converter	Not applicable	Total Area 80 cum
DG Set	Not applicable	380KVA (1 No)

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	17.00
	<b>O &amp; M cost:</b>	0.25

### 51. Environmental Management plan Budgetary Allocation

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

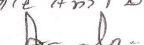
Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air	Water For Dust Suppression ,air and noise monitoring	2.5
2	Water	Tanker water for construction, water monitoring	2.02

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**S.D.Aher (Secretary SEAC-III)**

**SEAC Meeting No: 65 Meeting Date: May 28, 2018**

Page 7 of 61

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

3	Land	Site Sanitation	3.86
4	Biological	Gardening	13.47
5	Socio-Economic	Safety, First Aid, Health Hygiene Facilities, Disinfection at site, Health Check Up, Crèches for children, Personal Protective Equipment, CFL lamps for labour hutments	14.96
6	Energy Conservation	CFL lamps for labour hutments	2.52

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

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Water	STP	69.91	12.63
2	Solid waste	OWC	23.25	5.23
3	Environmental monitoring	--	--	8.95
4	Land	Gardening	28.04	1.80
5	Energy conservation	Solar water heating	17.00	0.25

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

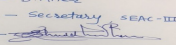
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

**52.Any Other Information**

No Information Available

**53.Traffic Management**

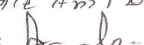
<b>Nos. of the junction to the main road &amp; design of confluence:</b>	Project will confluent on 09m wide road and 02 junctions to main road
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**SEAC Meeting No: 65 Meeting Date: May 28, 2018**

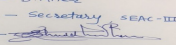
**Page 8 of 61**

Name: K. Anil Kale  
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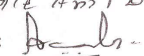
Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	6,142.75 sqm
	Area per car:	30
	Area per car:	30
	Number of 2-Wheelers as approved by competent authority:	538
	Number of 4-Wheelers as approved by competent authority:	268
	Public Transport:	Nearest bus stop Ambedkar Nagar (2.4km)
	Width of all Internal roads (m):	9m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8a (B2)
	Court cases pending if any	NA
	Other Relevant Informations	Na
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	24-09-2016
<b>SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS</b>		
Summorisred in brief information of Project as below.		
<b>Brief information of the project by SEAC</b>		

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**S.D.Aher (Secretary SEAC-III)**

**SEAC Meeting No: 65 Meeting Date: May 28, 2018**

**Page 9 of 61**

Name: K. Anil Kale  
 Signature: 

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

Environment Clearance for New Construction Project at S. no. 135/5/1, 135/5/2, 135/6, 135/6/1, Pashan Pune by **M/s Western City Townships LLP.**

PP submitted their application for Prior Environmental clearance for total plot area of 9800Sq. Mtrs, BUA of 33113.51Sq. Mtrs and FSI area of 20742.39Sq. Mtrs. PP proposes to construct 3 no. residential building.

Earlier case was considered in 64th SEAC-3 Meeting dated 10/04/2018 and committee ask to comply few conditions. Now PP has submitted the compliance.

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

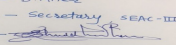
***SEAC decided to recommend the proposal for prior environmental Clearance, subject to PP complying with the following conditions.***

**Specific Conditions by SEAC:**

- 1) PP to submit acknowledgement copy for application done for revised drainage NOC along with undertaking.

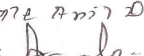
### FINAL RECOMMENDATION

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

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**SEAC Meeting No: 65 Meeting Date: May 28, 2018**

**Page 10 of 61**

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

## Agenda for 65 th meeting of SEAC-3. Date-28 to 31 may 2018

**SEAC Meeting number: 65 Meeting Date May 28, 2018**

**Subject:** Environment Clearance for Proposed Development project 'PMRDA Corporate office'At S.No. 191A/1A/A/1,C.S.No.2176, Yerawada, Haveli Taluka, Pune By Pune Metropolitan Regional Development Authority, Pune

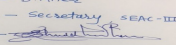
**Is a Violation Case:** No

<b>1.Name of Project</b>	Proposed Development project 'PMRDA Corporate office'At S.No. 191A/1A/A/1,C.S.No.2176, Yerawada, Haveli Taluka, Pune By Pune Metropolitan Regional Development Authority, Pune
<b>2.Type of institution</b>	Government
<b>3.Name of Project Proponent</b>	Mr. Kiran Gitte
<b>4.Name of Consultant</b>	Vke environmental LLP
<b>5.Type of project</b>	Building & Construction 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. 191A/1A/A/1,C.S.No.2176, Yerawada, Pune
<b>9.Taluka</b>	Haveli
<b>10.Village</b>	Yerawada
<b>Correspondence Name:</b>	Mr. Kiran Gitte
<b>Room Number:</b>	S.No. 152-153
<b>Floor:</b>	Maharaja Sayaji Gaikwad Udyog Bhavan
<b>Building Name:</b>	Maharaja Sayaji Gaikwad Udyog Bhavan
<b>Road/Street Name:</b>	Aundh
<b>Locality:</b>	Aundh
<b>City:</b>	Pune - 411067
<b>11.Area of the project</b>	Pune Municipal corporation
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	Under process
	<b>IOD/IOA/Concession/Plan Approval Number:</b> Under 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>	NA
<b>15.Total Plot Area (sq. m.)</b>	5510 m2
<b>16.Deductions</b>	For road 178.46
<b>17.Net Plot area</b>	Gross plot area: 5331.54 m2, Area under Reservation Green 533.15 m2, Net Plot area: 4798.39 m2
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> 10428.72 m2
	<b>b) Non FSI area (sq. m.):</b> 15248.70 m2
	<b>c) Total BUA area (sq. m.):</b> 25677
<b>18 (b).Approved Built up area as per DCR</b>	<b>Approved FSI area (sq. m.):</b>
	<b>Approved Non FSI area (sq. m.):</b>
	<b>Date of Approval:</b>
<b>19.Total ground coverage (m2)</b>	2674.92
<b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>	50%
<b>21.Estimated cost of the project</b>	950000000

## 22.Number of buildings & its configuration

<p>Name - S.D.Aher Designation - Secretary SEAC-III Sign </p> <p><b>S.D.Aher (Secretary SEAC-III)</b></p>	<p><b>SEAC Meeting No: 65 Meeting Date: May 28, 2018</b></p>	<p>Name: K. Anil Kale Signature: </p> <p><b>Shri. Anil Kale (Chairman SEAC-III)</b></p>
	<p><b>Page 11 of 61</b></p>	

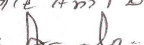
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)	
1	Corporate Office	L.GR + 4 Podium floors + 5 Office floors	39.25	
23.Number of tenants and shops	1 corporate building having 5 level offices			
24.Number of expected residents / users	780 nos.			
25.Tenant density per hectare	1415			
26.Height of the building(s)				
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	12 m wide road, Nearest Fire station - Yerawada fire station: Approx distance 1.32 km			
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	No			
30.Details of the demolition with disposal (If applicable)	NA			
<b>31.Production Details</b>				
Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable
<b>32.Total Water Requirement</b>				

Name - S.D.Aher  
 Designation - Secretary SEAC-III  
 Sign 

**S.D.Aher (Secretary SEAC-III)**

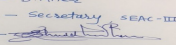
**SEAC Meeting No: 65 Meeting Date: May 28, 2018**

**Page 12 of 61**

Name: K. Anil Kale  
 Signature: 

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

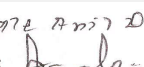
Dry season:	Source of water	PMC							
	Fresh water (CMD):	17							
	Recycled water - Flushing (CMD):	14							
	Recycled water - Gardening (CMD):	6							
	Swimming pool make up (Cum):	0							
	Total Water Requirement (CMD) :	37							
	Fire fighting - Underground water tank(CMD):	200							
	Fire fighting - Overhead water tank(CMD):	20							
	Excess treated water	8							
Wet season:	Source of water	PMC							
	Fresh water (CMD):	17							
	Recycled water - Flushing (CMD):	14							
	Recycled water - Gardening (CMD):	0							
	Swimming pool make up (Cum):	0							
	Total Water Requirement (CMD) :	31							
	Fire fighting - Underground water tank(CMD):	200							
	Fire fighting - Overhead water tank(CMD):	20							
	Excess treated water	14							
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
Water Requirement	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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**S.D.Aher (Secretary SEAC-III)**

**SEAC Meeting No: 65 Meeting Date: May 28, 2018**

**Page 13 of 61**

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

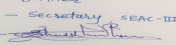
<b>34. Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	10 m bgl
	<b>Size and no of RWH tank(s) and Quantity:</b>	NA
	<b>Location of the RWH tank(s):</b>	NA
	<b>Quantity of recharge pits:</b>	01
	<b>Size of recharge pits :</b>	1m x 1m x 2m
	<b>Budgetary allocation (Capital cost) :</b>	300000
	<b>Budgetary allocation (O &amp; M cost) :</b>	15000
	<b>Details of UGT tanks if any :</b>	Domestic Water Tank 17200 lit Flushing water tank 14040 lit Fire Tank-1 100000 lit Fire Tank-2 100000 lit

<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>	3086 m3 per year
	<b>Size of SWD:</b>	200mm

<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	28
	<b>STP technology:</b>	MBBR
	<b>Capacity of STP (CMD):</b>	1 STP 30 KLD capacity
	<b>Location &amp; area of the STP:</b>	Location: near Open Space, Area: Approximately 45 sqm
	<b>Budgetary allocation (Capital cost):</b>	1250000
	<b>Budgetary allocation (O &amp; M cost):</b>	275000

### 36. Solid waste Management

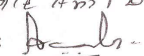
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	From Labors: 10 kg/day
	<b>Disposal of the construction waste debris:</b>	The Construction waste generated during construction shall be segregated, reused on site and surplus shall be led to scrap dealers for recycling.
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	117 kg/day
	<b>Wet waste:</b>	78 kg/day
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	1.2 kg/day
	<b>Others if any:</b>	E waste: 2 kg/day

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**S.D.Aher (Secretary SEAC-III)**

**SEAC Meeting No: 65 Meeting Date: May 28, 2018**

**Page 14 of 61**

Name: **Kale Anil D.**  
Signature:   
**Shri. Anil Kale (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 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>	E waste will be handed over to authorized recyclers
<b>Area requirement:</b>	<b>Location(s):</b>	Near Open space
	<b>Area for the storage of waste &amp; other material:</b>	13 m <sup>2</sup>
	<b>Area for machinery:</b>	17 m <sup>2</sup>
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	850000
	<b>O &amp; M cost:</b>	215616

### 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

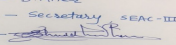
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 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

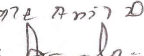
Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable
41. Source of Fuel		Not applicable		
42. Mode of Transportation of fuel to site		Not applicable		

