

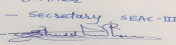
## Agenda for 66 th Meeting of SEAC-3

**SEAC Meeting number: 66 Meeting Date June 12, 2018**

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

**Is a Violation Case:** No

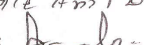
<b>1.Name of Project</b>	Grand Horizon by Grenesiis Constro Pvt. Ltd.
<b>2.Type of institution</b>	Private
<b>3.Name of Project Proponent</b>	Mr. Arinjay Korgaonkar
<b>4.Name of Consultant</b>	Mr. Rajesh Shrivastava, PECS (Pollution and Ecology Control Services)
<b>5.Type of project</b>	Housing project
<b>6.New project/expansion in existing project/modernization/diversification in existing project</b>	Not applicable
<b>7.If expansion/diversification, whether environmental clearance has been obtained for existing project</b>	Not applicable
<b>8.Location of the project</b>	S.No. 34/1/4,39/1A+39/2/5/1,
<b>9.Taluka</b>	Haveli
<b>10.Village</b>	Wadgaon (Bk)
<b>Correspondence Name:</b>	Mr. Arinjay Korgaonkar
<b>Room Number:</b>	A-501
<b>Floor:</b>	5th
<b>Building Name:</b>	Thacker's House
<b>Road/Street Name:</b>	East Street
<b>Locality:</b>	Camp
<b>City:</b>	Pune
<b>11.Area of the project</b>	Pune Municipal Area
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	Pune Municipal Corporation
	<b>IOD/IOA/Concession/Plan Approval Number:</b> CC/3613/15 dated 28/1/2016
	<b>Approved Built-up Area:</b> 7144.60
<b>13.Note on the initiated work (If applicable)</b>	Work has been initiated & completed the details of which are as under: First plan for amalgamation of plot and layout was sanctioned vide commencement certificate no. CC/2821/10 Dated 20/11/2010. The first NA Order was issued by Collector, Pune bearing no. PMH/NA/SR/68/2011 Dated 25/08/11 for 2549.10 sqm. Thereafter the second NA Order was issued bearing no PMH/NA/SR/1136/2012 Dated 5/10/13 for the entire plot of 10120 sqm. The first revision was sanctioned vide commencement certificate no CC/2330/12 Dated 9/11/12 The second revision was sanctioned vide commencement certificate no CC/3023/15 Dated 19/12/2015. The third revision was sanctioned vide commencement certificate no CC/3613/15 Dated 28/1/2016. The plan was sanctioned for FSI= 7144.60 sqm The plan was sanctioned and construction completed is FSI= 7144.60 sqm + Non FSI= 18190.65 sqm Total BUA= 25335.25 sqm. Part completion received vide OCC/1476/15 Dated 2/2/16. The violation was declared in the 46th meeting of SEAC-III hel
<b>14.LOI / NOC / TOD from MHADA/ Other approvals (If applicable)</b>	Not Applicable
<b>15.Total Plot Area (sq. m.)</b>	10120.00 Sqm
<b>16.Deductions</b>	1679.95 Sqm
<b>17.Net Plot area</b>	8420.05 Sqm
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> 7144.60
	<b>b) Non FSI area (sq. m.):</b> 19915.65
	<b>c) Total BUA area (sq. m.):</b> 27060.25
<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>	2761.78

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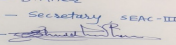
**S.D.Aher (Secretary SEAC-III)**

**SEAC Meeting No: 66 Meeting Date: June 12, 2018**

**Page 1 of 70**

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

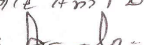
20. Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	32.80 %			
21. Estimated cost of the project	950000000			
<b>22. Number of buildings &amp; its configuration</b>				
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)	
1	Residential & commercial Building	B+G+M+9	33.5	
23. Number of tenants and shops	No. of tenants- 46 Nos No. of shops- 40 Shops & 5 Offices			
24. Number of expected residents / users	Residential User- 230 Commercial User- 530			
25. Tenant density per hectare	751 Nos/Hector			
26. Height of the building(s)				
27. Right of way (Width of the road from the nearest fire station to the proposed building(s))	36 M			
28. Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 M			
29. Existing structure (s) if any	Building is completed as per sanction plan.			
30. Details of the demolition with disposal (If applicable)	No demolition shall be carried out as the construction structure is part of the proposed project.			
<b>31. Production Details</b>				
Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable
<b>32. Total Water Requirement</b>				

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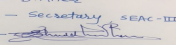
**SEAC Meeting No: 66 Meeting Date: June 12, 2018**

**Page 2 of 70**

Name: K. Anil Kale  
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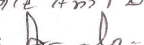
Dry season:	Source of water	PMC							
	Fresh water (CMD):	37.98							
	Recycled water - Flushing (CMD):	24.92							
	Recycled water - Gardening (CMD):	3.60							
	Swimming pool make up (Cum):	Nil							
	Total Water Requirement (CMD) :	66.50							
	Fire fighting - Underground water tank(CMD):	100 Cum							
	Fire fighting - Overhead water tank(CMD):	-							
	Excess treated water	28.09							
Wet season:	Source of water	PMC							
	Fresh water (CMD):	37.98							
	Recycled water - Flushing (CMD):	24.92							
	Recycled water - Gardening (CMD):	0.00							
	Swimming pool make up (Cum):	Nil							
	Total Water Requirement (CMD) :	62.90							
	Fire fighting - Underground water tank(CMD):	100 Cum							
	Fire fighting - Overhead water tank(CMD):	-							
	Excess treated water	31.69							
Details of Swimming pool (If any)	Not Proposed								
<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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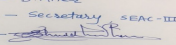
**S.D.Aher (Secretary SEAC-III)**

**SEAC Meeting No: 66 Meeting Date: June 12, 2018**

**Page 3 of 70**

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

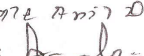
<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	15M BGL
	<b>Size and no of RWH tank(s) and Quantity:</b>	NA
	<b>Location of the RWH tank(s):</b>	Shown on plan
	<b>Quantity of recharge pits:</b>	6 Nos.
	<b>Size of recharge pits :</b>	2 x 2 x 3
	<b>Budgetary allocation (Capital cost) :</b>	Rs. 4.50 Lacs
	<b>Budgetary allocation (O &amp; M cost) :</b>	Rs. 0.5 Lacs
	<b>Details of UGT tanks if any :</b>	Domestic UG tank capacity: 100 Cum Flushing UG tank Capacity: 30 cum Fire UG Tank Capacity: 100 Cum
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	As per contour
	<b>Quantity of storm water:</b>	8.94 Cum/min
	<b>Size of SWD:</b>	200 mm - 450 mm RCC MP2 Pipes
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	56.61 Cum
	<b>STP technology:</b>	Phytorid technology based STP
	<b>Capacity of STP (CMD):</b>	60 KLD- 1 No.
	<b>Location &amp; area of the STP:</b>	Shown on plan
	<b>Budgetary allocation (Capital cost):</b>	Rs. 45 Lacs
	<b>Budgetary allocation (O &amp; M cost):</b>	Rs. 1.50 Lacs
<b>36.Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	Negligible
	<b>Disposal of the construction waste debris:</b>	Excess excavated soil to be dumped at sites mentioned by PMC through its licensed contractors
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	135.05 Kg/day
	<b>Wet waste:</b>	103.25 Kg/day
	<b>Hazardous waste:</b>	Negligible
	<b>Biomedical waste (If applicable):</b>	NIL
	<b>STP Sludge (Dry sludge):</b>	Negligible
	<b>Others if any:</b>	NIL

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

**SEAC Meeting No: 66 Meeting Date: June 12, 2018**

**Page 4 of 70**

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

<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Handed over to authorized agency
	<b>Wet waste:</b>	Composting
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	to be disposed once in three years
	<b>Others if any:</b>	NA
<b>Area requirement:</b>	<b>Location(s):</b>	Shown on plan
	<b>Area for the storage of waste &amp; other material:</b>	30 Sqm
	<b>Area for machinery:</b>	-
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs. 14 Lacs
	<b>O &amp; M cost:</b>	Rs. 4.75 Lacs

### 37. Effluent Characteristics

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

### 38. Hazardous Waste Details

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

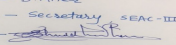
### 39. Stacks emission Details

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

### 40. Details of Fuel to be used

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

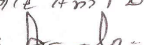
41. Source of Fuel	Not applicable
42. Mode of Transportation of fuel to site	Not applicable

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

**SEAC Meeting No: 66 Meeting Date: June 12, 2018**

**Page 5 of 70**

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

<b>43.Green Belt Development</b>	<b>Total RG area :</b>	844 Sqm
	<b>No of trees to be cut :</b>	Nil
	<b>Number of trees to be planted :</b>	106 Nos.
	<b>List of proposed native trees :</b>	Listed below
	<b>Timeline for completion of plantation :</b>	Before completion of the project

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

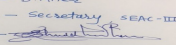
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadirachta indica	Neem	10	This tree with good canopy can tolerate high to very high temperature and has anti-desertification properties and is a good carbon dioxide sink.
2	Mangifera indica	Mango	10	Large evergreen tree with a dense dome-shaped crown attracts and provides nesting for avi fauna.
3	Terminalia paniculata	Kinjal	10	Tree with good canopy, attracting avifauna.
4	Albizia lebbeck	Shrish	10	Medium sized deciduous tree. Beautiful yellow flowers
5	Manilkara zapota	Chikku	10	Fruit trees attracting butterflies/ birds
6	Dalbergia sissoo	Shisam	10	Medium sized tree. Good Shade giving canopy.
7	Nyctanthes arbor-tristis	Parijatak	16	Small deciduous fast growing tree, beautiful flowers.c
8	Citrus sp	Lemon	10	Butterfly host plant
9	Michelia champaca	Chapha	10	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
10	Lagerstroemia flosreginae	Tamhan	10	State flower tree of Maharashtra Medium sized tree, beautiful purple flowers

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

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

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

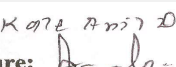

#### 47.Energy

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

**SEAC Meeting No: 66 Meeting Date: June 12, 2018**

**Page 6 of 70**

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>	60 KW
	<b>DG set as Power back-up during construction phase</b>	30 KVA
	<b>During Operation phase (Connected load):</b>	-
	<b>During Operation phase (Demand load):</b>	992.60 KW
	<b>Transformer:</b>	630 KVA- 2 Nos & 315 KVA- 1 No.
	<b>DG set as Power back-up during operation phase:</b>	200 KVA- 1 No.
	<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. Solar Water Heater
2. Solar Street Lights

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

Serial Number	Energy Conservation Measures	Saving %
1	Solar water Heater & solar street Lights	45.42% saving

#### 50. Details of pollution control Systems

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

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs. 13.20 lacs
	<b>O &amp; M cost:</b>	Rs. 0.56 Lacs

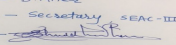
### 51. Environmental Management plan Budgetary Allocation

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

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Site Sanitation	Health & Safety	Rs. 2.44 Lacs
2	Enviro Monitoring	Pollution Control	Rs. 3.16 Lacs
3	Disinfection	Health & safety	Rs. 1.20 Lacs
4	Health & check up of labour	Health & Safety	Rs. 2.90 Lacs

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

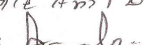
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
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Name - S.D.Aher  
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**S.D.Aher (Secretary SEAC-III)**

**SEAC Meeting No: 66 Meeting Date: June 12, 2018**

**Page 7 of 70**

Name: K. Anil Kale  
Signature: 

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

1	STP	Sewage treatment	Rs. 45.00 Lacs	Rs. 1.50 Lacs
2	RWH	Rainwater harvesting pits	Rs. 4.50 Lacs	Rs. 0.50 Lacs
3	Landscape	Tree Plantation	Rs. 8.50 Lacs	Rs. 2.00 Lacs
4	Solar Water Heater	Non conventional energy	Rs. 3.20 Lacs	Rs. 0.064 Lacs
5	Solar Street Lights	Non conventional Energy	Rs. 10 Lacs	Rs. 0.50 Lacs
6	Solid Wastes	Biodegradable waste Management	Rs.14.0 Lacs	Rs. 4.75 Lacs
7	Enviro Monitoring	Pollution Control	-	Rs. 3.16 Lacs
8	Basement Parking Storm water Pumping	-	Rs. 10.0 Lacs	Rs. 0.20 Lacs

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

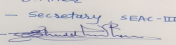
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 52.Any Other Information

No Information Available

### 53.Traffic Management

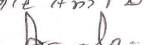
	Nos. of the junction to the main road & design of confluence:	1 no.
Parking details:	Number and area of basement:	1 No. of Basement
	Number and area of podia:	-
	Total Parking area:	16879.0 Sqm
	Area per car:	12.5 Sqm/Car
	Area per car:	12.5 Sqm/Car
	Number of 2-Wheelers as approved by competent authority:	408 Nos
	Number of 4-Wheelers as approved by competent authority:	188 Nos
	Public Transport:	Nil
Width of all Internal roads (m):	9M wide internal Road	

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

**SEAC Meeting No: 66 Meeting Date: June 12, 2018**

**Page 8 of 70**

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



	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	B
	Court cases pending if any	Yes
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	18-07-2017

## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summarised in brief information of Project as below.