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**S.D.Aher (Secretary SEAC-III)**

**SEAC Meeting No: 65 Meeting Date: May 28, 2018**

**Page 15 of 61**

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

<b>43.Green Belt Development</b>	<b>Total RG area :</b>	533.15 m2
	<b>No of trees to be cut :</b>	18
	<b>Number of trees to be planted :</b>	116
	<b>List of proposed native trees :</b>	Please refer below
	<b>Timeline for completion of plantation :</b>	Till operation phase

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

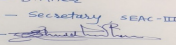
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	CASSIA FISTULA	BAHAVA	9	Edible plant parts (edible seeds )food (herb & spice ) medicinal- mild laxative , road side tree
2	NYCTANTHES ARBORTRISTIS	PARIJATAK	15	Cultural religious , medicinal- stimulate the immune system parks & gardens , small gardens.
3	MURRAYA PANICULATA	KUNTI	10	Evergreen tree Native to western part Flowering tree
4	BAUHINIA RACEMOSA	APTA	10	rare medicinal species of flowering shrub with religious significance
5	CITRUS SP	LEMON	10	Fruit bearing medicinal value
6	KAKAWATE GLIRICIDIA SEPIUM	KASHID	10	Deciduous tree common on road side, flowering tree
7	GLIRICIDIA SEPIUM(JACQ.)	GLIRICIDIA	45	Deciduous tree common on road side, flowering tree
8	DELONIX REGIA	GULMOHAR	2	deciduous tree large shaded tree
9	Dalbergia SISSOO	SHEESHAM	5	Medicinal value hardy deciduous rosewood tree native to the Indian Subcontinent

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

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

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

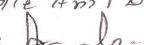
#### 47.Energy

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**SEAC Meeting No: 65 Meeting Date: May 28, 2018**

**Page 16 of 61**

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>	40 kw
	<b>DG set as Power back-up during construction phase</b>	1 of 62.5 KVA
	<b>During Operation phase (Connected load):</b>	1469 KW
	<b>During Operation phase (Demand load):</b>	899 kW
	<b>Transformer:</b>	1 of 1000 KVA
	<b>DG set as Power back-up during operation phase:</b>	2 DG set of 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:

Lighting fixtures selected for indoor & outdoor lighting are of high efficiency & compliant with ECBC. Internal lighting provided with occupancy sensors, photo sensors, and timer based controls on each floor as per ECBC. Maximum lighting power density as per building area method is 0.9 w/ sq.ft. However it is required to further reduce this LPD by at-least 30% without compromise in illumination levels and uniformity of distribution.

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

Serial Number	Energy Conservation Measures	Saving %
1	Use of Solar Hot water	300 kld
2	Use of Solar PV	51 KW

#### 50. Details of pollution control Systems

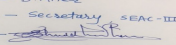
Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	4600000
	<b>O &amp; M cost:</b>	210000

### 51. Environmental Management plan Budgetary Allocation

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

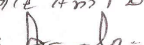
Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Erosion control - dust suppression measures, barricading and top soil preservation	3.54
2	Land	Labour Camp toilets & sanitation	4.80

Name - S.D.Aher  
Designation - Secretary SEAC-III  
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**S.D.Aher (Secretary SEAC-III)**

**SEAC Meeting No: 65 Meeting Date: May 28, 2018**

**Page 17 of 61**

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

3	Health & Safety	Labour Safety Equipments and training	4.00
4	Environment	Environmental Monitoring	1.85
5	Health & Safety	Disinfection and Health Check-ups	0.51
6	Environment Management	Environmental Monitoring cell	1.70

**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	12.5	2.75
2	Solid waste management	1 OWC	8.50	2.15
3	Landscaping	development & maintenance of green area	150.00	1.50
4	Rain water harvesting	1 Recharge pit	3.0	0.15
5	Environmental Monitoring	air,water,noise,soil,waste water,OWC manure	-	1.82
6	Renewable energy	Solar Hot Water System	46.0	2.10

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

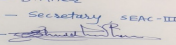
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

**52.Any Other Information**

No Information Available

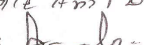
**53.Traffic Management**

Nos. of the junction to the main road & design of confluence:	Proposed site is located at Yerawada. The road network within the site has been designed to cater to the traffic loads of the project.Internal driveways are 6 m wide. Existing access road is 12 m wide.
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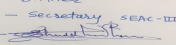
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**SEAC Meeting No: 65 Meeting Date: May 28, 2018**

**Page 18 of 61**

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

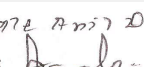
<b>Parking details:</b>	<b>Number and area of basement:</b>	NA
	<b>Number and area of podia:</b>	4 level of podium having area 9536.58 sqm
	<b>Total Parking area:</b>	11968.46 Sq.m
	<b>Area per car:</b>	12.5 sqm
	<b>Area per car:</b>	12.5 sqm
	<b>Number of 2-Wheelers as approved by competent authority:</b>	1512
	<b>Number of 4-Wheelers as approved by competent authority:</b>	302
	<b>Public Transport:</b>	NA
	<b>Width of all Internal roads (m):</b>	6m
	<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>	Building & construction project
	<b>Court cases pending if any</b>	NA
	<b>Other Relevant Informations</b>	Proposed Project is PMRDA corporate office development
	<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>		

Name - S.D.Aher  
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 Sign 

**S.D.Aher (Secretary SEAC-III)**

**SEAC Meeting No: 65 Meeting Date: May 28, 2018**

**Page 19 of 61**

Name: K. Anil Kale  
 Signature: 

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

Environment Clearance for Proposed Development project 'PMRDA Corporate office' at S.No. 191A/1A/A/1,C.S.No.2176, Yerawada, Haveli Taluka, Pune By **Pune Metropolitan Regional Development Authority.(PMRDA)**.

PP submitted their application for prior Environmental clearance for total plot area of 5510Sq. Mtrs, BUA of 25677 Sq. Mtrs and FSI area of 10428.72Sq. Mtrs. PP proposes to construct 1 no. Corporate office 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

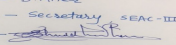
***PP requested for time to submit below information; after deliberations committee asked PP to comply with the following observations and submit information to the committee for further discussion and consideration of SEAC.***

#### Specific Conditions by SEAC:

- 1) PP to submit an undertaking for drainage NOC along with application done by PMRDA for revised drainage NOC.
- 2) PP to submit CFO NOC.
- 3) PP to submit water supply NOC along with quantity.
- 4) PP to submit details for E-Waste quantity.
- 5) PP to submit a cross section showing invert level of sewer trap and final level of municipal sewer line.
- 6) PP to submit cross section showing chambers of SWD disposal along with inverts level. Also submit details for excess treated water.
- 7) PP to submit section of the RWH with the silt chamber and increase no of recharge pit.
- 8) PP to submit details of cutting and transplantation of trees along with undertaking.
- 9) PP to submit revised PV panel layout and details of energy saving.
- 10) PP to submit NOC from MSEDCL for construction of substation in lower ground level.
- 11) PP to submit clarification regarding the existing power line whether HTL or not, along with capacity.

### FINAL RECOMMENDATION

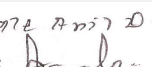

SEAC-III decided to defer the proposal till PP submits the additional information as per above conditions within 30 days

Name - S.D.Aher  
Designation - Secretary SEAC-III  
Sign - 

**S.D.Aher (Secretary SEAC-III)**

**SEAC Meeting No: 65 Meeting Date: May 28, 2018**

**Page 20  
of 61**

Name:   
Signature: 

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

## Agenda for 65 th meeting of SEAC-3. Date-28 to 31 may 2018

**SEAC Meeting number: 65 Meeting Date May 28, 2018**

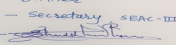
**Subject:** Environment Clearance for New construction project by M/s Shivpratap Developers

**Is a Violation Case:** No

1.Name of Project	Dwarka Vrundawan
2.Type of institution	Private
3.Name of Project Proponent	Mr. Shailendra Ghorpade
4.Name of Consultant	M/s. Saitech Research & Development Organization
5.Type of project	Residential & Commercial
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Gat. No. 336, Borhadewadi, Moshi, Pune.
9.Taluka	Haveli
10.Village	Moshi
11.Area of the project	Pimpri Chinchwad Muncipal Carporation
12.IOD/IOA/Concession/Plan Approval Number	Received
	IOD/IOA/Concession/Plan Approval Number: -
	Approved Built-up Area: 80262.26
13.Note on the initiated work (If applicable)	Not Applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	5092.11 m2
15.Total Plot Area (sq. m.)	29800.00 m2
16.Deductions	1938.79 m2
17.Net Plot area	27861.21 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 46855.71 m2
	b) Non FSI area (sq. m.): 33406.55 m2
	c) Total BUA area (sq. m.): 80262.26 m2
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)	6518.7 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	21.87 % of Total plot area and 26.00 % of Net Plot Area
21.Estimated cost of the project	1560000000

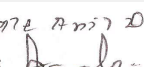
### 22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Wing A (Building 1)	P + 12	37.70
2	Wing B (Building 1)	P + 12	37.70
3	Wing C (Building 1)	P + 12	37.70
4	Wing D (Building 1)	P + 12	37.70
5	Wing E (Building 2)	P + 12	37.70
6	Wing F (Building 2)	P + 12	37.70

Name - S.D.Aher  
Designation - Secretary SEAC-III  
Sign -   
**S.D.Aher (Secretary SEAC-III)**

**SEAC Meeting No: 65 Meeting Date: May 28, 2018**

**Page 21  
of 61**

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

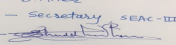
7	Wing G (Building 2)	P + 12	37.70
8	Wing H (Building 2)	P + 12	37.70
9	Commercial Building (Building 3)	G + 2	8.70
10	Wing A (Building 4)	P + 2	8.70
11	Wing B (Building 4)	P + 2	8.70
12	Wing A (MHADA Building)	P + 6	18.85
13	Wing B (MHADA Building)	P + 6	18.85

<b>23.Number of tenants and shops</b>	For Residential -879 Nos. Commercial Area - 14 Shops, 28 Office
<b>24.Number of expected residents / users</b>	Residential Users: 4395 nos. Commercial Users: 372nos
<b>25.Tenant density per hectare</b>	295
<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
<b>28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation</b>	9m
<b>29.Existing structure (s) if any</b>	Not Applicable
<b>30.Details of the demolition with disposal (If applicable)</b>	Not Applicable

### 31.Production Details

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

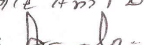
### 32.Total Water Requirement

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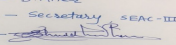
**S.D.Aher (Secretary SEAC-III)**

**SEAC Meeting No: 65 Meeting Date: May 28, 2018**

**Page 22 of 61**

Name: K. Anil Kale  
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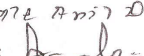

Dry season:	Source of water	PCMC	
	Fresh water (CMD):	634.06	
	Recycled water - Flushing (CMD):	221.07	
	Recycled water - Gardening (CMD):	14.00	
	Swimming pool make up (Cum):	5.00	
	Total Water Requirement (CMD) :	412.99	
	Fire fighting - Underground water tank(CMD):	500.00	
	Fire fighting - Overhead water tank(CMD):	-	
	Excess treated water	332.48	
Wet season:	Source of water	PCMC	
	Fresh water (CMD):	620.06	
	Recycled water - Flushing (CMD):	221.07	
	Recycled water - Gardening (CMD):	0.00	
	Swimming pool make up (Cum):	5.00	
	Total Water Requirement (CMD) :	412.99	
	Fire fighting - Underground water tank(CMD):	500.00	
	Fire fighting - Overhead water tank(CMD):	-	
	Excess treated water	346.481	
Details of Swimming pool (If any)	Dimension of Swimming Pool: 6m x 10.5 x 1.2m		
	Total water Requirement in KLD:75 KLD Water requirement in KLD: 5 KLD Details of Plant & Machinery used for treatment of Swimming pool water: Refer annexure Details of quality to be achieved for swimming pool water and parameters to be monitored:  Budgetary allocation ( Capital cost and O & M cost): Capital cost: Rs 15.00 lakh. O & M Cost: Rs. 1.20 lakh/ year		
<b>33.Details of Total water consumed</b>			
Particulars	Consumption (CMD)	Loss (CMD)	Effluent (CMD)

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**S.D.Aher (Secretary SEAC-III)**

**SEAC Meeting No: 65 Meeting Date: May 28, 2018**

**Page 23 of 61**

Name:   
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>	-					
			<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>	53 Nos					
			<b>Size of recharge pits :</b>	2M X 2M X 2M					
			<b>Budgetary allocation (Capital cost) :</b>	15.00 lakh.					
			<b>Budgetary allocation (O &amp; M cost) :</b>	1.20 lakh/ year					
			<b>Details of UGT tanks if any :</b>	Domestic UG tank Capacity : 604.49 m3 Flushing UG tank Capacity : 207.08 m3 Fire UG tank Capacity : 500.00 m3					
<b>35. Storm water drainage</b>									
			<b>Natural water drainage pattern:</b>	-					
			<b>Quantity of storm water:</b>	5965.80 m3/hr					
			<b>Size of SWD:</b>	450mm WIDE					
<b>Sewage and Waste water</b>									
			<b>Sewage generation in KLD:</b>	Residential: 538.49 m3/day and Commercial: 15.066 m3/day					
			<b>STP technology:</b>	MBBR					
			<b>Capacity of STP (CMD):</b>	1 NOS. 575.00 m3/day					
			<b>Location &amp; area of the STP:</b>	-					
			<b>Budgetary allocation (Capital cost):</b>	103.25 lakh					
			<b>Budgetary allocation (O &amp; M cost):</b>	13.4 lakh/year					
<b>36. Solid waste Management</b>									
<b>Waste generation in the Pre Construction and Construction phase:</b>			<b>Waste generation:</b>	45 kg/day					
			<b>Disposal of the construction waste debris:</b>	Excavated earth material will be used for filling of plinth area & top soil for landscaping					
<b>Waste generation in the operation Phase:</b>			<b>Dry waste:</b>	621.225 kg/day					
			<b>Wet waste:</b>	1449.525 kg/day					
			<b>Hazardous waste:</b>	NA					
			<b>Biomedical waste (If applicable):</b>	NA					
			<b>STP Sludge (Dry sludge):</b>	49.82 kg/day					
			<b>Others if any:</b>	NA					



<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	SWACH
	<b>Wet waste:</b>	OWC
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	Used as Manure after treatment in OWC.
	<b>Others if any:</b>	NA
<b>Area requirement:</b>	<b>Location(s):</b>	-
	<b>Area for the storage of waste &amp; other material:</b>	Total area-160 m2
	<b>Area for machinery:</b>	-
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	31.50 lakh
	<b>O &amp; M cost:</b>	8.25 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

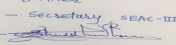
### 39. Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	DG Set-200 KVA	HSD	S-1	2.28 Mtr.	to be provided	to be provided
2	DG Set-200 KVA	HSD	S-2	2.28 Mtr.	to be provided	to be provided

### 40. Details of Fuel to be used

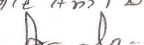
Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	Not applicable	30 Litres/Hr	30 Litres/Hr

41. Source of Fuel: Bharat Petroleum Corporation Limited/Hindustan Petroleum

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**S.D.Aher (Secretary SEAC-III)**

**SEAC Meeting No: 65 Meeting Date: May 28, 2018**

Name: K. Anil Kale  
Signature: 

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

Page 25 of 61

42.Mode of Transportation of fuel to site	By roadway
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<b>43.Green Belt Development</b>	<b>Total RG area :</b>	2786.12 m2
	<b>No of trees to be cut :</b>	-
	<b>Number of trees to be planted :</b>	368 nos.
	<b>List of proposed native trees :</b>	-
	<b>Timeline for completion of plantation :</b>	Mid of constuction

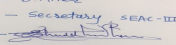
**44.Number and list of trees species to be planted in the ground**

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Mimusops Elengi	Bakul	50	fragrant flowers or leaves, attracts birds/bees, evergreen tree/creates shade
2	Cassia Fistula	Bahava	27	Auspicious, attracts birds/bees/butterfiles, hanging or weeping growth
3	Neolamarckia Cadamba	Kadamb	28	fragrant flowers or leaves,attracts butterflies /bees, quick groving/creates shade
4	Azadirachta indica	Neem	21	fragrant flowers or leaves, plant for pooja/evergreen, quick groving/insect repellent
5	Lagerstromia Speciosa	Taman	33	creates shade, attracts birds/butterflies/bees, good for screening
6	Michelia Champaka	Pivala Chafa	37	fragrant flowers or leaves, attracts birds/butterflies/bees, evergreen tree
7	Bauhinia Purpurea	Rakt Kanchan	22	fragrant flowers or leaves, plant for pooja evergreen tree
8	Artocarpus Heterophyllus	Jackfruit	21	fruit plant, fragrant flowers or leaves, attracts birds/butterflies/bees
9	Plumeria Alba	Chafa	10	fruit plant, fragrant flowers or leaves, attracts birds/butterflies/bees
10	Millingtonia Hortensis	Buch	64	fragrant flowers or leaves, plant for pooja, evergreen tree
11	Mangifera Indica	Mango	21	fruit plant, fragrant flowers or leaves -attracts birds/butterflies/bees
12	Caryota urens	Fish tail palm	34	fragrant flowers or leaves, attracts birds/butterflies/bees, evergreen tree

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

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

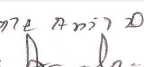

Serial Number	Name	C/C Distance	Area m2
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**SEAC Meeting No: 65 Meeting Date: May 28, 2018**

**Page 26 of 61**

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

1	-	-	-
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### 47. Energy

<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	60 KW
	<b>DG set as Power back-up during construction phase</b>	62.5 KVA - 1 NO.
	<b>During Operation phase (Connected load):</b>	-
	<b>During Operation phase (Demand load):</b>	3674.03 KW
	<b>Transformer:</b>	630 KVA -3 NOS.
	<b>DG set as Power back-up during operation phase:</b>	200 KVA x 2 NOS
	<b>Fuel used:</b>	30 Litres/Hr
	<b>Details of high tension line passing through the plot if any:</b>	NA

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

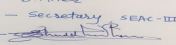
- Generally we have proposed high efficiency transformer, motors etc. to reduce losses by 30% in comparison with conventional type.
- Electronic ballasts and Energy efficient lamp source either triposphere or CFL or LED are proposed for common area & general lighting with automatic time based control to save power by switching ON & OFF the lights at appropriate illumination level.
- The estimated saving in common lighting consumption is upto 35% due to adopting above measures.
- Solar photovo

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

Serial Number	Energy Conservation Measures	Saving %
1	1) LED Lamp & Fitting For Common Areas i.e. Bldg. Parking, Staircase, Passage & Terrace Floor.	58877.28 KWH/ Annum
2	2.1) Bollard Lighter - Light Fitting For Landscape Area.	540 KWH/ Annum
3	3.1) Solar Street Light Fitting - Pole Light On Road Side.	594 KWH/ Annum
4	3.2) Street Light on the Bldg.	16200 KWH/ Annum
5	4) Energy Saving by Solar Hot Water System.	1262880 KWH/ Annum

### 50. Details of pollution control Systems

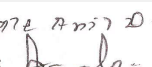

Source	Existing pollution control system	Proposed to be installed
Air	-	Green belt will be provided.
Water	-	STP will be installed & excess treated water used for flushing & gardening

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**S.D.Aher (Secretary SEAC-III)**

**SEAC Meeting No: 65 Meeting Date: May 28, 2018**

**Page 27 of 61**

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

Noise	-	Noise monitoring will be done in once a fortnight. Traffic management plan to be prepared. Acoustically enclosed DG set will be brought & installed.
Solid Waste	-	Wet Waste will be treated in OWC. STP sludge will be Used as Manure after treatment in OWC Dry Waste will be given to SWACH

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	157.86 lakh
	<b>O &amp; M cost:</b>	3.15 lakh/year

## 51.Environmental Management plan Budgetary Allocation

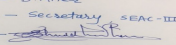
### a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water for Dust Suppression, Air & Noise Monitoring	0.50
2	Water Environment	Tanker Water for Construction, Water Monitoring	0.50
3	Land Environment	Site Sanitation -Mobile toilets	0.50
4	Socio-economic	Disinfection- Pest Control, First Aid Facilities, Health Check Up, Creches For Children, Food for children, Personal Protective Equipment	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	Sewage Treatment Plant	103.25	13.40
2	RWH	Rain Water Harvesting	6.50	1.10
3	MSW	Municipal Solid Waste	31.50	8.25
4	Solar System	-	157.86	3.15
5	Landscaping	-	43.72	2.40
6	Swimming Pool	-	15.0	1.21
7	Safety Equipments	-	10.00	2.00
8	Post E C Monitoring	-	-	2.5
9	Dry Waste Management	-	-	5.27
10	Storm water & Sewer Drain pipe	-	20.00	-

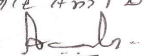
## 51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)

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**S.D.Aher (Secretary SEAC-III)**

**SEAC Meeting No: 65 Meeting Date: May 28, 2018**

**Page 28 of 61**

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

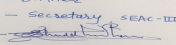
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 52. Any Other Information

No Information Available

### 53. Traffic Management

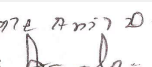
	Nos. of the junction to the main road & design of confluence:	-
Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	22415.84 m2
	Area per car:	48.31 m2
	Area per car:	48.31 m2
	Number of 2-Wheelers as approved by competent authority:	1832
	Number of 4-Wheelers as approved by competent authority:	464
	Public Transport:	NA
	Width of all Internal roads (m):	6
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	B2
	Court cases pending if any	NA
	Other Relevant Informations	NA

Name - S.D.Aher  
Designation - Secretary SEAC-III  
Sign - 

**S.D.Aher (Secretary SEAC-III)**

**SEAC Meeting No: 65 Meeting Date: May 28, 2018**

**Page 29 of 61**

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 New construction project at Gat. No. 336, Borhadewadi, Moshi, Pune. by **M/s Shivpratap Developers.**

PP submitted their application for prior Environmental clearance for total plot area of 29800 Sq. Mtrs, BUA of 80262.26 Sq. Mtrs and FSI area of 46855.71 Sq. Mtrs. PP proposes to construct 9 no. residential building (wing) and 1 no commercial building.