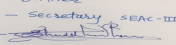
### Brief information of the project by SEAC

Environment Clearance for Building Construction Project at S.No.34/1/4,39/1A+39/2/5/1 Wadgaon (Bk) ,Pune by Grand Horizon by **GrenesiisConstroPvt. Ltd.**

PP submitted their application for Prior Environmental clearance for total plot area of 10120 Sq. Mtrs, BUA of 27060.25 Sq. Mtrs and FSI area of 7144 Sq. Mtrs. PP proposes to construct 1 no. residential and commercial building.

The violation 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.

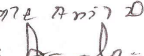
### DECISION OF SEAC

Name - S.D.Aher  
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Sign 

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

**SEAC Meeting No: 66 Meeting Date: June 12, 2018**

**Page 9 of 70**

Name: K. Anil D.  
Signature: 

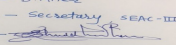
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**After deliberation, Committee Hereby accords approval to the Terms of Reference for proposed 'Construction for undertaking Environment Impact Assessment (EIA) and preparation of Environment Management Plan (EMP) including all above points for further discussion and consideration of SEAC as per MoEF& CC Notification dated 14/03/2017 and 8/03/2018. PP requested for time to submit above information.**

**Specific Conditions by SEAC:**

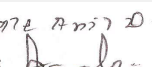

- 1) PP to submit details of treatment /disposal of solid waste as per prevailing norms.
- 2) PP to submit Environmental status report clearly mentioning the mitigation measures undertaken already
- 3) PP to submit ecological damage assessment in terms of embodied energy and global sectors with LCA approach and with applicable coefficient ultimately reporting in terms of cost.
- 4) PP to submit detailed report on CSR activities in consultation with project affected people.
- 5) PP to resubmit traffic impact study.
- 6) PP to submit the Plan showing alignment of storm water drain, the depth along with chambers and final disposal point & section through the internal road. showing place left for planting of trees. Sewage water drain internal road and space left between, building & internal Road.
- 7) PP to submit Side specific EMP giving proper details and required the step taken for corrective action and who will of look after the same.
- 8) PP to submit Socio -economic infrastructure within vicinity land specially existing primary school, market hospital etc.
- 9) PP to submit NOC,s for Water supply, Disposal of solid waste, sewage connection to Municipal sewer pipeline. And CFO NOC.
- 10) PP to submit energy saving calculations.
- 11) PP to submit Fire Tender Movement Plan showing clear road width of 6 meters and turning radius of 9 meters ; PP to submit cross section of roads at four places including UGT , OWC and DG set location showing clear road width 6 meter, 1.5 meter distance left from building line & spaces left for plantation, parking, service lines, foot paths, etc.
- 12) PP to prepare an Ecological report.
- 13) PP to submit Project description, its importance and the benefits.
- 14) PP to submit Project site details (location, top sheet of the study area of 10 km, coordinates, google map, layout map, land use, geological features and geo-hydrological status of the study area, drainage).
- 15) PP to submit Land use as per the approved Master Plan of the area, Permission/approvals required from the land owning agencies, Development Authorities, Local Body, Water Supply & Sewerage Board, etc.
- 16) PP to submit Land acquisition status, R&R details.
- 17) PP to submit Baseline environmental study for ambient air (PM10, PM2.5, SO2, NOx & CO), water (both surface and ground), noise and soil as per MoEF&CC/CPCB guidelines at minimum 5 to 10 locations in the study area.
- 18) PP to submit Details on flora and fauna and socio-economic aspects in the study area
- 19) PP to submit Likely impact of the project on the environmental parameters (ambient air, surface and ground water, land, flora and fauna and socio-economic, etc),
- 20) PP to submit Source of water for different identified purposes with the permissions required from the concerned authorities, both for surface water and the ground water (by CGWA) as the case may be, Rain water harvesting, etc,
- 21) PP to submit Waste water management (treatment, reuse and disposal) for the project and also the study area.
- 22) PP to submit Management of solid waste and the construction & demolition waste for the project vis-à-vis the Solid Waste Management Rules, and the Construction & Demolition Rules.
- 23) PP to submit Energy efficient measures (LED lights, solar power, etc) during construction as well as during operational phase of the project.
- 24) PP to submit Assessment of ecological damage with respect to air, water, land and other environmental attributes. The collection and analysis of data shall be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1986, or an environmental laboratory accredited by NABL, or a laboratory of a Council of Scientific and Industrial Research (CSIR) institution working in the field of environment.
- 25) PP to Submit an EMP comprising remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.
- 26) PP to submit the remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter in the EIA report by the accredited consultants.
- 27) PP to submit details of treatment /disposal of solid waste as per prevailing norms.
- 28) PP to submit Environmental status report clearly mentioning the mitigation measures undertaken already.
- 29) PP to submit ecological damage assessment in terms of embodied energy and global sectors with LCA approach and with applicable coefficient ultimately reporting in terms of cost.
- 30) PP to submit details of CER activities in consultation with the people in the project area as per MoEF& CC circular dated 1/05/2018 if applicable.

**FINAL RECOMMENDATION**

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

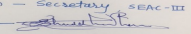
**SEAC Meeting No: 66 Meeting Date: June 12, 2018**

**Page 10 of 70**

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

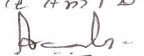
The Committee decided to Grant ToR subject to the above observations,PP requested to prepare and submit EIA report as per EIA Notification, 2006 and amendments thereof.

SEAC-AGENDA-00000000093

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

**SEAC Meeting No: 66 Meeting Date: June 12, 2018**

**Page 11  
of 70**

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

## Agenda for 66 th Meeting of SEAC-3

**SEAC Meeting number: 66 Meeting Date June 12, 2018**

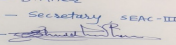
**Subject:** Environment Clearance for proposed construction project by M/s G.K. Associates

**Is a Violation Case:** No

1.Name of Project	Silverland Residency Phase-III
2.Type of institution	Private
3.Name of Project Proponent	Mr. Vinod Chandwani
4.Name of Consultant	M/s JV Analytical Services
5.Type of project	Residential & Commercial
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	S. No. 63/2
9.Taluka	Haveli
10.Village	Ravet
Correspondence Name:	G K Associates, S.No.120/2A, Opposite Shivar Garden, Pimple Saudagar, Pune-411027.
Room Number:	-
Floor:	-
Building Name:	-
Road/Street Name:	-
Locality:	Pimple Saudagar
City:	Pune
11.Area of the project	Pimpri Chinchwad Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Applied
	IOD/IOA/Concession/Plan Approval Number: -
	Approved Built-up Area: 26144.00
13.Note on the initiated work (If applicable)	Not Applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Applicable- 1137.11m2
15.Total Plot Area (sq. m.)	7000.00m2
16.Deductions	1315.8m2
17.Net Plot area	5684.20m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 12018.09m2
	b) Non FSI area (sq. m.): 14125.91m2
	c) Total BUA area (sq. m.): 26144.00
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)	1599.32m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	22.84% of Total plot area (7000.00m2) and 28.13% of Net plot area (5684.20m2)
21.Estimated cost of the project	431000000

### 22.Number of buildings & its configuration

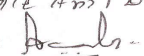
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
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Name - S.D.Aher  
Designation - Secretary SEAC-III  
Sign - 

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

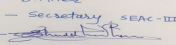
**SEAC Meeting No: 66 Meeting Date: June 12, 2018**

**Page 12  
of 70**

Name: K. Anil D.  
Signature: 

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

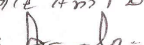
1	Building - A (MHADA+Comm)	G+6	24.35	
2	Building- B	2P+10	35.50	
3	Building - C	2P+10	35.50	
4	Building - D	2P+10	35.50	
<b>23.Number of tenants and shops</b>	Total Tenements - 233Nos. Shops- 04 Nos			
<b>24.Number of expected residents / users</b>	Residential Users -1165Nos. Commercial Users - 62Nos. Total Users -1227Nos.			
<b>25.Tenant density per hectare</b>	332.85			
<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>	18M 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>	9m			
<b>29.Existing structure (s) if any</b>	Not Applicable			
<b>30.Details of the demolition with disposal (If applicable)</b>	Not Applicable			
<b>31.Production Details</b>				
<b>Serial Number</b>	<b>Product</b>	<b>Existing (MT/M)</b>	<b>Proposed (MT/M)</b>	<b>Total (MT/M)</b>
1	Not applicable	Not applicable	Not applicable	Not applicable
<b>32.Total Water Requirement</b>				

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

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

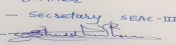
**SEAC Meeting No: 66 Meeting Date: June 12, 2018**

**Page 13 of 70**

Name: K. Anil Kale  
Signature: 

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

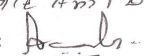
Dry season:	Source of water	PCMC							
	Fresh water (CMD):	168.86 m3/day(One Time)							
	Recycled water - Flushing (CMD):	53.98 m3/day							
	Recycled water - Gardening (CMD):	3.79 m3/day							
	Swimming pool make up (Cum):	NA							
	Total Water Requirement (CMD) :	111.09m3/day							
	Fire fighting - Underground water tank(CMD):	150m3							
	Fire fighting - Overhead water tank(CMD):	70m3							
	Excess treated water	81.04m3/day							
Wet season:	Source of water	PCMC							
	Fresh water (CMD):	165.07m3/day(One Time)							
	Recycled water - Flushing (CMD):	53.98m3/day							
	Recycled water - Gardening (CMD):	NA							
	Swimming pool make up (Cum):	NA							
	Total Water Requirement (CMD) :	111.09m3/day							
	Fire fighting - Underground water tank(CMD):	150m3							
	Fire fighting - Overhead water tank(CMD):	70m3							
	Excess treated water	84.83m3/day							
Details of Swimming pool (If any)	Not Applicable								
<b>33.Details of Total water consumed</b>									
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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

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

**SEAC Meeting No: 66 Meeting Date: June 12, 2018**

**Page 14 of 70**

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

<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	Pre-Monsoon: 15m -20m BGL, Post Monsoon: 5m -10m BGL	
	<b>Size and no of RWH tank(s) and Quantity:</b>	Not Applicable	
	<b>Location of the RWH tank(s):</b>	Not Applicable	
	<b>Quantity of recharge pits:</b>	3 nos	
	<b>Size of recharge pits :</b>	1.50m x 1.50m x 1.50m	
	<b>Budgetary allocation (Capital cost) :</b>	Rs 1.50 Lakh	
	<b>Budgetary allocation (O &amp; M cost) :</b>	Rs.0.75 Lakh/Year	
	<b>Details of UGT tanks if any :</b>	Residential: Domestic UG tank Capacity: 186.00 m3 Flushing tank capacity: 77.00 m3 Fire UG tank Capacity: 150.00 m3 MHADA & Commercial: Domestic UG tank capacity: 22.00 m3 Flushing tank capacity: 10.00 m3	
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	-	
	<b>Quantity of storm water:</b>	2816 m3/ year	
	<b>Size of SWD:</b>	300mm	
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	132.08 m3/day (Residential) + 16.48 m3/day (MHADA & Commercial)=148.56 m3/day	
	<b>STP technology:</b>	MMBR (Moving Media Bioreactor)	
	<b>Capacity of STP (CMD):</b>	135 m3/day- 1 no(Residential) & 20 m3/day-1 no(MHADA & Commercial)	
	<b>Location &amp; area of the STP:</b>	Area = 69.76 m2 (135m3/day), 24m2 (20m3/day)	
	<b>Budgetary allocation (Capital cost):</b>	For 135 m3/day(STP 1)- Rs 34.00 Lakh, For 20 m3/day(STP 2)- Rs16.00 Lakh	
	<b>Budgetary allocation (O &amp; M cost):</b>	For 135m3/daySTP 1)- Rs 11.8 Lakh/Year, For 20m3/day(STP 2)- Rs 5.25 Lakh/Year	
<b>36.Solid waste Management</b>			
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	40kg/day	
	<b>Disposal of the construction waste debris:</b>	Use for Leveling.	
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	242.3 kg/day	
	<b>Wet waste:</b>	355.7 kg/day	
	<b>Hazardous waste:</b>	Not Applicable	
	<b>Biomedical waste (If applicable):</b>	Not Applicable	
	<b>STP Sludge (Dry sludge):</b>	23 Kg/day	
	<b>Others if any:</b>	-	
 <b>S.D.Aher (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 66 Meeting Date: June 12, 2018</b>	<b>Page 15 of 70</b>	<b>Signature:</b>  <b>Shri. Anil Kale (Chairman SEAC-III)</b>

<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	SWaCH
	<b>Wet waste:</b>	Organic Waste Converter
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	Used as manure after treatment in OWC
	<b>Others if any:</b>	-
<b>Area requirement:</b>	<b>Location(s):</b>	-
	<b>Area for the storage of waste &amp; other material:</b>	42.00 m <sup>2</sup>
	<b>Area for machinery:</b>	Included in other material area
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs.14.75 Lakh
	<b>O &amp; M cost:</b>	Rs.3.05 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

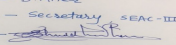
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 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- 125 KVA-1 No.	HSD-21.6 Lits/Hrs.	S-1	4.68 m	To be provided	To be provided

### 40. Details of Fuel to be used

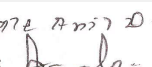

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	Not applicable	21.6 Lits/ Hr	21.6 Lits/Hr
41. Source of Fuel		Bharat Petroleum Corporation Limited/Hindustan Petroleum		
42. Mode of Transportation of fuel to site		By Roadway		

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

**SEAC Meeting No: 66 Meeting Date: June 12, 2018**

**Page 16 of 70**

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



<b>43.Green Belt Development</b>	<b>Total RG area :</b>	631.96m2
	<b>No of trees to be cut :</b>	Not Applicable
	<b>Number of trees to be planted :</b>	87 Nos
	<b>List of proposed native trees :</b>	87 Nos
	<b>Timeline for completion of plantation :</b>	Mid of Construction

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

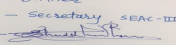
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Mimusop ellengii	Bakul	09	Indigineous species, medium sized, yellow flowering, attract birds.
2	Acrus sapota	Chickoo	10	Fruit tree, seasonal, shady.
3	Michelli champaka	Sonchafa	07	Medium sized, yellow flowering, fragrant, flowers used for worshipment.
4	Bottle palm	Royale Palm	10	Tall growing, Avenue plant.
5	Mangifera indica	Mango Tree	10	Fruit plant, popular fruit, king of fruits, seasonal, shady.
6	Cordia sabistana	Cordia	10	Orange flowering, evergreen foilege, shady.
7	Millintonia hortensis	Booch	13	Indigenous species, white flowering, fragrant, bird attracting, shady.
8	Ficus benamina	Ficus	18	Dense & evergreen foilege, tall growing, shady.