Earlier case was considered in 55th SEAC-3 Meeting, during meeting committee ask to comply few conditions. Now PP has submitted the compliance.

Now 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

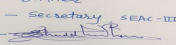
***SEAC decided to recommend the proposal for prior environmental Clearance, subject to PP complying with the following conditions.***

**Specific Conditions by SEAC:**

- 1) PP to submit IOD/IOA/Concession Document/Plan Approval or any other form of documents as applicable clarifying its conformity with local planning rules and provisions there under as per the Circular dated 30.01.2014 issued by the Environment Department, Govt. of Maharashtra.
- 2) PP to submit Disaster Management Plan.
- 3) PP to submit an undertaking for sustainable water supply.
- 4) PP to provide commercial parking independently.

### FINAL RECOMMENDATION

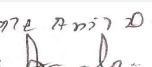

SEAC-III have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions

Name - S.D.Aher  
Designation - Secretary SEAC-III  
Sign - 

**S.D.Aher (Secretary SEAC-III)**

**SEAC Meeting No: 65 Meeting Date: May 28, 2018**

**Page 30  
of 61**

Name:   
Signature: 

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

## Agenda for 65 th meeting of SEAC-3. Date-28 to 31 may 2018

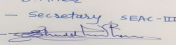
**SEAC Meeting number: 65 Meeting Date May 28, 2018**

**Subject:** Environment Clearance for For Proposed Commercial Projectat Plot No. 20, Rajiv Gandhi Infotech Park, Phase III, Hinjewadi Village Bhoirwadi, Tal. - Mulshi, Pune. By M/S Synergy Infotech Pvt.Ltd

**Is a Violation Case:** No

<b>1.Name of Project</b>	For Proposed Commercial Projectat Plot No. 20, Rajiv Gandhi Infotech Park, Phase III, Hinjewadi Village Bhoirwadi, Tal. - Mulshi, Pune. By M/S Synergy Infotech Pvt.Ltd
<b>2.Type of institution</b>	Private
<b>3.Name of Project Proponent</b>	Mr. Prithviraj solanke
<b>4.Name of Consultant</b>	Vk environmental LLP
<b>5.Type of project</b>	Commercial project
<b>6.New project/expansion in existing project/modernization/diversification in existing project</b>	New project
<b>7.If expansion/diversification, whether environmental clearance has been obtained for existing project</b>	Not applicable
<b>8.Location of the project</b>	Plot No. 20, Rajiv Gandhi Infotech Park,Phase III, Hinjewadi Village Bhoirwadi, Tal. - Mulshi, Pune
<b>9.Taluka</b>	Mulshi
<b>10.Village</b>	Bhoirwadi
<b>Correspondence Name:</b>	Mr.Prithviraj Solanke
<b>Room Number:</b>	Office no. 401/402
<b>Floor:</b>	4th
<b>Building Name:</b>	G.E. Plaza,
<b>Road/Street Name:</b>	Opp. Gunjan Theatre
<b>Locality:</b>	Yerawada
<b>City:</b>	Pune
<b>11.Area of the project</b>	MIDC
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	In process <b>IOD/IOA/Concession/Plan Approval Number: NA</b> <b>Approved Built-up Area:</b>
<b>13.Note on the initiated work (If applicable)</b>	No work initiated on site
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	NA
<b>15.Total Plot Area (sq. m.)</b>	52161 sqm
<b>16.Deductions</b>	Amenity space: 2608.05 sqm
<b>17.Net Plot area</b>	46,944.90 sqm
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> 82,527.83
	<b>b) Non FSI area (sq. m.):</b> 66,381.37
	<b>c) Total BUA area (sq. m.):</b> 148909.20
<b>18 (b).Approved Built up area as per DCR</b>	<b>Approved FSI area (sq. m.):</b>
	<b>Approved Non FSI area (sq. m.):</b>
	<b>Date of Approval:</b>
<b>19.Total ground coverage (m2)</b>	14083.47 sqm
<b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>	30%
<b>21.Estimated cost of the project</b>	2432000000

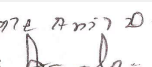
## 22.Number of buildings & its configuration

Name - S.D.Aher  
Designation - Secretary SEAC-III  
Sign 

**S.D.Aher (Secretary SEAC-III)**

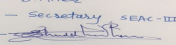
**SEAC Meeting No: 65 Meeting Date: May 28, 2018**

**Page 31  
of 61**

Name: K. Anil Kale  
Signature: 

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

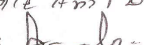
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)	
1	Tower A & Incubation Center	4P+11	66	
2	Tower B	4P+9	58	
<b>23.Number of tenants and shops</b>	Commercial complex Tower A with Incubation center Tower B Commercial Population: 8253 nos.			
<b>24.Number of expected residents / users</b>	Commercial Population: 8253 nos.			
<b>25.Tenant density per hectare</b>	Tenement density: 1582			
<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 :Hinjewadi phase 3 . approx distance: 1.8 km. width of road: 45 m			
<b>28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation</b>	9m			
<b>29.Existing structure (s) if any</b>	No			
<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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**S.D.Aher (Secretary SEAC-III)**

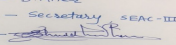
**SEAC Meeting No: 65 Meeting Date: May 28, 2018**

**Page 32 of 61**

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



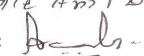
Dry season:	Source of water	MIDC							
	Fresh water (CMD):	297							
	Recycled water - Flushing (CMD):	165							
	Recycled water - Gardening (CMD):	42							
	Swimming pool make up (Cum):	0							
	Total Water Requirement (CMD) :	631(Including HVAC 218 kld)							
	Fire fighting - Underground water tank(CMD):	150							
	Fire fighting - Overhead water tank(CMD):	20							
	Excess treated water	0							
Wet season:	Source of water	MIDC							
	Fresh water (CMD):	255							
	Recycled water - Flushing (CMD):	165							
	Recycled water - Gardening (CMD):	0							
	Swimming pool make up (Cum):	0							
	Total Water Requirement (CMD) :	589(Including HVAC 218 kld)							
	Fire fighting - Underground water tank(CMD):	150							
	Fire fighting - Overhead water tank(CMD):	20							
	Excess treated water	0							
Details of Swimming pool (If any)	NA								
<b>33.Details of Total water consumed</b>									
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Water Requirement	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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**S.D.Aher (Secretary SEAC-III)**

**SEAC Meeting No: 65 Meeting Date: May 28, 2018**

**Page 33 of 61**

Name: K. Anil Kale  
 Signature: 

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

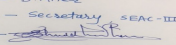
<b>34. Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	6 m postmonsoon , 8 m premonsoon
	<b>Size and no of RWH tank(s) and Quantity:</b>	NA
	<b>Location of the RWH tank(s):</b>	NA
	<b>Quantity of recharge pits:</b>	2 recharge pits + 1 Dugwell
	<b>Size of recharge pits :</b>	2m Dia x 6 m depth, with bore 60 m
	<b>Budgetary allocation (Capital cost) :</b>	40,000,00/-
	<b>Budgetary allocation (O &amp; M cost) :</b>	70 ,000/-
	<b>Details of UGT tanks if any :</b>	Fire 1 :150 kld Fire 2: 150 kld Domestic: 309 kld Reclaimed water from STP: 425 kld

<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>	3261 m3/annum
	<b>Size of SWD:</b>	800mm

<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	334
	<b>STP technology:</b>	MBBR
	<b>Capacity of STP (CMD):</b>	STP 1. 200 kld STP 2. 135 kld
	<b>Location &amp; area of the STP:</b>	On ground
	<b>Budgetary allocation (Capital cost):</b>	STP 1 Capital Cost: Rs. 59.00 lakhs/-, STP 2 Capital Cost: Rs. 39.20 lakhs/-
	<b>Budgetary allocation (O &amp; M cost):</b>	STP 1 -O & M Cost: Rs. 12.5 lakhs/- , STP 2 -O & M Cost: Rs. 10.89 lakhs/-

### 36. Solid waste Management

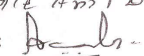
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	from labors: 20 kg/day
	<b>Disposal of the construction waste debris:</b>	The Construction waste generated during construction shall be segregated, reused on site and surplus shall be led to scrap dealers for recycling.
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	1485 kg/day
	<b>Wet waste:</b>	990 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: 22.6 kg/day

Name - S.D.Aher  
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Sign - 

**S.D.Aher (Secretary SEAC-III)**

**SEAC Meeting No: 65 Meeting Date: May 28, 2018**

**Page 34 of 61**

Name: **Kale Anil D.**  
Signature:   
**Shri. Anil Kale (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 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>	E waste will be handed over to Hitech recyclers.
<b>Area requirement:</b>	<b>Location(s):</b>	On ground
	<b>Area for the storage of waste &amp; other material:</b>	OWC 1 : 12 sqm, OWC 2 : 8 sqm
	<b>Area for machinery:</b>	OWC 1 : 36 sqm, OWC 2 : 32 sqm
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	OWC 1 : 14,75,000/-, OWC 2 : 12,50,000/-
	<b>O &amp; M cost:</b>	OWC 1 : 399044/-, OWC 2 : 255091/-

### 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

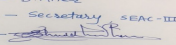
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 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

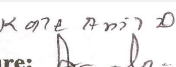

### 40. Details of Fuel to be used

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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**S.D.Aher (Secretary SEAC-III)**

**SEAC Meeting No: 65 Meeting Date: May 28, 2018**

Name:   
Signature: 

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

Page 35 of 61

<b>43.Green Belt Development</b>	<b>Total RG area :</b>	Mandatory open space: 5220.57 sqm + Additional green area: 2276 sqm=7495.57 sqm
	<b>No of trees to be cut :</b>	18
	<b>Number of trees to be planted :</b>	583 (new plantation) + 18 (existing) + 54 (as compensatory plantation for 18 trees) = 655
	<b>List of proposed native trees :</b>	Please refer below
	<b>Timeline for completion of plantation :</b>	Till operation phase

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

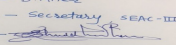
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadiracta indica	Kaduneeb	100	A medium to large size hardy tree which stand in drought condition attain larger size in dry regions
2	Michellia champaka	Sonchafa	80	Medium sized evergreen tree ,butterfly host plant
3	Millingtonia hortensis	India cork tree	80	A columnar evergreen tree grows well in both dry and moist regions
4	Plumeria alba	Champa	50	Ornamental flowering tree
5	Jacaranda mimosifolia	Jacaranda	35	Medium size gracious deciduous, flowering tree which prefers moderate climate
6	Albizzia lebbek	Shirish	40	Shady large tree ,ball shaped flowers
7	Bauhinia recemosa	Apata	85	Small hardy tree.
8	Lagerstromiaflos-regineae	Tamhan	60	State of the flower medium size tree, beautiful purple coloured flower
9	Casia fistula	Bahava	75	Small deciduous tree with yellow flowers
10	Butea monosperma	Palas	32	Small deciduous tree, good for road side plantation

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

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

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

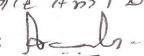
#### 47.Energy

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**S.D.Aher (Secretary SEAC-III)**

**SEAC Meeting No: 65 Meeting Date: May 28, 2018**

**Page 36 of 61**

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>	87.86 kw
	<b>DG set as Power back-up during construction phase</b>	1 DG set of 70 KVA
	<b>During Operation phase (Connected load):</b>	14307 KW
	<b>During Operation phase (Demand load):</b>	10064 KVA
	<b>Transformer:</b>	3 nos. x 2500KVA, 3 nos. X 2000KVA,4 nos.x 500KVA
	<b>DG set as Power back-up during operation phase:</b>	21 x 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.
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. Solar PV panel system is proposed for Street lighting & Building common lighting.
7. LPD of 7.5 W/sq.mtr. in Residential areas & 10.8 W/sq.mtr. in Office areas is proposed.
8. low loss transformers will be used

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

Serial Number	Energy Conservation Measures	Saving %
1	Solar PV in common area	54 nos.

#### 50. Details of pollution control Systems

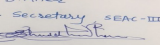
Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	15044400/-
	<b>O &amp; M cost:</b>	752220/-

### 51. Environmental Management plan Budgetary Allocation

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

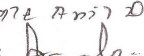
Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
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Name - S.D.Aher  
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**S.D.Aher (Secretary SEAC-III)**

**SEAC Meeting No: 65 Meeting Date: May 28, 2018**

**Page 37 of 61**

Name: K. Anil Kale  
Signature: 

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

1	Air Environment	Erosion control - dust suppression measures, barricading and top soil preservation	47.00/-
2	Land	Labour Camp toilets & sanitation	4.80/-
3	Land	Labour Camp toilets & sanitation	4.80/-
4	Health & Safety	Labour Safety Equipments and training	4.00/-
5	Environment	Environmental Monitoring	1.85/-
6	Health & Safety	Disinfection and Health Check-ups	0.51/-

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

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage treatment plant	2 STP	98.2/-	22.94/-
2	Solid waste management	2 OWC	27.25/-	6.54/-
3	Landscaping	development & maintenance of green area	18.73/-	1.49/-
4	Rain water harvesting	2 recharge pits + 1 Dugwell	40.0/-	0.70/-
5	Environmental Monitoring	air,water,noise,soil,waste water,OWC manure	-	0.84/-
6	Renewable energy	Solar PV	150.00/-	7.52/-

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

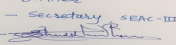
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

**52.Any Other Information**

No Information Available

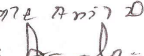

**53.Traffic Management**

<b>Nos. of the junction to the main road &amp; design of confluence:</b>	Proposed site is located at Hinjewadi . The road network within the site has been designed to cater to the traffic loads of the project. Internal driveways are 15 m wide. Existing access road is 45m wide.
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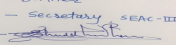
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**SEAC Meeting No: 65 Meeting Date: May 28, 2018**

**Page 38 of 61**

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

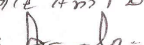
Parking details:	Number and area of basement:	No
	Number and area of podia:	26,900 sqm
	Total Parking area:	45135 sqm
	Area per car:	12.5
	Area per car:	12.5
	Number of 2-Wheelers as approved by competent authority:	1650
	Number of 4-Wheelers as approved by competent authority:	1650
	Public Transport:	NA
	Width of all Internal roads (m):	15m
	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	Building & construction project
	Court cases pending if any	NA
	Other Relevant Informations	Project is commercial development.
	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>		

Name - S.D.Aher  
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 Sign 

**S.D.Aher (Secretary SEAC-III)**

**SEAC Meeting No: 65 Meeting Date: May 28, 2018**

**Page 39 of 61**

Name: K. Anil Kale  
 Signature: 

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

Environment Clearance for For Proposed Commercial Project at Plot No. 20, Rajiv Gandhi Infotech Park, Phase III, Hinjewadi Village Bhoirwadi, Tal. - Mulshi, Pune. By **M/S Synergy Infotech Pvt.Ltd.**

PP submitted their application for prior Environmental clearance for total plot area of 52161Sq. Mtrs, BUA of 148909.20Sq. Mtrs and FSI area of 82527.83Sq. Mtrs. PP proposes to construct Tower A + Incubation centre and Tower B.

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

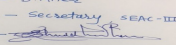
***SEAC decided to recommend the proposal for prior environmental Clearance, subject to PP complying with the following conditions.***

#### Specific Conditions by SEAC:

- 1) PP to submit detailed plan for energy saving with renewable energy.
- 2) PP to submit E-Waste quantity.
- 3) PP to submit Fire NOC.
- 4) PP to increase the number of native species of trees. and upload undertaking for transplantation

### FINAL RECOMMENDATION

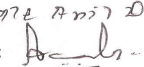
SEAC-III have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions

Name - S.D.Aher  
Designation - Secretary SEAC-III  
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**S.D.Aher (Secretary SEAC-III)**

**SEAC Meeting No: 65 Meeting Date: May 28, 2018**

**Page 40 of 61**

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



## Agenda for 65 th meeting of SEAC-3. Date-28 to 31 may 2018

**SEAC Meeting number: 65 Meeting Date May 28, 2018**

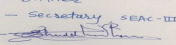
**Subject:** Environment Clearance for Proposed Residential & Commercial project

**Is a Violation Case:** No

1.Name of Project	YASHWIN WAKAD
2.Type of institution	Private
3.Name of Project Proponent	Mr. Ravi Ghanshyam Sukhwani
4.Name of Consultant	Green Circle Inc.
5.Type of project	Housing & 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	S. No. 146/1 A, 146/ 1B, 146/2
9.Taluka	Mulshi
10.Village	Wakad
Correspondence Name:	Mr. Sarvesh Javdekar
Room Number:	306
Floor:	3rd floor
Building Name:	Siddharth Towers
Road/Street Name:	Sangam Press Road
Locality:	Near Karishma Housing Society
City:	Pune
11.Area of the project	Pimpri Chinchwad Municipal Corporation (PCMC)
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> 85513.39
13.Note on the initiated work (If applicable)	Not Applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	22100 sq.m.
16.Deductions	1946.19 sq.m
17.Net Plot area	20153.81 sq.m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	<b>a) FSI area (sq. m.):</b> 40378.47
	<b>b) Non FSI area (sq. m.):</b> 45134.92
	<b>c) Total BUA area (sq. m.):</b> 85513.39
18 (b).Approved Built up area as per DCR	<b>Approved FSI area (sq. m.):</b> 40378.47
	<b>Approved Non FSI area (sq. m.):</b> 45134.92
	<b>Date of Approval:</b> 01-01-1900
19.Total ground coverage (m2)	8467.60
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	41.24 %
21.Estimated cost of the project	2050000000

### 22.Number of buildings & its configuration

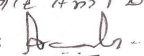
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
---------------	------------------------	------------------	-------------------------------

Name - S.D.Aher  
Designation - Secretary SEAC-III  
Sign 

**S.D.Aher (Secretary SEAC-III)**

**SEAC Meeting No: 65 Meeting Date: May 28, 2018**

**Page 41  
of 61**

Name: K. Anil Kale  
Signature: 

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

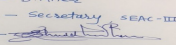
1	Wing A1	B+P+22	69.95
2	Wing A2	B+P+22	69.95
3	Wing B1 & B2	P+22	69.95
4	Mhada- B3	P+8	26.80
5	Commercial	B+G+5	20.95

<b>23.Number of tenants and shops</b>	Residential- 554 nos. of tenements, Mhada- 64 nos. and Shops- 19 nos.
<b>24.Number of expected residents / users</b>	Residential- 2770 nos. , Mhada- 320 nos. residents and Commercial- 1155 nos, Total users - 4245 nos.
<b>25.Tenant density per hectare</b>	251 (without EWS)
<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 is Hinjawadi Phase-I distance - 3.9 Km, 18.00.00 m. wide DP Road
<b>28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation</b>	9 m
<b>29.Existing structure (s) if any</b>	Not Applicable
<b>30.Details of the demolition with disposal (If applicable)</b>	Not Applicable

### 31.Production Details

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

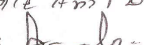
### 32.Total Water Requirement

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**S.D.Aher (Secretary SEAC-III)**

**SEAC Meeting No: 65 Meeting Date: May 28, 2018**

**Page 42 of 61**

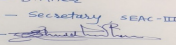
Name: K. Anil Kale  
Signature: 