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

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

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

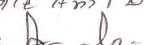
#### 47.Energy

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

**SEAC Meeting No: 66 Meeting Date: June 12, 2018**

**Page 17 of 70**

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

<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	15KW
	<b>DG set as Power back-up during construction phase</b>	40 KVA-1No.
	<b>During Operation phase (Connected load):</b>	718 KW
	<b>During Operation phase (Demand load):</b>	505 KW
	<b>Transformer:</b>	1 nos. x 630 KVA
	<b>DG set as Power back-up during operation phase:</b>	125KVA- 1 No.
	<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:

- Generally we have proposed high efficiency transformer, motors etc. to reduce losses.
- Electronic Ballasts and Energy efficient lamp source either triposphere or LED are proposed for common area & general lighting with automatic time based control to save power by switching ON & OFF the lights at appropriate time. The estimated saving in common lighting consumption is up to 15 % due to adopting above measures.

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

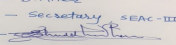
Serial Number	Energy Conservation Measures	Saving %
1	Low power high efficiency CFL/LED lights in Landscapae & Street lights.	2628 KWH/Annum
2	Low power high efficiency CFL/LED lights in Solar Street Lights.	3504 KWH/Annum
3	Low power high efficiency T5/LED lights for Parking & Lobby Area.	14615 KWH/Annum

#### 50. Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air	-	Green belt will be provided.
Water	-	STP will be installed & excess treated water used for flushing & gardening
Noise	-	Noise monitoring will be done in once a fortnight. Traffic management plan to be prepared. Acoustically enclosed DG set will be brought & installed.
Solid Waste	-	Wet Waste will be treated in OWC. STP sludge will be Used as Manure after treatment in OWC Dry Waste will be given to SWACH

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs. 35.00 Lakh
	<b>O &amp; M cost:</b>	Rs. 0.70 Lakh/Year

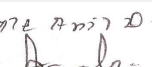

#### 51. Environmental Management plan Budgetary Allocation

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

**SEAC Meeting No: 66 Meeting Date: June 12, 2018**

**Page 18 of 70**

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

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

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

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

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP 1	135m3/day	34.00 Lakh	11.8 Lakh/Year
2	STP 2	20m3/day	16.00 Lakh	5.25 Lakh/Year
3	RWH	-	1.50 Lakh	0.75 Lakh/Year
4	MSW	-	14.75 Lakh	3.05 Lakh/Year
5	Energy System	-	35.00 Lakh	0.70 Lakh/Year
6	Landscaping	-	8.00 Lakh	2.50 Lakh/Year
7	Safety Equipment	-	10.00 Lakh	2.00 Lakh/Year
8	Post EC Monitoring	-	-	2.50 Lakh/Year
9	Dry Waste Management	-	-	0.13 Lakh/Year

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

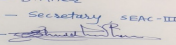
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

**52.Any Other Information**

No Information Available

**53.Traffic Management**

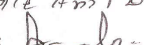
Nos. of the junction to the main road & design of confluence:	-
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Name - S.D.Aher  
Designation - Secretary SEAC-III  
Sign - 

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

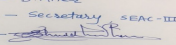
**SEAC Meeting No: 66 Meeting Date: June 12, 2018**

**Page 19 of 70**

Name: K. Anil Kale  
Signature: 

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

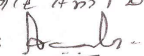
Parking details:	Number and area of basement:	NA
	Number and area of podia:	1 no-4220.93m2
	Total Parking area:	8269.95m2
	Area per car:	67.23m2
	Area per car:	67.23m2
	Number of 2-Wheelers as approved by competent authority:	484
	Number of 4-Wheelers as approved by competent authority:	123
	Public Transport:	NA
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8(a)
	Court cases pending if any	NA
	Other Relevant Informations	-
	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  
 Designation - Secretary SEAC-III  
 Sign 

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

**SEAC Meeting No: 66 Meeting Date: June 12, 2018**

**Page 20 of 70**

Name: K. Anil Kale  
 Signature: 

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

Environment Clearance for proposed construction project Silverland Residency Phase-III at S. No. 63/2 Ravet ,pune by **M/s G.K. Associates.**

PP submitted their application for prior Environmental clearance for total plot area of 7000 Sq. Mtrs, BUA of 26144 Sq. Mtrs and FSI area of 12018.09 Sq. Mtrs. PP proposes to construct 4 no. residential building out of that 1 MHADA & 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

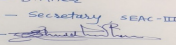
***PP requested for time to submit above information; after deliberations committee asked PP to comply with the above observations and submit information to the committee for further discussion and consideration of SEAC.***

#### Specific Conditions by SEAC:

- 1) PP to submit revised CS considering water requirement for club house.
- 2) PP to submit energy saving calculations/percentage along with terrace plan.
- 3) PP to provide safety railing on podium at STP location.
- 4) PP to submit revised EMP, considering OWC cost.
- 5) PP to submit plan for SWD & also submit NOC for connectivity to Nalla.
- 6) PP to submit Disaster Management Plan with lightening arrestors and costing.
- 7) PP to submit revised dry waste management plan along with classifications.
- 8) PP to submit CER plan if applicable.
- 9) PP to increase number of native tree plant and submit revised tree list.

### FINAL RECOMMENDATION

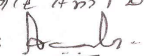
SEAC-III decided to defer the proposal till PP submits the additional information as per above conditions within 30 days

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

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

**SEAC Meeting No: 66 Meeting Date: June 12, 2018**

**Page 21  
of 70**

Name: K. Anil Kale  
Signature: 

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

## Agenda for 66 th Meeting of SEAC-3

**SEAC Meeting number: 66 Meeting Date June 12, 2018**

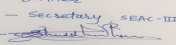
**Subject:** Environment Clearance for proposed construction project by M/s G.K. Associates

**Is a Violation Case:** No

1.Name of Project	Silverland Residency Phase-III
2.Type of institution	Private
3.Name of Project Proponent	Mr. Vinod Chandwani
4.Name of Consultant	M/s JV Analytical Services
5.Type of project	Residential & Commercial
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	S. No. 63/2
9.Taluka	Haveli
10.Village	Ravet
Correspondence Name:	G K Associates, S.No.120/2A, Opposite Shivar Garden, Pimple Saudagar, Pune-411027.
Room Number:	-
Floor:	-
Building Name:	-
Road/Street Name:	-
Locality:	Pimple Saudagar
City:	Pune
11.Area of the project	Pimpri Chinchwad Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Applied
	IOD/IOA/Concession/Plan Approval Number: -
	Approved Built-up Area: 26144.00
13.Note on the initiated work (If applicable)	Not Applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Applicable- 1137.11m <sup>2</sup>
15.Total Plot Area (sq. m.)	7000.00m <sup>2</sup>
16.Deductions	1315.8m <sup>2</sup>
17.Net Plot area	5684.20m <sup>2</sup>
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 12018.09m <sup>2</sup>
	b) Non FSI area (sq. m.): 14125.91m <sup>2</sup>
	c) Total BUA area (sq. m.): 26144.00
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.):
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m <sup>2</sup> )	1599.32m <sup>2</sup>
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	22.84% of Total plot area (7000.00m <sup>2</sup> ) and 28.13% of Net plot area (5684.20m <sup>2</sup> )
21.Estimated cost of the project	431000000

### 22.Number of buildings & its configuration

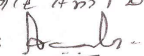
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
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Name - S.D.Aher  
Designation - Secretary SEAC-III  
Sign - 

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

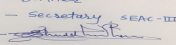
**SEAC Meeting No: 66 Meeting Date: June 12, 2018**

**Page 22  
of 70**

Name: K. Anil D.  
Signature: 

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

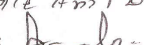
1	Building - A (MHADA+Comm)	G+6	24.35	
2	Building- B	2P+10	35.50	
3	Building - C	2P+10	35.50	
4	Building - D	2P+10	35.50	
<b>23.Number of tenants and shops</b>	Total Tenements - 233Nos. Shops- 04 Nos			
<b>24.Number of expected residents / users</b>	Residential Users -1165Nos. Commercial Users - 62Nos. Total Users -1227Nos.			
<b>25.Tenant density per hectare</b>	332.85			
<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>	18M 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>	9m			
<b>29.Existing structure (s) if any</b>	Not Applicable			
<b>30.Details of the demolition with disposal (If applicable)</b>	Not Applicable			
<b>31.Production Details</b>				
<b>Serial Number</b>	<b>Product</b>	<b>Existing (MT/M)</b>	<b>Proposed (MT/M)</b>	<b>Total (MT/M)</b>
1	Not applicable	Not applicable	Not applicable	Not applicable
<b>32.Total Water Requirement</b>				

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

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

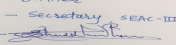
**SEAC Meeting No: 66 Meeting Date: June 12, 2018**

**Page 23 of 70**

Name: K. Anil Kale  
Signature: 

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

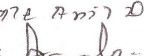

Dry season:	Source of water	PCMC								
	Fresh water (CMD):	168.86 m3/day(One Time)								
	Recycled water - Flushing (CMD):	53.98 m3/day								
	Recycled water - Gardening (CMD):	3.79 m3/day								
	Swimming pool make up (Cum):	NA								
	Total Water Requirement (CMD) :	111.09m3/day								
	Fire fighting - Underground water tank(CMD):	150m3								
	Fire fighting - Overhead water tank(CMD):	70m3								
	Excess treated water	81.04m3/day								
Wet season:	Source of water	PCMC								
	Fresh water (CMD):	165.07m3/day(One Time)								
	Recycled water - Flushing (CMD):	53.98m3/day								
	Recycled water - Gardening (CMD):	NA								
	Swimming pool make up (Cum):	NA								
	Total Water Requirement (CMD) :	111.09m3/day								
	Fire fighting - Underground water tank(CMD):	150m3								
	Fire fighting - Overhead water tank(CMD):	70m3								
	Excess treated water	84.83m3/day								
Details of Swimming pool (If any)	Not Applicable									
<b>33.Details of Total water consumed</b>										
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)			
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total	
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	

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

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

**SEAC Meeting No: 66 Meeting Date: June 12, 2018**

**Page 24 of 70**

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



<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	Pre-Monsoon: 15m -20m BGL, Post Monsoon: 5m -10m BGL	
	<b>Size and no of RWH tank(s) and Quantity:</b>	Not Applicable	
	<b>Location of the RWH tank(s):</b>	Not Applicable	
	<b>Quantity of recharge pits:</b>	3 nos	
	<b>Size of recharge pits :</b>	1.50m x 1.50m x 1.50m	
	<b>Budgetary allocation (Capital cost) :</b>	Rs 1.50 Lakh	
	<b>Budgetary allocation (O &amp; M cost) :</b>	Rs.0.75 Lakh/Year	
	<b>Details of UGT tanks if any :</b>	Residential: Domestic UG tank Capacity: 186.00 m3 Flushing tank capacity: 77.00 m3 Fire UG tank Capacity: 150.00 m3 MHADA & Commercial: Domestic UG tank capacity: 22.00 m3 Flushing tank capacity: 10.00 m3	
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	-	
	<b>Quantity of storm water:</b>	2816 m3/ year	
	<b>Size of SWD:</b>	300mm	
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	132.08 m3/day (Residential) + 16.48 m3/day (MHADA & Commercial)=148.56 m3/day	
	<b>STP technology:</b>	MMBR (Moving Media Bioreactor)	
	<b>Capacity of STP (CMD):</b>	135 m3/day- 1 no(Residential) & 20 m3/day-1 no(MHADA & Commercial)	
	<b>Location &amp; area of the STP:</b>	Area = 69.76 m2 (135m3/day), 24m2 (20m3/day)	
	<b>Budgetary allocation (Capital cost):</b>	For 135 m3/day(STP 1)- Rs 34.00 Lakh, For 20 m3/day(STP 2)- Rs16.00 Lakh	
	<b>Budgetary allocation (O &amp; M cost):</b>	For 135m3/daySTP 1)- Rs 11.8 Lakh/Year, For 20m3/day(STP 2)- Rs 5.25 Lakh/Year	
<b>36.Solid waste Management</b>			
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	40kg/day	
	<b>Disposal of the construction waste debris:</b>	Use for Leveling.	
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	242.3 kg/day	
	<b>Wet waste:</b>	355.7 kg/day	
	<b>Hazardous waste:</b>	Not Applicable	
	<b>Biomedical waste (If applicable):</b>	Not Applicable	
	<b>STP Sludge (Dry sludge):</b>	23 Kg/day	
	<b>Others if any:</b>	-	
 <b>S.D.Aher (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 66 Meeting Date: June 12, 2018</b>	<b>Page 25 of 70</b>	<b>Signature:</b>  <b>Shri. Anil Kale (Chairman SEAC-III)</b>