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

<b>Dry season:</b>	<b>Source of water</b>	Pimpri Chinchwad Municipal Corporation (PCMC)/ Borewell/ tanker							
	<b>Fresh water (CMD):</b>	Residential- 249 m3/d, Mhada- 29.0 m2/d, Commercial- 23 m3/d ,Total - 301 m3/day							
	<b>Recycled water - Flushing (CMD):</b>	Residential- 125 m3/d, Mhada- 14 m2/d, Commercial- 29 m3/d, Total - 168 m3/d							
	<b>Recycled water - Gardening (CMD):</b>	32.0							
	<b>Swimming pool make up (Cum):</b>	0							
	<b>Total Water Requirement (CMD) :</b>	501							
	<b>Fire fighting - Underground water tank(CMD):</b>	325							
	<b>Fire fighting - Overhead water tank(CMD):</b>	95							
	<b>Excess treated water</b>	239							
<b>Wet season:</b>	<b>Source of water</b>	Pimpri Chinchwad Municipal Corporation (PCMC)/ Borewell/ tanker							
	<b>Fresh water (CMD):</b>	Residential- 249 m3/d, Mhada- 29.0 m2/d, Commercial- 23 m3/d, Total - 301 m3/day							
	<b>Recycled water - Flushing (CMD):</b>	Residential- 125 m3/d, Mhada- 14 m2/d, Commercial- 29 m3/d, Total - 168 m3/d							
	<b>Recycled water - Gardening (CMD):</b>	0							
	<b>Swimming pool make up (Cum):</b>	0							
	<b>Total Water Requirement (CMD) :</b>	469							
	<b>Fire fighting - Underground water tank(CMD):</b>	325							
	<b>Fire fighting - Overhead water tank(CMD):</b>	95							
	<b>Excess treated water</b>	271							
<b>Details of Swimming pool (If any)</b>	NA								

### 33.Details of Total water consumed

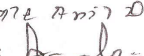

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	NA	301	301	0	0	0	0	301	301
Gardening	NA	32	32	0	0	0	0	0	0
Fresh water requirement	NA	469	469	0	30	0	0	439	439

Name - S.D.Aher  
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**S.D.Aher (Secretary SEAC-III)**

**SEAC Meeting No: 65 Meeting Date: May 28, 2018**

**Page 43 of 61**

Name:   
Signature: 

**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>	5 Nos.
	<b>Size of recharge pits :</b>	2 X 2 X 2.5 m.
	<b>Budgetary allocation (Capital cost) :</b>	12,50,000
	<b>Budgetary allocation (O &amp; M cost) :</b>	1,50,000
	<b>Details of UGT tanks if any :</b>	1. Fire tank- 225 m3 2. Raw water tank- 179 m3 3. Domestic water tank- 179 m3 4. Drinking water tank-74 m3 5. Total for Residential ,EWS and commercial 657 m3
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	5 m sloping From West to East
	<b>Quantity of storm water:</b>	814.38 cu.m./hr
	<b>Size of SWD:</b>	600 mm.
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	439 m3/day
	<b>STP technology:</b>	MBBR
	<b>Capacity of STP (CMD):</b>	Residential - 365 m3/day, Mhada/EWS - 45 m3/day, Commercial - 50 m3/day
	<b>Location &amp; area of the STP:</b>	North-east side of plot, area 250.00 sq. m.
	<b>Budgetary allocation (Capital cost):</b>	1,57,78000
	<b>Budgetary allocation (O &amp; M cost):</b>	23,96,000
<b>36.Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	Construction waste will be generated from the building, mainly comprising of waste concrete, excavated soil, broken bricks, waste plaster, metallic scrap etc. Debris chute will be used to channelize the waste from the building to the point of pick up on ground.
	<b>Disposal of the construction waste debris:</b>	Construction debris will be used for base preparation of road and for site leveling. Dry waste will be handed over to PCMC Ghantagaadi.
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	964 kg/day
	<b>Wet waste:</b>	1158 kg/day
	<b>Hazardous waste:</b>	Not Applicable
	<b>Biomedical waste (If applicable):</b>	Not Applicable
	<b>STP Sludge (Dry sludge):</b>	92 kg/day
	<b>Others if any:</b>	Not Applicable
<b>III)</b>	<b>2018</b>	<b>of 61   SEAC-III)</b>

<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	PCMC Ghantagaadi/ SWACH
	<b>Wet waste:</b>	Organic Waste Composter
	<b>Hazardous waste:</b>	Not Applicable
	<b>Biomedical waste (If applicable):</b>	Not Applicable
	<b>STP Sludge (Dry sludge):</b>	Used as Manure for landscaping
	<b>Others if any:</b>	Not Applicable
<b>Area requirement:</b>	<b>Location(s):</b>	North -east side of plot
	<b>Area for the storage of waste &amp; other material:</b>	100 Sq.m.
	<b>Area for machinery:</b>	28 Sq.m.
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	47,75,000
	<b>O &amp; M cost:</b>	10,26,537

### 37. Effluent Characteristics

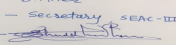
Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	NA	7.6	7.5	5.5-9.0
2	Suspended Solids	mg/l	200	20	<50
3	3 days BOD @ 27degC	mg/l	250	10	<30
4	COD	mg/l	300	75	<100
Amount of effluent generation (CMD):		Not applicable			
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

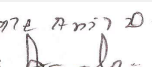
Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	100 KVA DG set for common areas residential & Mhada	HSD	2	3	0.125	450 deg C
2	160 KVA DG set for utility services of residential	HSD	1	3	0.125	450 deg C

Name - S.D.Aher  
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**S.D.Aher (Secretary SEAC-III)**

**SEAC Meeting No: 65 Meeting Date: May 28, 2018**

**Page 45 of 61**

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

3	25 KVA DG set - commercial building	HSD	1	3	0.100	450 deg C
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#### 40.Details of Fuel to be used

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

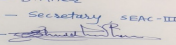
<b>43.Green Belt Development</b>	<b>Total RG area :</b>	2089.90
	<b>No of trees to be cut :</b>	0
	<b>Number of trees to be planted :</b>	280
	<b>List of proposed native trees :</b>	280
	<b>Timeline for completion of plantation :</b>	Trees will be planted within next 5 years

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Neem	Azadirachta indica	21	Medicinal value, To control soil erosion. To improve soil erosion
2	Apta	Bahuniaracemosa	21	Every part of the plant is medicinal, Drought tolerant species.
3	Fishtail palm	Caryotaurens	7	Grown in any type of soil. Very Hardy.
4	Lemon	Citrus species	21	Medicinal value, Edible fruit.
5	Shisav	Dalbergiasissoo	21	Medicinal value, Bird attracting species
6	Pangara	Erythrina indica	21	Fragrant flowers, Drought tolerant species, Birds attracting
7	Shivan	Gmelina arborea	21	Medicinal value, Drought tolerant species, Bird attracting species.
8	Bakul	Mimosupselengii	21	Fragrant flowers, Medicinal value, To control soil erosion.
9	Kadipatta	Murrayakoengii	21	Medicinal value, Edible leaves.
10	Bel	Aeglemarmelos	21	Fragrant flowers, Bird attracting species.
11	Parijatak	Nyctanthus arbortristis	21	Fragrant flowers, Medicinal value
12	Putrnjiva	Putrnjivaroxburghii	21	Medicinal value, Drought tolerant species
13	Bottle palm	Roystonia regia	21	Ornamental plant, Medicinal value, Birds & bats eat fruits.
14	Jamun	Syzygium cumini	21	Medicinal value, Edible fruit.

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

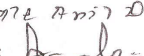
#### 46.Number and list of shrubs and bushes species to be planted in the podium RG:

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**S.D.Aher (Secretary SEAC-III)**

**SEAC Meeting No: 65 Meeting Date: May 28, 2018**

**Page 46 of 61**

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

Serial Number	Name	C/C Distance	Area m2
1	Neriumolender pink	0.23	18.32
2	Adathodavasica	1.6	7.14
3	Cassia auriculata	1	10.5
4	Cymopogonfloxus	2	20
5	Plumbagocapensis	0.45	60
6	Tabernaemontanacoronaria	0.30	24

### 47. Energy

<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	110 KW
	<b>DG set as Power back-up during construction phase</b>	01 nos. X 125 KVA
	<b>During Operation phase (Connected load):</b>	3839 KW
	<b>During Operation phase (Demand load):</b>	1865 KW
	<b>Transformer:</b>	04 nos. X 630 KVA
	<b>DG set as Power back-up during operation phase:</b>	01 nos. X 25 KVA, 02 nos. X 100 KVA, 02 nos. 01 nos. X 160 KVA
	<b>Fuel used:</b>	HSD
<b>Details of high tension line passing through the plot if any:</b>	Not Applicable	

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

Solar Water Heating Systems @ 125 litres/apartment, Solar photo voltaic generation panels- 24 KW capacity, LED lights for common areas, Timer switches for street lights, Skylights for podium parking, Energy efficient pumps

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

Serial Number	Energy Conservation Measures	Saving %
1	Energy Saving using Energy efficient LED fixtures Against Conventional CFL/T8 fixture with Electronic Ballast for Common Area	45917.0 kWh/annum= 41.52%
2	Energy Saving using Automatic Timer operation Against Manual operation for External & Common Area Lighting	33647.16 kWh/annum= 33.33%
3	Energy Saving using Solar Water Heater Against Electrical water Heater	33600 kWh/annum= 66.04%
4	Energy saving using Low Loss Transformer Against Conventional Transformer	10512.0 kWh/annum= 5.00%

### 50. Details of pollution control Systems

<p>Name - S.D.Aher Designation - Secretary SEAC-III Sign - </p> <p><b>S.D.Aher (Secretary SEAC-III)</b></p>	<p><b>SEAC Meeting No: 65 Meeting Date: May 28, 2018</b></p>	<p><b>Page 47 of 61</b></p>	<p>Name: K. Anil Kale Signature: </p> <p><b>Shri. Anil Kale (Chairman SEAC-III)</b></p>
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Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	69,35,000
	O & M cost:	2,22,000

## 51.Environmental Management plan Budgetary Allocation

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

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water for dust suppression	Sprinklers system	2
2	Site sanitation, disinfection & safety	Mobile toilets, fumigation, Personal protective equipments	10
3	Environment monitoring	Air, noise, water & soil	2
4	Health checkup	Hospital	2
5	Environment Management Cell	Formation of cell	8.40

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

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Rain Water Harvesting	05 nos. of recharge pits	12.5	1.50
2	Sewage Treatment Plant	Residential - 365 m <sup>3</sup> /day, Mhada/EWS - 45 m <sup>3</sup> /day, Commercial - 50 m <sup>3</sup> /day	157.78	24
3	Organic Waste Composter	1177 kg/ day	47.75	10.26
4	Tree plantation	280 nos. of trees	20	3
5	Energy Conservation	Solar water heating systems, Solar photo voltaic generation	69.35	2.22
6	Environment Management Cell	Comprising of society & technical staff	0	7.50
7	Basement ventilation	Exhaust fans	40	3.50
8	Environment Monitoring	Air, noise, water & soil	0	3.50
9	Basement Pumping	Stormwater dewatering in basement	2	0.30

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

Name - S.D.Aher Designation - Secretary SEAC-III Sign 	<b>SEAC Meeting No: 65 Meeting Date: May 28, 2018</b>	<b>Page 48 of 61</b>	Name: K. Anil Kale Signature:  <b>Shri. Anil Kale (Chairman SEAC-III)</b>
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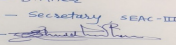
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 52. Any Other Information