<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	SWaCH
	<b>Wet waste:</b>	Organic Waste Converter
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	Used as manure after treatment in OWC
	<b>Others if any:</b>	-
<b>Area requirement:</b>	<b>Location(s):</b>	-
	<b>Area for the storage of waste &amp; other material:</b>	42.00 m <sup>2</sup>
	<b>Area for machinery:</b>	Included in other material area
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs.14.75 Lakh
	<b>O &amp; M cost:</b>	Rs.3.05 Lakh/year

### 37.Effluent Charecterestics

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

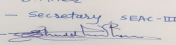
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 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- 125 KVA-1 No.	HSD-21.6 Lits/Hrs.	S-1	4.68 m	To be provided	To be provided

### 40.Details of Fuel to be used

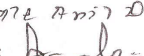
Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	Not applicable	21.6 Lits/ Hr	21.6 Lits/Hr
41.Source of Fuel		Bharat Petroleum Corporation Limited/Hindustan Petroleum		
42.Mode of Transportation of fuel to site		By Roadway		

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

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

**SEAC Meeting No: 66 Meeting Date: June 12, 2018**

**Page 26 of 70**

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

<b>43.Green Belt Development</b>	<b>Total RG area :</b>	631.96m2
	<b>No of trees to be cut :</b>	Not Applicable
	<b>Number of trees to be planted :</b>	87 Nos
	<b>List of proposed native trees :</b>	87 Nos
	<b>Timeline for completion of plantation :</b>	Mid of Construction

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

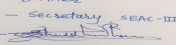
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Mimusop ellengii	Bakul	09	Indigineous species, medium sized, yellow flowering, attract birds.
2	Acrus sapota	Chickoo	10	Fruit tree, seasonal, shady.
3	Michelli champaka	Sonchafa	07	Medium sized, yellow flowering, fragrant, flowers used for worshipment.
4	Bottle palm	Royale Palm	10	Tall growing, Avenue plant.
5	Mangifera indica	Mango Tree	10	Fruit plant, popular fruit, king of fruits, seasonal, shady.
6	Cordia sabistana	Cordia	10	Orange flowering, evergreen foilege, shady.
7	Millintonia hortensis	Booch	13	Indigenous species, white flowering, fragrant, bird attracting, shady.
8	Ficus benamina	Ficus	18	Dense & evergreen foilege, tall growing, shady.

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

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

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

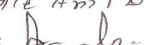
#### 47.Energy

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

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

**SEAC Meeting No: 66 Meeting Date: June 12, 2018**

**Page 27 of 70**

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

<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	15KW
	<b>DG set as Power back-up during construction phase</b>	40 KVA-1No.
	<b>During Operation phase (Connected load):</b>	718 KW
	<b>During Operation phase (Demand load):</b>	505 KW
	<b>Transformer:</b>	1 nos. x 630 KVA
	<b>DG set as Power back-up during operation phase:</b>	125KVA- 1 No.
	<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:

- Generally we have proposed high efficiency transformer, motors etc. to reduce losses.
- Electronic Ballasts and Energy efficient lamp source either triposphere or LED are proposed for common area & general lighting with automatic time based control to save power by switching ON & OFF the lights at appropriate time. The estimated saving in common lighting consumption is up to 15 % due to adopting above measures.

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

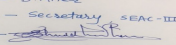
Serial Number	Energy Conservation Measures	Saving %
1	Low power high efficiency CFL/LED lights in Landscapae & Street lights.	2628 KWH/Annum
2	Low power high efficiency CFL/LED lights in Solar Street Lights.	3504 KWH/Annum
3	Low power high efficiency T5/LED lights for Parking & Lobby Area.	14615 KWH/Annum

#### 50. Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air	-	Green belt will be provided.
Water	-	STP will be installed & excess treated water used for flushing & gardening
Noise	-	Noise monitoring will be done in once a fortnight. Traffic management plan to be prepared. Acoustically enclosed DG set will be brought & installed.
Solid Waste	-	Wet Waste will be treated in OWC. STP sludge will be Used as Manure after treatment in OWC Dry Waste will be given to SWACH

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs. 35.00 Lakh
	<b>O &amp; M cost:</b>	Rs. 0.70 Lakh/Year

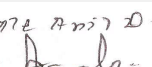

#### 51. Environmental Management plan Budgetary Allocation

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

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

**SEAC Meeting No: 66 Meeting Date: June 12, 2018**

**Page 28 of 70**

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

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

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

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

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP 1	135m3/day	34.00 Lakh	11.8 Lakh/Year
2	STP 2	20m3/day	16.00 Lakh	5.25 Lakh/Year
3	RWH	-	1.50 Lakh	0.75 Lakh/Year
4	MSW	-	14.75 Lakh	3.05 Lakh/Year
5	Energy System	-	35.00 Lakh	0.70 Lakh/Year
6	Landscaping	-	8.00 Lakh	2.50 Lakh/Year
7	Safety Equipment	-	10.00 Lakh	2.00 Lakh/Year
8	Post EC Monitoring	-	-	2.50 Lakh/Year
9	Dry Waste Management	-	-	0.13 Lakh/Year

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

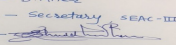
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

**52.Any Other Information**

No Information Available

**53.Traffic Management**

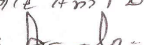
Nos. of the junction to the main road & design of confluence:	-
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Name - S.D.Aher  
Designation - Secretary SEAC-III  
Sign - 

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

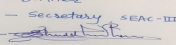
**SEAC Meeting No: 66 Meeting Date: June 12, 2018**

**Page 29 of 70**

Name: K. Anil Kale  
Signature: 

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

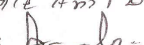
Parking details:	Number and area of basement:	NA
	Number and area of podia:	1 no-4220.93m2
	Total Parking area:	8269.95m2
	Area per car:	67.23m2
	Area per car:	67.23m2
	Number of 2-Wheelers as approved by competent authority:	484
	Number of 4-Wheelers as approved by competent authority:	123
	Public Transport:	NA
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8(a)
	Court cases pending if any	NA
	Other Relevant Informations	-
	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  
 Designation - Secretary SEAC-III  
 Sign 

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

**SEAC Meeting No: 66 Meeting Date: June 12, 2018**

**Page 30 of 70**

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

Environment Clearance for proposed construction project Silverland Residency Phase-III at S. No. 63/2 Ravet ,pune by **M/s G.K. Associates.**

PP submitted their application for prior Environmental clearance for total plot area of 7000 Sq. Mtrs, BUA of 26144 Sq. Mtrs and FSI area of 12018.09 Sq. Mtrs. PP proposes to construct 4 no. residential building out of that 1 MHADA & 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

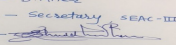
***PP requested for time to submit above information; after deliberations committee asked PP to comply with the above observations and submit information to the committee for further discussion and consideration of SEAC.***

#### Specific Conditions by SEAC:

- 1) PP to submit revised CS considering water requirement for club house.
- 2) PP to submit energy saving calculations/percentage along with terrace plan.
- 3) PP to provide safety railing on podium at STP location.
- 4) PP to submit revised EMP, considering OWC cost.
- 5) PP to submit plan for SWD & also submit NOC for connectivity to Nalla.
- 6) PP to submit Disaster Management Plan with lightening arrestors and costing.
- 7) PP to submit revised dry waste management plan along with classifications.
- 8) PP to submit CER plan if applicable.
- 9) PP to increase number of native tree plant and submit revised tree list.

### FINAL RECOMMENDATION

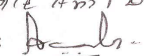
SEAC-III decided to defer the proposal till PP submits the additional information as per above conditions within 30 days

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

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

**SEAC Meeting No: 66 Meeting Date: June 12, 2018**

**Page 31  
of 70**

Name: K. Anil Kale  
Signature: 

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

## Agenda for 66 th Meeting of SEAC-3

**SEAC Meeting number: 66 Meeting Date June 12, 2018**

**Subject:** Environment Clearance for Amendment in environmental clearance for Ganga Fernhill (Previously Ganga Rosewood) at Undri by Meenamani ganga BuilderLLP

**Is a Violation Case:** No

1.Name of Project	Ganga Fernhill
2.Type of institution	Private
3.Name of Project Proponent	Meenamani Ganga Builder LLP
4.Name of Consultant	Pollution and Ecology Control Services
5.Type of project	Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Previous environmental clearance vide no.SEAC-2013/CR360/TC-2 dated 26 december 2014
8.Location of the project	S. No. 23/4/1, Village Undri, Tal. Haveli, Dist. Pune, Maharashtra
9.Taluka	Haveli
10.Village	Undri
Correspondence Name:	Mr. Sagar Kumbhar
Room Number:	NA
Floor:	Ground floor
Building Name:	San Mahu Complex
Road/Street Name:	5 Bund Graden Road
Locality:	Camp
City:	Pune
11.Area of the project	PMC
12.IOD/IOA/Concession/Plan Approval Number	In process
	<b>IOD/IOA/Concession/Plan Approval Number: NA</b>
	<b>Approved Built-up Area: 17168.70</b>
13.Note on the initiated work (If applicable)	Constructed area: 6650.30 sqm. As per sanction plan vide no.BHA of letter No. C/R153/15-16/Mouze Undri S.No./Gat No./CTS Mo. 23/4/1 dated 29/09/2016.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	17500
16.Deductions	5666.95
17.Net Plot area	11833.05
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 22111.65
	b) Non FSI area (sq. m.): 15824.83
	c) Total BUA area (sq. m.): 37936.48
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)	3736.62 sq. m.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	31.58
21.Estimated cost of the project	643100000

## 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: 66 Meeting Date: June 12, 2018</b></p>	<p><b>Page 32 of 70</b></p>	<p>Name: K. Anil Kale Signature: </p> <p><b>Shri. Anil Kale (Chairman SEAC-III)</b></p>
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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A building	G/P +14 (as per previous EC G/P +12)	44.70
2	B Building	G/P + 14 (as per previous EC G/P +12)	44.70
3	C building	G/P +14 (as per previous EC B+P +12)	44.70
4	D building	G//P +14 (as per previous EC B+P +12)	44.70
5	Amenity building (School)	P+5	22.35
6	Club house	G+1 (as per previous EC G +1)	7.0
7	podium slab	G+1	3.50
8	podium slab	G+1	3.50
9	convenient shopping	G+0	4.2

<b>23.Number of tenants and shops</b>	388 + 38 shops (As per previous EC Tenements: 312 and convenient shopping 52)
<b>24.Number of expected residents / users</b>	Residential: 1940 commercial: 395 school: 825
<b>25.Tenant density per hectare</b>	250/hectar
<b>26.Height of the building(s)</b>	
<b>27.Right of way (Width of the road from the nearest fire station to the proposed building(s))</b>	15
<b>28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation</b>	9
<b>29.Existing structure (s) if any</b>	Building A: up to 8th floor, Building B up to 4th floor, Building C: up to ground floor , Building D: Not yet started.
<b>30.Details of the demolition with disposal (If applicable)</b>	Not applicable

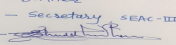
### 31.Production Details

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

<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: 66 Meeting Date: June 12, 2018</b></p>	<p><b>Page 33 of 70</b></p>	<p>Name: K. Anil Kale Signature: </p> <p><b>Shri. Anil Kale (Chairman SEAC-III)</b></p>
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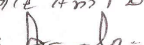
Dry season:	Source of water	PMC							
	Fresh water (CMD):	202							
	Recycled water - Flushing (CMD):	121							
	Recycled water - Gardening (CMD):	12							
	Swimming pool make up (Cum):	NA							
	Total Water Requirement (CMD) :	335							
	Fire fighting - Underground water tank(CMD):	200							
	Fire fighting - Overhead water tank(CMD):	25							
	Excess treated water	169							
Wet season:	Source of water	PMC							
	Fresh water (CMD):	202							
	Recycled water - Flushing (CMD):	121							
	Recycled water - Gardening (CMD):	0							
	Swimming pool make up (Cum):	NA							
	Total Water Requirement (CMD) :	323							
	Fire fighting - Underground water tank(CMD):	200							
	Fire fighting - Overhead water tank(CMD):	25							
	Excess treated water	181							
Details of Swimming pool (If any)	kids pool: 7sqm Water requirment: 4 KL								
<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									
Fresh water requirement	Not applicable	202	202	not applicable	20	20	Not applicable	182	182
Gardening	Not applicable	12	12	Not applicable	12	12	Not applicable	0	0

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

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

**SEAC Meeting No: 66 Meeting Date: June 12, 2018**

**Page 34 of 70**

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>	30 m	
	<b>Size and no of RWH tank(s) and Quantity:</b>	Not applicable	
	<b>Location of the RWH tank(s):</b>	Not applicable	
	<b>Quantity of recharge pits:</b>	11	
	<b>Size of recharge pits :</b>	5 m X 3 m X 2 m	
	<b>Budgetary allocation (Capital cost) :</b>	6.75/- lakhs	
	<b>Budgetary allocation (O &amp; M cost) :</b>	2.53/- lakhs per annum	
	<b>Details of UGT tanks if any :</b>	Domestic UG tank Capacity: 280 KL Treated Water UG tank Capacity: 266 KL Fire UG tank Capacity: 200 KL  School : Domestic UG tank Capacity: 56 KL Treated Water UG tank Capacity: 40 KL Fire UG tank Capacity: 50 KL	
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	As per contour	
	<b>Quantity of storm water:</b>	663.41 m <sup>3</sup> /hr	
	<b>Size of SWD:</b>	300 mm	
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	302 ( Residential + commercial: 266 and for school: 36)	
	<b>STP technology:</b>	MBBR	
	<b>Capacity of STP (CMD):</b>	270 (residential + commercial) + 40 (School)	
	<b>Location &amp; area of the STP:</b>	Please refer layout Area 150 m <sup>2</sup> and 30 m <sup>2</sup>	
	<b>Budgetary allocation (Capital cost):</b>	85 /- lakhs	
	<b>Budgetary allocation (O &amp; M cost):</b>	30 lakhs per annum	
<b>36.Solid waste Management</b>			
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	1 % of raw material	
	<b>Disposal of the construction waste debris:</b>	Land filling on same site	
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	Residential & Commercial: 385 Kg/day and school: 82.5 kg/day	
	<b>Wet waste:</b>	Residential & commercial: 576 Kg/day and school: 42 kg/day	
	<b>Hazardous waste:</b>	Not applicable	
	<b>Biomedical waste (If applicable):</b>	Not applicable as no hospital is proposed	
	<b>STP Sludge (Dry sludge):</b>	35 kg/day	
	<b>Others if any:</b>	Not applicable	
<b>S.D.Aher (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 66 Meeting Date: June 12, 2018</b>	<b>Page 35 of 70</b>	<b>Signature:  Shri. Anil Kale (Chairman SEAC-III)</b>

<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Through authorized vendor
	<b>Wet waste:</b>	Through mechanical composting unit
	<b>Hazardous waste:</b>	Not applicable
	<b>Biomedical waste (If applicable):</b>	Not applicable
	<b>STP Sludge (Dry sludge):</b>	through mechanical composting unit as manure
	<b>Others if any:</b>	Not applicable
<b>Area requirement:</b>	<b>Location(s):</b>	Please refer layout
	<b>Area for the storage of waste &amp; other material:</b>	20
	<b>Area for machinery:</b>	15
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	20.58 lakhs
	<b>O &amp; M cost:</b>	5.4 /- lakhs per annum

### 37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	Not applicable	6 -8.5	7-7.5	7.0- 8.0
2	Total Suspended solids	mg/lit	250	less than or equal to 10	100
3	BOD	mg/lit	<350	less than or equal to 10	30
4	COD	mg/lit	<450	less than or equal to 50	250
5	Oil & grease	mg/lit	<50	ND	10
6	Nitrogen	mg/lit	40-50	less than or equal to 10	Not applicable
7	Phosphate	mg/lit	5-7	less than or equal to 5	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

### 38. Hazardous Waste Details

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

### 39. Stacks emission Details

Name - S.D.Aher Designation - Secretary SEAC-III Sign - 	<b>SEAC Meeting No: 66 Meeting Date: June 12, 2018</b>	Page 36 of 70	Name: K. Anil Kale Signature:  <b>Shri. Anil Kale (Chairman SEAC-III)</b>
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Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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

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

41.Source of Fuel Not applicable

42.Mode of Transportation of fuel to site Not applicable

<b>43.Green Belt Development</b>	<b>Total RG area :</b>	1577.74 sqm
	<b>No of trees to be cut :</b>	Not applicable
	<b>Number of trees to be planted :</b>	Existing -281 and Proposed 54
	<b>List of proposed native trees :</b>	as per the list below
	<b>Timeline for completion of plantation :</b>	2 years

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Saraca indica	Sita Ashok	11	Good for road side plantation
2	Lagerstromia flos reginae	Tamhan	20	Good as avenue tree
3	Khaya grandis	Khaya	11	Good for road side plantation
4	Acrus sapota	Chikoo	06	Fruit bearing tree
5	psidium gujava	Guava	06	Fruit bearing tree

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

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

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

#### 47.Energy

<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: 66 Meeting Date: June 12, 2018</b></p>	<p>Page 37 of 70</p>	<p>Name: K. Anil Kale Signature:  <b>Shri. Anil Kale (Chairman SEAC-III)</b></p>
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<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	75 KW
	<b>DG set as Power back-up during construction phase</b>	82.5 KVA
	<b>During Operation phase (Connected load):</b>	1895 KW
	<b>During Operation phase (Demand load):</b>	1134 KW
	<b>Transformer:</b>	630 KVA X 2
	<b>DG set as Power back-up during operation phase:</b>	180 KVA & 65.5 KVA
	<b>Fuel used:</b>	Diesel
	<b>Details of high tension line passing through the plot if any:</b>	Not applicable

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

- ? Use of LED in Parking area, lift-lobby and stair-case.
- ? Using Solar system in Common Area Lighting (10%). & Street/ Landscape lights with LED lamps.
- ? V3F drive is proposed for all lifts.
- ? As per MSEDCL requirements, it is recommended to use low loss Transformer. Losses for Transformer shall, in principal, comply with ECBC norms.
- ? Recommend to attain power factor of the installation near unity.
- ? Independent Energy meters for all pollution control equipments.
- Annual Savings with energy efficient equipment is 13.6 %

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

Serial Number	Energy Conservation Measures	Saving %
1	Solar PV panels	0.63 %
2	Timer logic Controller	0.98
3	Electronic V3F drive for lift	0.38
4	Solar water heater	11.87

#### 50. Details of pollution control Systems

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

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	76.5 lakhs
	<b>O &amp; M cost:</b>	2.88 lakhs per annum

### 51. Environmental Management plan Budgetary Allocation

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

Name - S.D.Aher Designation - Secretary SEAC-III Sign 	<b>SEAC Meeting No: 66 Meeting Date: June 12, 2018</b>	<b>Page 38 of 70</b>	Name: K. Anil Kale Signature:  <b>Shri. Anil Kale (Chairman SEAC-III)</b>
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Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Erosion control	Dust suppression method	1.44
2	Site safety and sanitation	PEE for labours providing mobile toilets	4.88
3	Disinfection and health check up	health camp	3.2
4	Environmental monitoring	Monitoring of air, noise , analysis of water and soil	1.08

### 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	two stp of 270 and 40 KLD capacity	85	30
2	Solid waste management	OWC	20.58	5.4
3	Storm water network	Internal piping	9.4	1.41
4	Rain water Harvesting	Recharge pits 11	6.75	2.53
5	Landscape	tree plantation	8.13	1.93
6	Energy conservation measures	Solar and PV panels	76.5	2.88
7	to lay pipeing up to final disposal point of drainage	Piping up to final disposal	5.0	0.68
8	Environmental Monitoring	Monitoring and analusis of Air, Noise water and soil	0	1.0
9	Site safety and training	Training to labours and providing PEE	9.00	0
10	Water supply through tanker	tanker cost	0	5.4

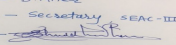
### 51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

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

### 52.Any Other Information

No Information Available

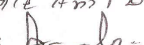
### 53.Traffic Management

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

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

**SEAC Meeting No: 66 Meeting Date: June 12, 2018**

**Page 39 of 70**

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

	Nos. of the junction to the main road & design of confluence:	1
Parking details:	Number and area of basement:	NA
	Number and area of podia:	area of Podium (2)
	Total Parking area:	8459.2
	Area per car:	30
	Area per car:	30
	Number of 2-Wheelers as approved by competent authority:	518
	Number of 4-Wheelers as approved by competent authority:	206
	Public Transport:	NA
	Width of all Internal roads (m):	6 m drive way
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8 (a) B2
	Court cases pending if any	yes
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorisred in brief information of Project as below.

### Brief information of the project by SEAC

<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: 66 Meeting Date: June 12, 2018</b></p>	<p><b>Page 40 of 70</b></p>	<p>Name: K. Anil Kale Signature: </p> <p><b>Shri. Anil Kale (Chairman SEAC-III)</b></p>
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Environment Clearance for Amendment in EC for Ganga Fernhill (Previously Ganga Rosewood) at S. No. 23/4/1, Village Undri, Tal. Haveli, Dist. Pune, by  
**M/s.Meenamaniganga Builder LLP.**

PP submitted their application for Expansion of Environmental clearance for total plot area of 17500Sq. Mtrs, BUA of 37936.48Sq. Mtrs and FSI area of 22111.65Sq. Mtrs. PP proposes to construct 4 no. residential building.

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

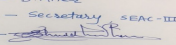
***PP requested for time to submit above information; after deliberations committee asked PP to comply with the above observations and submit information to the committee for further discussion and consideration of SEAC.***

#### Specific Conditions by SEAC:

- 1) PP to submit changes in the configurations explaining details thereof.
- 2) PP to submit CFO NOC.
- 3) PP to submit water supply NOC.
- 4) PP to submit revised parking layout plan.
- 5) PP to provide ramp width and slop as per DC Rules.
- 6) PP to submit fire tender movement plan.
- 7) PP to submit compliances of earlier EC and six monthly reports.
- 8) PP to submit revised debris management plan.
- 9) PP to submit revised EMP.
- 10) PP to submit CER plan if applicable.

### FINAL RECOMMENDATION

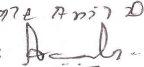
SEAC-III decided to defer the proposal till PP submits the additional information as per above conditions within 30 days

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

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

**SEAC Meeting No: 66 Meeting Date: June 12, 2018**

**Page 41  
of 70**

Name: K. Anil Kale  
Signature: 

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

## Agenda for 66 th Meeting of SEAC-3

**SEAC Meeting number: 66 Meeting Date June 12, 2018**

**Subject:** Environment Clearance for Proposed Residential cum mixed used development

**Is a Violation Case:** No

1.Name of Project	Residential cum mixed used development
2.Type of institution	Private
3.Name of Project Proponent	proposed Residential and commercial development
4.Name of Consultant	ULTRATECH
5.Type of project	Housing
6.New project/expansion in existing project/modernization/diversification in existing project	New
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	1692,F.No.2
9.Taluka	Haveli
10.Village	Bhamburda,
Correspondence Name:	PRA Realty Commercial Development LLP
Room Number:	401
Floor:	NA
Building Name:	Nucleus 1
Road/Street Name:	NA
Locality:	Church Road
City:	Camp Pune
11.Area of the project	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	APPLIED
	IOD/IOA/Concession/Plan Approval Number: C.C.NO.1635/17 D.P.O./Zone No.6 Date - 29/09/17
	Approved Built-up Area: 11790.33
13.Note on the initiated work (If applicable)	No work initiated
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	4067.09m2
16.Deductions	690.21m2
17.Net Plot area	3376.88m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 11,790.33
	b) Non FSI area (sq. m.): 11,319.62
	c) Total BUA area (sq. m.): 23109.95
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)	838.89
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	25
21.Estimated cost of the project	1170000000

## 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: 66 Meeting Date: June 12, 2018</b></p>	<p><b>Page 42 of 70</b></p>	<p>Name: K. Anil D. Signature: </p> <p><b>Shri. Anil Kale (Chairman SEAC-III)</b></p>
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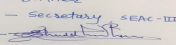
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A residential +Commercial	2B+G+Mezz+1st + 2nd +2P+A9F	69.89 mt
23.Number of tenants and shops	Tenements 76 Nos. shops & offices 10		
24.Number of expected residents / users	Residential: 380 No Floating: 765 No		
25.Tenant density per hectare	250		
26.Height of the building(s)			
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	Turning radius for easy access of fire tender movement from all around the building is 12m.		
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	NA		
30.Details of the demolition with disposal (If applicable)	NA		

### 31.Production Details

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

### 32.Total Water Requirement

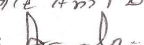
Dry season:	Source of water	PMC
	Fresh water (CMD):	46
	Recycled water - Flushing (CMD):	40
	Recycled water - Gardening (CMD):	3
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	89
	Fire fighting - Underground water tank(CMD):	100
	Fire fighting - Overhead water tank(CMD):	20
	Excess treated water	27

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

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

**SEAC Meeting No: 66 Meeting Date: June 12, 2018**

**Page 43 of 70**

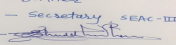
Name: K. Anil Kale  
Signature:   
**Shri. Anil Kale (Chairman SEAC-III)**

<b>Wet season:</b>	<b>Source of water</b>	PMC
	<b>Fresh water (CMD):</b>	46
	<b>Recycled water - Flushing (CMD):</b>	40
	<b>Recycled water - Gardening (CMD):</b>	0
	<b>Swimming pool make up (Cum):</b>	NA
	<b>Total Water Requirement (CMD) :</b>	83
	<b>Fire fighting - Underground water tank(CMD):</b>	100
	<b>Fire fighting - Overhead water tank(CMD):</b>	20
	<b>Excess treated water</b>	30
<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
Water Requirement									
Fresh water requirement	0	46	46	0	4.6	4.6	0	41.6	42
Domestic	0	40	40	0	4.0	4.0	0	36	36
Gardening	0	3	3	0	0	0	0	0	0