No Information Available

### 53. Traffic Management

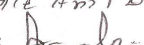
	<b>Nos. of the junction to the main road &amp; design of confluence:</b>	The project is located on 18.00 M Wide D.P. Road & entrance gate is planned in such a way that vehicular movement on main road will not be affected
<b>Parking details:</b>	<b>Number and area of basement:</b>	01 nos.- 5629.98 sq.m
	<b>Number and area of podia:</b>	03 nos.- 8307.27 sq.m.
	<b>Total Parking area:</b>	19031.39 sq.m.
	<b>Area per car:</b>	32.00 sq.m
	<b>Area per car:</b>	32.00 sq.m
	<b>Number of 2-Wheelers as approved by competent authority:</b>	1387
	<b>Number of 4-Wheelers as approved by competent authority:</b>	376
	<b>Public Transport:</b>	PMPML bus service
	<b>Width of all Internal roads (m):</b>	7.5 m
	<b>CRZ/ RRZ clearance obtain, if any:</b>	Not Applicable
	<b>Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries</b>	Not Applicable
	<b>Category as per schedule of EIA Notification sheet</b>	8(b)
	<b>Court cases pending if any</b>	Not Applicable
	<b>Other Relevant Informations</b>	Not Applicable

Name - S.D.Aher  
Designation - Secretary SEAC-III  
Sign - 

**S.D.Aher (Secretary SEAC-III)**

**SEAC Meeting No: 65 Meeting Date: May 28, 2018**

**Page 49 of 61**

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>	21-02-2018

## 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 project at S. No. 146/1 A, 146/ 1B, 146/2Wakad,Tal-Mulshi,Pune by **M/s.YASHWIN WAKAD.**

PP submitted their application for prior Environmental clearance for total plot area of 22100Sq. Mtrs, BUA of 85513.39Sq. Mtrs and FSI area of 40378.47Sq. Mtrs.PP proposes to construct 5 no. residential buildings (wing) and 1 no commercial 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

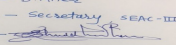
***SEAC decided to recommend the proposal for prior environmental Clearance, subject to PP complying with the following conditions.***

**Specific Conditions by SEAC:**

- 1) PP to submit acknowledgement copy for application of CFO NOC.
- 2) PP to upload energy saving calculations.
- 3) PP to upload Disaster Management Plan.

### FINAL RECOMMENDATION

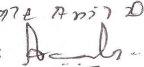
SEAC-III have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions

Name - S.D.Aher  
Designation - Secretary SEAC-III  
Sign 

**S.D.Aher (Secretary SEAC-III)**

**SEAC Meeting No: 65 Meeting Date: May 28, 2018**

**Page 50  
of 61**

Name: K. Anil Kale  
Signature: 

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

## Agenda for 65 th meeting of SEAC-3. Date-28 to 31 may 2018

**SEAC Meeting number: 65 Meeting Date May 28, 2018**

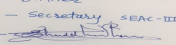
**Subject:** Environment Clearance for Proposed Residential project YashONE, Hinjawadi

**Is a Violation Case:** No

1.Name of Project	YashONE, Hinjawadi
2.Type of institution	Private
3.Name of Project Proponent	Mr. Parag Shripatrao Mate
4.Name of Consultant	Green Circle Inc.
5.Type of project	Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	NA
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	S. No. 29/1, 29/2, 31, 32, village- Maan, Tal. Mulshi, Dist. Pune, Maharashtra, Pin code-411057
9.Taluka	Mulshi
10.Village	Maan
Correspondence Name:	Mr. Sarvesh Javdekar
Room Number:	306
Floor:	3rd floor
Building Name:	Siddharth Towers
Road/Street Name:	Sangam Press Road
Locality:	Near Karishma Housing Society
City:	Pune
11.Area of the project	Pune Metropolitan Regional Development Authority (PMRDA)
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> 74352.86
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.)	40239.00
16.Deductions	14616.55
17.Net Plot area	25622.45
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 42999.68
	b) Non FSI area (sq. m.): 31353.18
	c) Total BUA area (sq. m.): 74352.86
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): In process
	Approved Non FSI area (sq. m.): In process
	Date of Approval: 01-01-1900
19.Total ground coverage (m2)	6674.95
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	26.05
21.Estimated cost of the project	1850000000

### 22.Number of buildings & its configuration

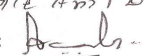
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
---------------	------------------------	------------------	-------------------------------

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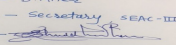
**SEAC Meeting No: 65 Meeting Date: May 28, 2018**

**Page 51  
of 61**

Name: K. Anil Kale  
Signature: 

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

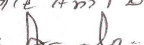
1	Building A	UGP + 22	69.95	
2	Building B	BP+LGP+UGP+21	69.95	
3	Building C	BP+LGP+UGP+21	69.95	
<b>23.Number of tenants and shops</b>		640 tenants		
<b>24.Number of expected residents / users</b>		3200 residents		
<b>25.Tenant density per hectare</b>		213 nos.		
<b>26.Height of the building(s)</b>				
<b>27.Right of way (Width of the road from the nearest fire station to the proposed building(s))</b>		36.00		
<b>28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation</b>		9.0		
<b>29.Existing structure (s) if any</b>		NIL		
<b>30.Details of the demolition with disposal (If applicable)</b>		NA		
<b>31.Production Details</b>				
<b>Serial Number</b>	<b>Product</b>	<b>Existing (MT/M)</b>	<b>Proposed (MT/M)</b>	<b>Total (MT/M)</b>
1	NA	NA	NA	NA
<b>32.Total Water Requirement</b>				

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**SEAC Meeting No: 65 Meeting Date: May 28, 2018**

**Page 52 of 61**

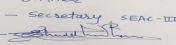
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Dry season:	Source of water	Pune Metropolitan Regional Development Authority (PMRDA)/ Borewell/ tanker							
	Fresh water (CMD):	288							
	Recycled water - Flushing (CMD):	144							
	Recycled water - Gardening (CMD):	77							
	Swimming pool make up (Cum):	0							
	Total Water Requirement (CMD) :	509							
	Fire fighting - Underground water tank(CMD):	300							
	Fire fighting - Overhead water tank(CMD):	75							
	Excess treated water	182							
Wet season:	Source of water	Pune Metropolitan Regional Development Authority (PMRDA)/ Borewell/ tanker							
	Fresh water (CMD):	288							
	Recycled water - Flushing (CMD):	144							
	Recycled water - Gardening (CMD):	0							
	Swimming pool make up (Cum):	0							
	Total Water Requirement (CMD) :	432							
	Fire fighting - Underground water tank(CMD):	300							
	Fire fighting - Overhead water tank(CMD):	75							
	Excess treated water	259							
Details of Swimming pool (If any)	NA								

### 33.Details of Total water consumed

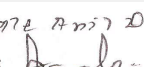

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	NA	288	288	0	29	29	0	259	259
Gardening	NA	77	77	0	0	0	0	0	0
Fresh water requirement	NA	432	432	0	29	29	0	403	403

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**S.D.Aher (Secretary SEAC-III)**

**SEAC Meeting No: 65 Meeting Date: May 28, 2018**

**Page 53 of 61**

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

<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	6-8 m BGL
	<b>Size and no of RWH tank(s) and Quantity:</b>	NA
	<b>Location of the RWH tank(s):</b>	NA
	<b>Quantity of recharge pits:</b>	8 Nos.
	<b>Size of recharge pits :</b>	2 X 2 X 2.5 m.
	<b>Budgetary allocation (Capital cost) :</b>	20,00,000
	<b>Budgetary allocation (O &amp; M cost) :</b>	2,00,000
	<b>Details of UGT tanks if any :</b>	1. Fire tank- 300 m3 2. Raw water tank- 216 m3 3. Flushing water tank- 144 m3 4. Drinking water tank- 72 m3 5. Total for Residential- 732 m3
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	4 m. sloping From West to East
	<b>Quantity of storm water:</b>	1483 cu.m./hr
	<b>Size of SWD:</b>	600 mm.
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	403
	<b>STP technology:</b>	MBBR
	<b>Capacity of STP (CMD):</b>	01 nos.- 425 cu m./day
	<b>Location &amp; area of the STP:</b>	North-east side of plot, area 171.00 sq. m.
	<b>Budgetary allocation (Capital cost):</b>	110,87,000
	<b>Budgetary allocation (O &amp; M cost):</b>	14,82,000
<b>36.Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	Construction waste will be generated from the building, mainly comprising of waste concrete, excavated soil, broken bricks, waste plaster, metallic scrap etc. Debris chute will be used to channelize the waste from the building to the point of pick up on ground.
	<b>Disposal of the construction waste debris:</b>	Construction debris will be used for base preparation of road and for site leveling. Dry waste will be handed over to authorized recyclers.
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	640 kg/day
	<b>Wet waste:</b>	960 kg/day
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	85 kg/day
	<b>Others if any:</b>	NA
<b>III)</b>	<b>2018</b>	<b>of 61</b>   <b>SEAC-III)</b>

<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Authorized recyclers/ SWACH
	<b>Wet waste:</b>	Organic Waste Composter
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	Used as Manure for landscaping
	<b>Others if any:</b>	NA
<b>Area requirement:</b>	<b>Location(s):</b>	North-east side of plot
	<b>Area for the storage of waste &amp; other material:</b>	24 sq.m.
	<b>Area for machinery:</b>	40 sq.m.
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	25,75,000
	<b>O &amp; M cost:</b>	5,50,000

### 37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	NA	7.6	7.5	5.5-9.0
2	Suspended Solids	mg/l	200	20	<50
3	3 days BOD @ 27degC	mg/l	250	10	<30
4	COD	mg/l	300	75	<100
Amount of effluent generation (CMD):		NA			
Capacity of the ETP:		NA			
Amount of treated effluent recycled :		NA			
Amount of water send to the CETP:		NA			
Membership of CETP (if require):		NA			
Note on ETP technology to be used		NA			
Disposal of the ETP sludge		NA			

### 38. Hazardous Waste Details

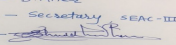
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	NA	NA	NA	NA	NA	NA	NA

### 39. Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	125 KVA DG set	HSD	1	3	0.125	450 deg C
2	Common Area -STP, street light, pumps etc.- 160 KVA DG set	HSD	2	3	0.125	450 deg C

### 40. Details of Fuel to be used

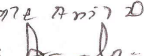
Serial Number	Type of Fuel	Existing	Proposed	Total

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**SEAC Meeting No: 65 Meeting Date: May 28, 2018**

**Page 55 of 61**

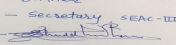
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1	HSD	NA	HSD	HSD
41.Source of Fuel		Transportation		
42.Mode of Transportation of fuel to site		By vehicle		