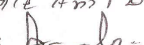
<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	As per hydrogeoreport
	<b>Size and no of RWH tank(s) and Quantity:</b>	NA
	<b>Location of the RWH tank(s):</b>	NA
	<b>Quantity of recharge pits:</b>	1
	<b>Size of recharge pits :</b>	2mx2mx2m
	<b>Budgetary allocation (Capital cost) :</b>	1.15
	<b>Budgetary allocation (O &amp; M cost) :</b>	0.15
	<b>Details of UGT tanks if any :</b>	Firefighting- Underground water tank (CMD):100 Firefighting - Overhead water tank (CMD):20

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

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

**SEAC Meeting No: 66 Meeting Date: June 12, 2018**

**Page 44 of 70**

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

<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	S to N
	<b>Quantity of storm water:</b>	4.45 m3/hr
	<b>Size of SWD:</b>	3000mm

<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	77
	<b>STP technology:</b>	MBBR
	<b>Capacity of STP (CMD):</b>	1 No. of 80 KL
	<b>Location &amp; area of the STP:</b>	As per layout
	<b>Budgetary allocation (Capital cost):</b>	111.85
	<b>Budgetary allocation (O &amp; M cost):</b>	3.04

### 36.Solid waste Management

<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	13/kg/day
	<b>Disposal of the construction waste debris:</b>	Cutting= 12720.90 m3, filling= 1917.51m3 and remaining shortfall to be filled with during construction debris. 10176.72 m3 will be disposed off to authorized site through authorized contractor

<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	190 Kg/day
	<b>Wet waste:</b>	190 Kg/day
	<b>Hazardous waste:</b>	Nil
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	4 Kg/day
	<b>Others if any:</b>	NA

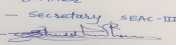
<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Sent to authorized recycler
	<b>Wet waste:</b>	Composting machine
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	Used as manure within the garden premises
	<b>Others if any:</b>	NA

<b>Area requirement:</b>	<b>Location(s):</b>	As per layout
	<b>Area for the storage of waste &amp; other material:</b>	15 m2
	<b>Area for machinery:</b>	17M2

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	9.75
	<b>O &amp; M cost:</b>	2.53

### 37.Effluent Charecterestics

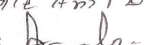
Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
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Name - S.D.Aher  
Designation - Secretary SEAC-III  
Sign - 

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

**SEAC Meeting No: 66 Meeting Date: June 12, 2018**

**Page 45 of 70**

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

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	62.5KVA DG. Set	High Speed Diesel Used, 16.29 Litre /hr @ 100 % Load	1	1550 mm Above Ground Level	350 mm	490 Degree Centigrade
2	500KVA DG. Set	High Speed Diesel Used, 390 Litre /hr @ 100 % Load 1	1	3200 mm Above Ground Level	350 mm	430 Degree Centigrade

### 40.Details of Fuel to be used

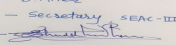
Serial Number	Type of Fuel	Existing	Proposed	Total
1	62.50KVA DG	NA	High Speed Diesel Used	1
2	2000 KVA DG. Set No.-1	NA	High Speed Diesel Used	1

41.Source of Fuel  
Nearby pumps

42.Mode of Transportation of fuel to site  
By road

<b>43.Green Belt Development</b>	<b>Total RG area :</b>	337.70
	<b>No of trees to be cut :</b>	0
	<b>Number of trees to be planted :</b>	45
	<b>List of proposed native trees :</b>	45
	<b>Timeline for completion of plantation :</b>	Till the completion of project

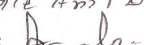
### 44.Number and list of trees species to be planted in the ground

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

**SEAC Meeting No: 66 Meeting Date: June 12, 2018**

**Page 46 of 70**

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Betula Papyrifera	paper birch	19	Evergreen tree
2	Polyalthia longifolia	Ashok	3	Evergreen tree large shady tree
3	Syzium cumini	jambhul	1	Evergreen tree fruit bearing tree
4	Samania saman	Rain tree	3	Evergreen tree large shady tree
5	Roystonea regia	Palm	9	Evergreen tree
6	Caryat urens	coconut	6	Evergreen tree
7	Santalum album	Chandan	2	Evergreen tree
8	Milingtonia hortensis	Buch	2	Flower bearing tree
<b>45.Total quantity of plants on ground</b>				

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

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

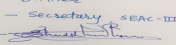
**47.Energy**

<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	62.5 KW
	<b>DG set as Power back-up during construction phase</b>	1 No X 50 KVA
	<b>During Operation phase (Connected load):</b>	1201KW
	<b>During Operation phase (Demand load):</b>	1440KW
	<b>Transformer:</b>	2Nos. X 630 KVA
	<b>DG set as Power back-up during operation phase:</b>	62.5 KVA (1 no.), 160 KVA (1 no.) & 500 KVA (1 no.)
	<b>Fuel used:</b>	HSD
	<b>Details of high tension line passing through the plot if any:</b>	NA

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

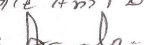
Efficient Wall Construction - U-Value - 0.88 W/sm.K  
 Efficient Roof Construction - U-Value - 0.47 W/sm.K  
 Efficient Glazing - U-Value - 5.0 W/sm.K  
 Reduced LPD - 5.0 W/sm.  
 Reduced External Lighting Load - 30% lesser than Base case.  
 Domestic Hot Water on Solar - 20%  
 Domestic Hot Water on Solar - 20%  
 Renewable energy - 1% of demand load

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

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

**SEAC Meeting No: 66 Meeting Date: June 12, 2018**

**Page 47 of 70**

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

Serial Number	Energy Conservation Measures	Saving %
1	Efficient Wall Construction - U-Value - 0.88 W/sm.K Efficient Roof Construction - U-Value - 0.47 W/sm.K Efficient Glazing - U-Value - 5.0 W/sm.K Reduced LPD - 5.0 W/sm. Reduced External Lighting Load - 30% lesser than Base case. Domestic Hot Water on Solar - 20% Domestic Hot Water on Solar - 20% Renewable energy - 1% of demand load	Reduced Energy Consumption - 716 MWh Reduced EPI - 91.9 KWh/ sm/yr Savings achieved - 2.05%
2	Efficient Wall Construction - U-Value - 0.88 W/sm.K Efficient Roof Construction - U-Value - 0.47 W/sm.K Efficient Glazing - 5.0 W/sm.K Reduced LPD - 7.5 W/sm. Reduced External Lighting Load - 30% lesser than Base case.	Reduced Energy Consumption - 790 MWh Reduced EPI - 123.7 KWh/ sm/yr Savings achieved - 10.33%

### 50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Emission	Not applicable	DG set with stack
Garbage	Not applicable	OWC
Sewage	Not applicable	STP

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	39.90 Lacs
	<b>O &amp; M cost:</b>	1.82 Lacs

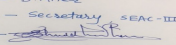
### 51.Environmental Management plan Budgetary Allocation

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

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water For Dust Suppression Air & Noise monitoring	0.96
2	Water Environment	Tanker water for construction Water monitoring	0.96
3	Land Environment	Site Sanitation	0.22
4	Biological Environment	Gardening Transplantation Top soil preservation	0.24
5	Socio- Economic Environment	Disinfection- Pest Control First Aid Facilities Health Check Up Creche for children Personal protective equipment	0.96

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

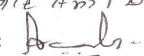
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP	Treatment of waste water	11.85	3.04
2	Rain Water Harvesting	RWH pits	1.15	0.15
3	Environmental Monitoring	Environmental Monitoring	outside lab	5.39
4	Gardening	Tree plantation	11.78	0.45

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

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

**SEAC Meeting No: 66 Meeting Date: June 12, 2018**

**Page 48 of 70**

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



5	Solid Waste	Wet garbage treatment	9.75	2.53
6	Electrical	Solar lighting and water heating	39.80	1.82

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

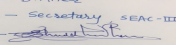
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 52.Any Other Information

No Information Available

### 53.Traffic Management

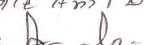
	Nos. of the junction to the main road & design of confluence:	45.00 m. wide D.P. road
Parking details:	Number and area of basement:	2 nos. Area- 3810.04 sqm.
	Number and area of podia:	NA
	Total Parking area:	5875.96m <sup>2</sup>
	Area per car:	12.50
	Area per car:	12.50
	Number of 2-Wheelers as approved by competent authority:	241
	Number of 4-Wheelers as approved by competent authority:	138
	Public Transport:	via bus
	Width of all Internal roads (m):	6m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not any
	Category as per schedule of EIA Notification sheet	8 (a)

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

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

**SEAC Meeting No: 66 Meeting Date: June 12, 2018**

**Page 49  
of 70**

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

	<b>Court cases pending if any</b>	not any
	<b>Other Relevant Informations</b>	not any
	<b>Have you previously submitted Application online on MOEF Website.</b>	No
	<b>Date of online submission</b>	-

## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

### Brief information of the project by SEAC

Environment Clearance for Proposed Residential cum mixed used development at 1692,F.No.2, Bhamburda, tal-Haveli, by **M/s. PRA Realty Commercial Development LLP.**

PP submitted their application for prior Environmental clearance for total plot area of 4067.09 Sq. Mtrs, BUA of 23109.95 Sq. Mtrs and FSI area of 11790.33 Sq. Mtrs. PP proposes to construct 1 no residential & 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

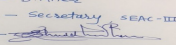
***SEAC decided to recommend the proposal for prior environmental Clearance, subject to PP complying with the following conditions.***

**Specific Conditions by SEAC:**

- 1) PP to submit DG set stack details for proper exhaust.
- 2) PP to provide separate entry & exit for residential & commercial area along with parking statement
- 3) PP to submit fire tender movement plan.
- 4) PP to submit debris management plan.
- 5) PP to submit revised STP design.
- 6) PP to submit revised EMP.

### FINAL RECOMMENDATION

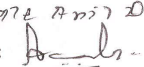
SEAC-III have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions

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

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

**SEAC Meeting No: 66 Meeting Date: June 12, 2018**

**Page 50  
of 70**

Name: K. Anil Kale  
Signature: 

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

## Agenda for 66 th Meeting of SEAC-3

**SEAC Meeting number: 66 Meeting Date June 12, 2018**

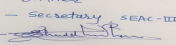
**Subject:** Environment Clearance for proposed construction project by M/s. G.K. Associates

**Is a Violation Case:** No

1.Name of Project	"Rose Aster"
2.Type of institution	Private
3.Name of Project Proponent	Mr.Vinod P. Chandwani
4.Name of Consultant	JV Analytical Services
5.Type of project	Residential & Commercial
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No
8.Location of the project	S.NO.27/1,27/2(P), Punawale, Pune
9.Taluka	Haveli
10.Village	Punawale,
Correspondence Name:	Mr Vinod P Chandwani
Room Number:	-
Floor:	-
Building Name:	-
Road/Street Name:	-
Locality:	Pimple Saudagar
City:	Pune
11.Area of the project	Pimpri Chinchwad Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	In Process
	<b>IOD/IOA/Concession/Plan Approval Number: -</b>
	<b>Approved Built-up Area: 15702.65</b>
13.Note on the initiated work (If applicable)	Not Applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Applicable (1822.47 m2 )
15.Total Plot Area (sq. m.)	11050.00 m2
16.Deductions	1937.91 m2
17.Net Plot area	9112.09 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 19148.49 m2
	b) Non FSI area (sq. m.): 29944.79 m2
	c) Total BUA area (sq. m.): 49093.28
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 10668.35
	Approved Non FSI area (sq. m.): 5034.30
	Date of Approval: 06-03-2018
19.Total ground coverage (m2)	2252.60 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	20.38 % of Total Plot Area(11050.0 m2) 24.72 % of Net Plot Area (9112.09 m2)
21.Estimated cost of the project	900000000

## 22.Number of buildings & its configuration

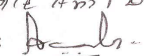
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
---------------	------------------------	------------------	-------------------------------

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

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

**SEAC Meeting No: 66 Meeting Date: June 12, 2018**

**Page 51  
of 70**

Name: K. Anil Kale  
Signature: 

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

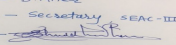
1	Building A	G+M+8FL	29.45
2	Building B	2P+11	37.70
3	Building C	2P+11	37.70
4	Building D	2P+11	37.70
5	Building E	2P+11	37.70
6	Parking Building	P+1	6

<b>23.Number of tenants and shops</b>	Total Tenements: 376 Nos. Commercial Area: 256.95 m2 ( Shop- 8 Nos)
<b>24.Number of expected residents / users</b>	Residential Users: 1880 Nos. Commercial Users: 86 Nos. Total Users: 1966 Nos.
<b>25.Tenant density per hectare</b>	250
<b>26.Height of the building(s)</b>	
<b>27.Right of way (Width of the road from the nearest fire station to the proposed building(s))</b>	18 M wide road
<b>28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation</b>	9.0 M
<b>29.Existing structure (s) if any</b>	Not Applicable
<b>30.Details of the demolition with disposal (If applicable)</b>	Not Applicable

### 31.Production Details

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

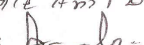
### 32.Total Water Requirement

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

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

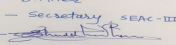
**SEAC Meeting No: 66 Meeting Date: June 12, 2018**

**Page 52 of 70**

Name: K. Anil Kale  
Signature: 

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

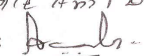
Dry season:	Source of water	PCMC							
	Fresh water (CMD):	263.75 m3/day							
	Recycled water - Flushing (CMD):	92.83 m3/day							
	Recycled water - Gardening (CMD):	6.08 m3/day							
	Swimming pool make up (Cum):	-							
	Total Water Requirement (CMD) :	170.92m3/day							
	Fire fighting - Underground water tank(CMD):	375m3							
	Fire fighting - Overhead water tank(CMD):	100m3							
	Excess treated water	139.07 m3/day							
Wet season:	Source of water	PCMC							
	Fresh water (CMD):	257.67 m3/day							
	Recycled water - Flushing (CMD):	92.83 m3/day							
	Recycled water - Gardening (CMD):	-							
	Swimming pool make up (Cum):	-							
	Total Water Requirement (CMD) :	170.92m3/day							
	Fire fighting - Underground water tank(CMD):	375m3							
	Fire fighting - Overhead water tank(CMD):	100m3							
	Excess treated water	145.15 m3/day							
Details of Swimming pool (If any)	Not Applicable								
<b>33.Details of Total water consumed</b>									
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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

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

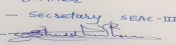
**SEAC Meeting No: 66 Meeting Date: June 12, 2018**

**Page 53 of 70**

Name: K. Anil Kale  
 Signature: 

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

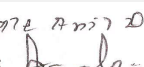

<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	24 M BGL
	<b>Size and no of RWH tank(s) and Quantity:</b>	Not Applicable
	<b>Location of the RWH tank(s):</b>	-
	<b>Quantity of recharge pits:</b>	06 No's.
	<b>Size of recharge pits :</b>	1.5x1.5x1.5 M
	<b>Budgetary allocation (Capital cost) :</b>	Rs. 2.32 Lakh
	<b>Budgetary allocation (O &amp; M cost) :</b>	Rs. 0.39 Lakh/Year.
	<b>Details of UGT tanks if any :</b>	Domestic UG tank Capacity : 255 m3 Flushing UG tank Capacity : 96 m3 Fire UG tank Capacity : 375 m3
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	-
	<b>Quantity of storm water:</b>	508.39 m3/hr
	<b>Size of SWD:</b>	600mm
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	231.90 m3/day
	<b>STP technology:</b>	MBBR
	<b>Capacity of STP (CMD):</b>	215 m3/day & 20 m3/day
	<b>Location &amp; area of the STP:</b>	AREA - 90.65m2 (215 m3/day) & 28m2 (20 m3/day)
	<b>Budgetary allocation (Capital cost):</b>	STP 1- Rs. 58.46 Lakh & STP 2 - Rs. 17.77 Lakh
	<b>Budgetary allocation (O &amp; M cost):</b>	STP 1- Rs. 8.27 Lakh/Year & STP 2 - Rs. 3.78 Lakh/Year
<b>36.Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	30Kg/day
	<b>Disposal of the construction waste debris:</b>	Use for Leveling
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	258.60 kg/day
	<b>Wet waste:</b>	603.40 kg/day
	<b>Hazardous waste:</b>	Not Applicable
	<b>Biomedical waste (If applicable):</b>	Not Applicable
	<b>STP Sludge (Dry sludge):</b>	47 KG/DAY
	<b>Others if any:</b>	-

Name - S.D.Aher  
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Sign - 

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

**SEAC Meeting No: 66 Meeting Date: June 12, 2018**

**Page 54 of 70**

Name:   
Signature: 

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

<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	SWACH
	<b>Wet waste:</b>	Organic Waste Converter
	<b>Hazardous waste:</b>	Not Applicable
	<b>Biomedical waste (If applicable):</b>	Not Applicable
	<b>STP Sludge (Dry sludge):</b>	Used as Manure after Treatment in OWC
	<b>Others if any:</b>	-
<b>Area requirement:</b>	<b>Location(s):</b>	-
	<b>Area for the storage of waste &amp; other material:</b>	51.85 M2
	<b>Area for machinery:</b>	included in other material area
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs. 18.49 Lakh
	<b>O &amp; M cost:</b>	Rs. 2.76 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

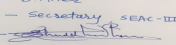
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 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 - 125 KVA-	HSD - 21.6 Lits / Hrs	S-1	4.68	TO BE PROVIDED	TO BE PROVIDED
2	DG set - 82.5 KVA	HSD - 14.3 Lits / Hrs	S-2	4.01	TO BE PROVIDED	TO BE PROVIDED

### 40. Details of Fuel to be used

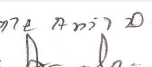

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	Not applicable	21.6 Lits / Hrs	21.6 Lits / Hrs
2	HSD	Not applicable	14.3 Lits / Hrs	14.3 Lits / Hrs

Name - S.D.Aher  
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Sign - 

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

**SEAC Meeting No: 66 Meeting Date: June 12, 2018**

**Page 55 of 70**

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

41.Source of Fuel	Bharat Petroleum corporation limited/Hindustan Petroleum
42.Mode of Transportation of fuel to site	by roadway

<b>43.Green Belt Development</b>	<b>Total RG area :</b>	1013.62 m2
	<b>No of trees to be cut :</b>	-
	<b>Number of trees to be planted :</b>	140
	<b>List of proposed native trees :</b>	140
	<b>Timeline for completion of plantation :</b>	mid of construction

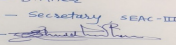
#### 44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Bauhinia Tomentosa	Yellow bauhinia	10	Small tree known to have Antimicrobial activity
2	Gmellina Arborea	White teak	10	Fast Growing deciduous tree
3	Putramnjiva Roxburghii	Putranjiva	10	Evergreen and Ornamental tree with medicinal values
4	Azardiracta Indica	Neem	10	Fast growing used for medicinal purpose and pest control
5	Anthocephalus cadamba	Kadamba	09	It has orange flowers and attracts Bees, butterflies, and Birds
6	Erithrina Indica	Silk Cotton tree	14	Medium sized flowering tree
7	Pongamia glabra	Indian Beech	09	Evergreen and flowering tree and is a spectacular trees
8	Syzygium Cumini	Jamun	05	Fruit bearing tree attracts birds
9	Artocarpus Heterophyllus	Jackfruit	05	Huge fruit bearing tree attracts birds
10	Plumeria Alba	White frangipani	06	Ornamental and flowering tree
11	Bauhinia blakeana	Hong Kong Orchid Tree	09	Evergreen and flowering tree and is a spectacular trees
12	Cassia Fistula	Bahava	10	Ornamental tree with yellow flowers
13	Fishtail Palm	Palm	04	Tall Ornamental plant
14	Nyctanthes Arbor-tristis	Parijatak	08	Ornamental with fragrant flowers attracts birds and butterflies
15	Mangifera Indica	Mango	05	Evergreen with huge canopy and fruit bearing tree
16	Tabubia Rosea	Tabubia	10	Deciduous tree with spreading crown
17	Caryota Urens	Palm	06	Tall Ornamental and flowering tree

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

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

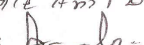
Serial Number	Name	C/C Distance	Area m2
1	-	-	-

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

**SEAC Meeting No: 66 Meeting Date: June 12, 2018**

**Page 56 of 70**

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



## 47. Energy

<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	30 KW
	<b>DG set as Power back-up during construction phase</b>	40 KVA - 1 No
	<b>During Operation phase (Connected load):</b>	1535 KW
	<b>During Operation phase (Demand load):</b>	733 KW
	<b>Transformer:</b>	1 Nos. X 630 KVA & 1 Nos. X 315 KVA
	<b>DG set as Power back-up during operation phase:</b>	125 KVA- 1 No & 82.5 KVA-1 No
	<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:

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

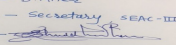
? Electronic Ballasts and Energy efficient lamp source either triposphere or LED are proposed for common area & general lighting with automatic time based control to save power by switching ON & OFF the lights at appropriate time. The estimated saving in common lighting consumption is up to 16 % due to adopting above measures

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

Serial Number	Energy Conservation Measures	Saving %
1	Provision of LED light fitting Provision for common areas ( parking, staircases, plant rooms etc.)	45399 KWH/Year
2	Provision of LED light fitting for landscape areas ( garden & other landscape area .)	1971 KWH/Year
3	Provision of LED lamp for SOLAR Street Light	3679 KWH/Year
4	Provision of LED light fitting Provision for Club House	2365 KWH/Year
5	Energy saving by solar water heater.	657624 KWH/Year

### 50. Details of pollution control Systems

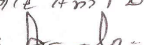
Source	Existing pollution control system	Proposed to be installed
Air	-	Green belt will be provided.
Water	-	STP will be installed & excess treated water used for flushing & gardening
Noise	-	Noise monitoring will be done in once a fortnight. Traffic management plan to be prepared. Acoustically enclosed DG set will be brought & installed.

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

**SEAC Meeting No: 66 Meeting Date: June 12, 2018**

**Page 57  
of 70**

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

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
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Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs 52.00 Lakh
	O & M cost:	Rs 1.10 Lakh/ Year

## 51.Environmental Management plan Budgetary Allocation

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

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

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

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP 1	215 KLD	58.46	8.27
2	STP 2	20KLD	17.77	3.78
3	RWH	-	2.32	0.39
4	MSW	-	18.49	2.76
5	Solar System	-	52.00	1.10
6	Landscaping	-	13.00	1.30
7	Safety Equipments	-	10.00	2.00
8	Post EC Monitoring	-	-	2.50
9	Dry Waste management	-	-	2.23

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

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

## 52.Any Other Information

Name - S.D.Aher Designation - Secretary SEAC-III Sign - 	<b>SEAC Meeting No: 66 Meeting Date: June 12, 2018</b>	<b>Page 58 of 70</b>	Name: K. Anil Kale Signature:  <b>Shri. Anil Kale (Chairman SEAC-III)</b>
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No Information Available

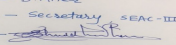
### 53. Traffic Management

	Nos. of the junction to the main road & design of confluence:	-
Parking details:	Number and area of basement:	NA
	Number and area of podia:	-
	Total Parking area:	9586.21 m <sup>2</sup>
	Area per car:	31 m <sup>2</sup>
	Area per car:	31 m <sup>2</sup>
	Number of 2-Wheelers as approved by competent authority:	771
	Number of 4-Wheelers as approved by competent authority:	195
	Public Transport:	NA
	Width of all Internal roads (m):	7.5 m
	CRZ/ RRZ clearance obtain, if any:	No
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	B2
	Court cases pending if any	No
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summarised in brief information of Project as below.

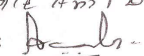
### Brief information of the project by SEAC

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

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

**SEAC Meeting No: 66 Meeting Date: June 12, 2018**

**Page 59 of 70**

Name: K. Anil Kale  
Signature: 

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

Environment Clearance for proposed construction project "Rose Aster" at S.NO.27/1,27/2(P), Punawale, Pune by **M/s. G.K. Associates.**

PP submitted their application for prior Environmental clearance for total plot area of 11050 Sq. Mtrs, BUA of 49093.28 Sq. Mtrs and FSI area of 19148.49 Sq. Mtrs. PP proposes to construct 5 no. residential 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

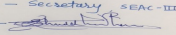
***SEAC decided to recommend the proposal for prior environmental Clearance, subject to PP complying with the above conditions.***

#### Specific Conditions by SEAC:

- 1) PP to submit debris management plan.
- 2) PP to submit sewer line NOC.
- 3) PP to submit water supply undertaking.
- 4) PP to submit cross section through the internal road showing the space left for SWD
- 5) PP to submit revised tree list for plantation with appropriate distance from the compound wall.