<b>43.Green Belt Development</b>	<b>Total RG area :</b>	3014.41
	<b>No of trees to be cut :</b>	10
	<b>Number of trees to be planted :</b>	340
	<b>List of proposed native trees :</b>	As per table below
	<b>Timeline for completion of plantation :</b>	Trees will be planted within next 5 years

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

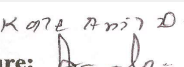

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Ailanthus excelsa	Mahrukh	12	Drought tolerant species, To control soil erosion
2	Albizia lebek	Shirish	12	Medicinal for Skin, Fragrant flowers, To control soil erosion, Bird attracting species
3	Anthocephalus kadamba	Kadamb	12	Medicinal value, To control soil erosion, Birds, squirrels, monkey eat fruits
4	Azardirachta Indica	Neem	18	Medicinal value, To control soil erosion. To improve soil erosion
5	Bauhinia blackiana	Kanchanraj	12	Every part of the plant is medicinal, Drought tolerant species
6	Bauhinia purpurea	Gulabi kanchan	12	Every part of the plant is medicinal, Drought tolerant species
7	Butea monosperma	Palas	12	Medicinal value, Bird attracting species, To control soil erosion
8	Cassia fistula	Bahawa	12	Medicinal value, Drought tolerant species, Very ornamental, Well flowering plant, Honey bee attracting species, Host plant for Butterfly
9	Choclospermum religiosum	Sonsawar	12	Medicinal value, Native species
10	Dalbergia sissoo	Shisav	12	Medicinal value, Bird attracting species
11	Ficus retusa	Nandruk	12	Medicinal value, Bird attracting species, Drought tolerant species, Hardy plant
12	Phyllanthus emblica	Awla	12	Medicinal value, To control soil erosion
13	Mangifera indica	Mango	12	Edible fruit, Bird attracting species
14	Michelia champaca	Sonchaffa	12	Medicinal value, Fragrant flowers, Butterfly larvae host plant, Bird attracting species, Fast growing

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**SEAC Meeting No: 65 Meeting Date: May 28, 2018**

**Page 56 of 61**

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

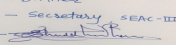


15	Pongamia pinnata	Karanj	12	Medicinal value, Drought tolerant species, To control soil erosion, Hardy plant
16	Saraca indica	Sita-ashok	12	Medicinal value, Religious plant
17	Syzygium cumini	Jamun	12	Medicinal value, Edible fruit
18	Bahunia racemosa	Apta	12	Every part of the plant is medicinal, Drought tolerant species
19	Caryota urens	Fishtail palm	12	Grown in any type of soil. Very Hardy
20	Citrus species	Lemon	10	Medicinal value, Edible fruit
21	Erythrina indica	Pangara	12	Fragrant flowers, Drought tolerant species, Birds attracting
22	Gmelina arborea	Shivan	12	Medicinal value, Drought tolerant species, Bird attracting species
23	Mimosops elengii	Bakul	12	Fragrant flowers, Medicinal value, To control soil erosion
24	Murraya koengii	Kadipatta	12	Medicinal value, Edible leaves
25	Aegle marmelos	Bel	12	Fragrant flowers, Bird attracting species
26	Nyctanthus arborescens	Parijata	12	Fragrant flowers, Medicinal value
27	Putranjiva roxburghii	Putranjiva	12	Medicinal value, Drought tolerant species
28	Roystonea regia	Bottle palm	12	Ornamental plant, Medicinal value, Birds & bats eat fruits

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

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

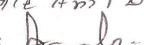
Serial Number	Name	C/C Distance	Area m2
1	Nerium olender pink	0.23	18.32
2	Adathoda vasica	1.6	7.14
3	Cassia auriculata	1	10.5
4	Cymopogon floxus	2	20
5	Plumbago capensis	0.45	60
6	Tabernaemontana coronaria variegated	0.3	24
7	Stachytarpheta indica	0.23	18.32
8	Cestrum nocturnum	1	10.5
9	Belloperone gutta	2	20
10	Jasminum sambac	0.45	60
11	Hedychium flavescens	0.3	24
12	Calliandra emarginata	0.23	18.32
13	Cassia biflora	1.6	7.14
14	Ficusbenjamina black	1	10.5
15	Ficusbenjamina starlight	2	20
16	Alpinia speciosus	0.45	60
17	Euphorbia carcasana	0.3	24

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**S.D.Aher (Secretary SEAC-III)**

**SEAC Meeting No: 65 Meeting Date: May 28, 2018**

**Page 57 of 61**

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

18	Psuedoerenthemum reticulum	0.23	18.32
19	Heliconia psittacorum	1.6	7.14
20	Acalypha wilkesiana	1	10.5
21	Murraya exotica	2	20

### 47. Energy

<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	78.25 KW
	<b>DG set as Power back-up during construction phase</b>	01 nos. X 125 KVA
	<b>During Operation phase (Connected load):</b>	2974.18 KW
	<b>During Operation phase (Demand load):</b>	1684.03 KVA (1347.23 KW)
	<b>Transformer:</b>	03 nos. X 630 KVA
	<b>DG set as Power back-up during operation phase:</b>	01 nos. X 125 KVA, 01 nos. X 160 KVA
	<b>Fuel used:</b>	HSD
<b>Details of high tension line passing through the plot if any:</b>	NA	

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

Solar Water Heating Systems @ 125 litres/apartment,  
Solar photo voltaic generation panels- 30 KW capacity,  
LED lights for common areas,  
Timer switches for street lights,  
Skylights for podium parking,  
Energy efficient pumps

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

Serial Number	Energy Conservation Measures	Saving %
1	Energy Saving using Energy efficient LED fixtures Against Conventional CFL/T8 fixture with Electronic Ballast for Common Area	50924.8 kWh/annum= 39.30%
2	Energy Saving using Automatic Timer operation Against Manual operation for External & Common Area Lighting	13578 kWh/annum= 33.33%
3	Energy Saving using Solar Water Heater Against Electrical water Heater	332800 kWh/annum= 74.29%
4	Energy saving using Low Loss Transformer Against Conventional Transformer	10512 kWh/annum= 5.00%

### 50. Details of pollution control Systems

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

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**SEAC Meeting No: 65 Meeting Date: May 28, 2018**

**Page 58 of 61**

Name: K. Anil Kale  
Signature:

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

Dust	NA	Water sprinklers
Sewage	NA	Sewage Treatment Plant
Solid waste	NA	Organic Waste Composter
Vehicular	NA	PUC check
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	7655000
	<b>O &amp; M cost:</b>	400000

## 51.Environmental Management plan Budgetary Allocation

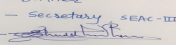
### a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water for dust suppression	Sprinklers system	2
2	Site sanitation, disinfection & safety	Mobile toilets, fumigation, Personal protective equipments	10
3	Environment monitoring	Air, noise, water & soil	2
4	Health checkup	Hospital	2
5	Environment Management Cell	Formation of cell	8.4

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

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Rain Water Harvesting	08 nos. of recharge pits	20	2
2	Sewage Treatment Plant	425 KLD STP	110.87	14.82
3	Organic Waste Composter	960 kg/ day	25.75	5.5
4	Tree plantation	340 nos. of trees	24	4
5	Energy Conservation	LED lights, Solar water heating systems, Solar photo	76.55	4
6	Environment Management Cell	Comprising of society & technical staff	0	7.5
7	Basement ventilation	Exhaust fans	75	5
8	Environment Monitoring	Air, noise, water & soil	0	4
9	Basement pumping	Storm water dewatering in basement	3	0.45

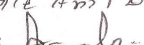
## 51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)

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**SEAC Meeting No: 65 Meeting Date: May 28, 2018**

**Page 59 of 61**

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

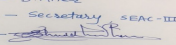
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
NA	NA	NA	NA	NA	NA	NA	NA

### 52.Any Other Information

No Information Available

### 53.Traffic Management

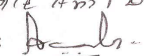
	<b>Nos. of the junction to the main road &amp; design of confluence:</b>	The project is located on 110.0 m. wide proposed Ring road & entrance gate is planned in such a way that vehicular movement on main road will not be affected
<b>Parking details:</b>	<b>Number and area of basement:</b>	01 nos.- 3437.56 sq.m.
	<b>Number and area of podia:</b>	02 nos.- 11889.46 sq.m.
	<b>Total Parking area:</b>	15327.02 sq.m.
	<b>Area per car:</b>	31.09 sq.m
	<b>Area per car:</b>	31.09 sq.m
	<b>Number of 2-Wheelers as approved by competent authority:</b>	1008
	<b>Number of 4-Wheelers as approved by competent authority:</b>	493
	<b>Public Transport:</b>	PMPML bus service
	<b>Width of all Internal roads (m):</b>	7.5 m and 6 m
	<b>CRZ/ RRZ clearance obtain, if any:</b>	NA
	<b>Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries</b>	NA
	<b>Category as per schedule of EIA Notification sheet</b>	8(b)
	<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

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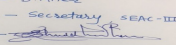
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**SEAC Meeting No: 65 Meeting Date: May 28, 2018**

**Page 60 of 61**

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

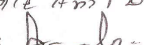
	Date of online submission	-
<b>SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS</b>		
Summarised in brief information of Project as below.		
<b>Brief information of the project by SEAC</b>		
<p>Environment Clearance for Proposed Residential project at S. No. 29/1, 29/2, 31, 32, village- Maan, Tal. Mulshi, Dist. Pune, Maharashtra, <b>M/s.YashONE, Hinjawadi.</b></p> <p>PP submitted their application for prior Environmental clearance for total plot area of 40239Sq. Mtrs, BUA of 98604.58 Sq. Mtrs and FSI area of 68507.14Sq. Mtrs. PP proposes to construct 11 no. residential building.</p> <p>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.</p>		
<b>DECISION OF SEAC</b>		
<p><b><i>SEAC decided to recommend the proposal for prior environmental Clearance, subject to PP complying with the following conditions.</i></b></p> <p><b>Specific Conditions by SEAC:</b></p> <ol style="list-style-type: none"> <li>1) PP to upload exiting tree list.</li> <li>2) PP to increase number of native trees species.</li> <li>3) PP to upload NOC/Undertaking for sewer line and SWD line.</li> <li>4) PP to upload energy saving calculations.</li> </ol>		
<b>FINAL RECOMMENDATION</b>		
SEAC-III have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions		

Name - S.D.Aher  
 Designation - Secretary SEAC-III  
 Sign - 

**S.D.Aher (Secretary SEAC-III)**

**SEAC Meeting No: 65 Meeting Date: May 28, 2018**

**Page 61 of 61**

Name: K. Anil Kale  
 Signature: 

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