### FINAL RECOMMENDATION

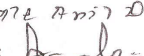
SEAC-III have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions

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

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

**SEAC Meeting No: 66 Meeting Date: June 12, 2018**

**Page 60  
of 70**

Name: K. Anil Kale  
Signature: 

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

## Agenda for 66 th Meeting of SEAC-3

**SEAC Meeting number: 66 Meeting Date June 12, 2018**

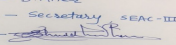
**Subject:** Environment Clearance for Proposed expansion of residential development

**Is a Violation Case:** No

<b>1.Name of Project</b>	Atalante
<b>2.Type of institution</b>	Private
<b>3.Name of Project Proponent</b>	Mr Prasad Tatawar
<b>4.Name of Consultant</b>	ULTRATECH
<b>5.Type of project</b>	Housing
<b>6.New project/expansion in existing project/modernization/diversification in existing project</b>	Expansion
<b>7.If expansion/diversification, whether environmental clearance has been obtained for existing project</b>	Yes we have received previous Environment Clearance No. SEAC III-2013/CR-267/TC-2 dated 31/12/2015
<b>8.Location of the project</b>	S. no.56/2/1+2+3+4 at Village Tathawade
<b>9.Taluka</b>	Mulshi
<b>10.Village</b>	Tathawade
<b>Correspondence Name:</b>	Pyramid Infraventure LLP
<b>Room Number:</b>	105/30
<b>Floor:</b>	NA
<b>Building Name:</b>	Ghagare Residency
<b>Road/Street Name:</b>	Prabhat road
<b>Locality:</b>	Erandwane
<b>City:</b>	Pune
<b>11.Area of the project</b>	PCMC
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	Applied
	<b>IOD/IOA/Concession/Plan Approval Number:</b> Applied
	<b>Approved Built-up Area:</b> 21923.03
<b>13.Note on the initiated work (If applicable)</b>	We have initiated work as per Old Environment Clearance No. SEAC III-2013/CR-267/TC-2 dated 31/12/2015.
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	NA
<b>15.Total Plot Area (sq. m.)</b>	12200
<b>16.Deductions</b>	46.12
<b>17.Net Plot area</b>	12153.88
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> 21922.82
	<b>b) Non FSI area (sq. m.):</b> 25,570.95
	<b>c) Total BUA area (sq. m.):</b> 47493.77
<b>18 (b).Approved Built up area as per DCR</b>	<b>Approved FSI area (sq. m.):</b> 21922.82
	<b>Approved Non FSI area (sq. m.):</b> 25,570.95
	<b>Date of Approval:</b> 04-07-2018
<b>19.Total ground coverage (m2)</b>	2561.67
<b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>	20%
<b>21.Estimated cost of the project</b>	969078998

## 22.Number of buildings & its configuration

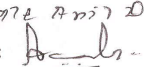
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
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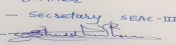
**SEAC Meeting No: 66 Meeting Date: June 12, 2018**

**Page 61  
of 70**

Name: K. Anil Kale  
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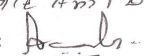
1	A	B+P+21	67.30	
2	B	B+P+21	67.30	
3	C	B+P+21	67.30	
4	Commercial	BELOW A building	NA	
<b>23.Number of tenants and shops</b>	No. of Tenements: 348 Commercial: 1785.4m2			
<b>24.Number of expected residents / users</b>	Residential: 1755 No Floating: 596 No.			
<b>25.Tenant density per hectare</b>	290			
<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>	Turning radius for easy access of fire tender movement from all around the building is 18m.			
<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>	NA			
<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	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: 66 Meeting Date: June 12, 2018**

**Page 62 of 70**

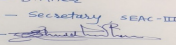
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Dry season:	Source of water	PCMC
	Fresh water (CMD):	169
	Recycled water - Flushing (CMD):	93
	Recycled water - Gardening (CMD):	11
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	273
	Fire fighting - Underground water tank(CMD):	150
	Fire fighting - Overhead water tank(CMD):	75
	Excess treated water	142
Wet season:	Source of water	PCMC
	Fresh water (CMD):	169
	Recycled water - Flushing (CMD):	93
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	262
	Fire fighting - Underground water tank(CMD):	150
	Fire fighting - Overhead water tank(CMD):	75
	Excess treated water	153
Details of Swimming pool (If any)	NA	

### 33.Details of Total water consumed

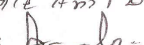
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Water Requirement									
Fresh water requirement	0	169	169	0	17	17	0	153	153
Domestic	0	93	93	0	0	0	0	93	93
Gardening	0	11	11	0	0	0	0	0	0

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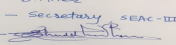
**S.D.Aher (Secretary SEAC-III)**

**SEAC Meeting No: 66 Meeting Date: June 12, 2018**

**Page 63 of 70**

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

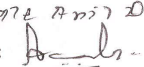
<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	8
	<b>Size and no of RWH tank(s) and Quantity:</b>	NA
	<b>Location of the RWH tank(s):</b>	NA
	<b>Quantity of recharge pits:</b>	8 nos.
	<b>Size of recharge pits :</b>	5mx3mx2m
	<b>Budgetary allocation (Capital cost) :</b>	4.92Lacs
	<b>Budgetary allocation (O &amp; M cost) :</b>	0.6l acs
	<b>Details of UGT tanks if any :</b>	NA
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	S to N
	<b>Quantity of storm water:</b>	454.96 cum/hr
	<b>Size of SWD:</b>	450 mm
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	246
	<b>STP technology:</b>	MBBR
	<b>Capacity of STP (CMD):</b>	260 KL
	<b>Location &amp; area of the STP:</b>	AS PER LAYOUT
	<b>Budgetary allocation (Capital cost):</b>	59.02 LACS
	<b>Budgetary allocation (O &amp; M cost):</b>	9.03 LACS
<b>36.Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	23 KG/DAY
	<b>Disposal of the construction waste debris:</b>	leveling and filling within the project site
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	449 kg/day
	<b>Wet waste:</b>	592 kg/day
	<b>Hazardous waste:</b>	Nil
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	27.5 kg/day
	<b>Others if any:</b>	NA

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

**SEAC Meeting No: 66 Meeting Date: June 12, 2018**

**Page 64 of 70**

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



<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Sent to authorized recycler
	<b>Wet waste:</b>	Composting machine
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	25 kg/day
	<b>Others if any:</b>	NA
<b>Area requirement:</b>	<b>Location(s):</b>	As per layout
	<b>Area for the storage of waste &amp; other material:</b>	15m2
	<b>Area for machinery:</b>	60m2
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	20.25 lacs
	<b>O &amp; M cost:</b>	4.73 lacs

### 37. Effluent Characteristics

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

### 38. Hazardous Waste Details

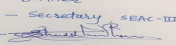
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 39. Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	40KVA DG. Set	100 Liters. ( High Speed Diesel	1	5.26M	2 ½ Inch	50 Deg Centigrade ( +/- 5
2	125KVA DG. Set	230 Liters.	1	6.83M	4 ½ Inch	50 Deg Centigrade ( +/- 5 )

### 40. Details of Fuel to be used

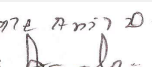

Serial Number	Type of Fuel	Existing	Proposed	Total
1	40 KVA DG.	100 Litres.	100 Litres. (100%)	100 Litres.
2	125 KVA DG. Set No.-1	230 Litres.	140 Litres. (60%)	140 Litres.

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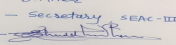
**S.D.Aher (Secretary SEAC-III)**

**SEAC Meeting No: 66 Meeting Date: June 12, 2018**

**Page 65 of 70**

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

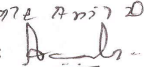
41.Source of Fuel		Nearby pumps		
42.Mode of Transportation of fuel to site		By road		
<b>43.Green Belt Development</b>	<b>Total RG area :</b>	1261.23m2		
	<b>No of trees to be cut :</b>	0		
	<b>Number of trees to be planted :</b>	152		
	<b>List of proposed native trees :</b>	152		
	<b>Timeline for completion of plantation :</b>	Till the completion of project		
<b>44.Number and list of trees species to be planted in the ground</b>				
<b>Serial Number</b>	<b>Name of the plant</b>	<b>Common Name</b>	<b>Quantity</b>	<b>Characteristics &amp; ecological importance</b>
1	Azadiricta indica	Neem	20	Evergreen tree
2	Anthocephallus	kadamb	28	Evergreen tree large shady tree
3	Syzium cumini	jambhul	8	Fruit bearing evergreen tree
4	Mangifera inidica	mango	5	Fruit bearing evergreen tree
5	Michelia champaca	chafa	16	Flower bearing evergreen tree
6	Caryat urens	coconut	11	Evergreen tree
7	Terminial arjuna	bhehda	19	Evergreen tree
8	Milingtonia hortensis	buch	25	Flower bearing tree
<b>45.Total quantity of plants on ground</b>				
<b>46.Number and list of shrubs and bushes species to be planted in the podium RG:</b>				
<b>Serial Number</b>	<b>Name</b>	<b>C/C Distance</b>	<b>Area m2</b>	
1	NA	NA	NA	
<b>47.Energy</b>				

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

**SEAC Meeting No: 66 Meeting Date: June 12, 2018**

**Page 66 of 70**

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

<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL ( State Electricity Board )
	<b>During Construction Phase: (Demand Load)</b>	30 KW
	<b>DG set as Power back-up during construction phase</b>	1 No X 40 KVA
	<b>During Operation phase (Connected load):</b>	1917 KW ( 2130 KVA)
	<b>During Operation phase (Demand load):</b>	1704 KVA.
	<b>Transformer:</b>	22 KV / 630 KVA - 1 No. & 22 KV / 315 KVA - 1 No.
	<b>DG set as Power back-up during operation phase:</b>	For Bldg A,B,C & Project Common Load - 1 No X 125 KVA.
	<b>Fuel used:</b>	HSD
	<b>Details of high tension line passing through the plot if any:</b>	NA

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

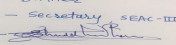
LED Lamp & Fitting For Common Areas i.e. Bldg. Parking, Staircase, Passage & Terrace Floor, Bollard Lighter - Light Fitting For Landscape Area.,  
 Recesses Wall Light. - Light Fitting For Landscape Area.  
 Planter Of Lighter - Light Fitting For Landscape Area.  
 Solar Street Light Fitting - Pole Light On Road Side.  
 Energy Saving by Solar Hot Water System.  
 Street Light on the Bldg.

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

Serial Number	Energy Conservation Measures	Saving %
1	LED Lamp & Fitting For Common Areas i.e. Bldg. Parking, Staircase, Passage & Terrace Floor.	61.22 KWH Per Day
2	Bollard Lighter - Light Fitting For Landscape Area	1.12 KWH Per Day
3	Recesses Wall Light. - Light Fitting For Landscape Area.	1.08 KWH Per Day
4	Planter Of Lighter - Light Fitting For Landscape Area.	79 WH Per Day
5	Solar Street Light Fitting - Pole Light On Road Side.	6.0 KWH Per Day
6	Street Light on the Bldg.	1316.25 KWH Per Day
7	Energy Saving by Solar Hot Water System.	1316.25 KWH Per Day

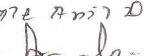
#### 50. Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
waste water	Not applicable	STP
emmission	Not applicable	DG SETS
solid waste	Not applicable	OWC

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 Designation - Secretary SEAC-III  
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**SEAC Meeting No: 66 Meeting Date: June 12, 2018**

**Page 67  
of 70**

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

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	44.889lacs
	<b>O &amp; M cost:</b>	1.4lacs

## 51.Environmental Management plan Budgetary Allocation

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

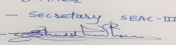
Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water For Dust Suppression Air & Noise monitoring	1.2
2	Water Environment	Tanker water for construction Water monitoring	1.32
3	Land Environment	Site Sanitation	2.87
4	Biological Environment	Gardening Transplantation Top soil preservation	0.40
5	Socio- Economic Environment	Disinfection- Pest Control First Aid Facilities Health Check Up Creche for children Personal protective equipment	7.5

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

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP	Treatment of waste water	59.02	9.03
2	Pumping cost	Pumping of sewage	1.5	0.225
3	Drainage Line Up to Municipal Line	Lay line up to final disposal point	6.5	0.97
4	Storm Line up to Municipal Line	Lay line up to final disposal point	7.5	1.12
5	Rain Water Harvesting	RWH pits	4.95	0.6
6	Environmental Monitoring	Environmental Monitoring	MoEF CC approved laboratory	9.85
7	Gardening	Tree plantation	4.12	2.34
8	Solid Waste	Wet garbage treatment	20.25	3.64
9	Solid Waste	Solar lighting and water heating	44.88	1.4

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

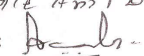
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation

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

**SEAC Meeting No: 66 Meeting Date: June 12, 2018**

**Page 68 of 70**

Name: K. Anil Kale  
Signature: 

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

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

No Information Available

### 53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	18m wide road
Parking details:	Number and area of basement:	3
	Number and area of podia:	1 no area 2792.59 sq.m
	Total Parking area:	4473.25
	Area per car:	30
	Area per car:	30
	Number of 2-Wheelers as approved by competent authority:	782
	Number of 4-Wheelers as approved by competent authority:	189
	Public Transport:	Via PCMC bus
	Width of all Internal roads (m):	6M
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not any
	Category as per schedule of EIA Notification sheet	8 (a)
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorisred in brief information of Project as below.

<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: 66 Meeting Date: June 12, 2018</b></p>	<p><b>Page 69 of 70</b></p>	<p>Name: K. Anil Kale Signature: </p> <p><b>Shri. Anil Kale (Chairman SEAC-III)</b></p>
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## Brief information of the project by SEAC

Environment Clearance for Proposed expansion of residential development at S. no.56/2/1+2+3+4 at Village Tathawade by **M/s. Pyramid Infraventure LLP.**

PP submitted their application for prior Environmental clearance for total plot area of 12200Sq. Mtrs, BUA of 47493.77Sq. Mtrs and FSI area of 21922.82Sq. Mtrs. PP proposes to construct 3 no. residential building. & commercial component below A 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

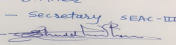
***SEAC decided to recommend the proposal for prior environmental Clearance, subject to PP complying with the above conditions.***

### Specific Conditions by SEAC:

- 1) PP to submit details of socioeconomic infrastructure of project vicinity.
- 2) PP to submit CFO NOC.
- 3) PP to submit revised RG drawing.
- 4) PP to submit revised hydrogeological report.
- 5) PP to include dimensions of STP in drawing.
- 6) PP to make changes in CS.
- 7) In absence of approved plan, the basement parking is approved subject to approved plan of PMC.

## FINAL RECOMMENDATION

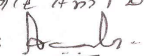
SEAC-III have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions

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Sign - 

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

**SEAC Meeting No: 66 Meeting Date: June 12, 2018**

**Page 70  
of 70**

Name: K. Anil Kale  
Signature: 

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