

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

SEAC Meeting number: 65 Meeting Date May 29, 2018

Subject: Environment Clearance for project by M/s Rose Dream Developers

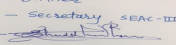
Is a Violation Case: No

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

1.Name of Project	Rose Gardenia
2.Type of institution	Private
3.Name of Project Proponent	Mr. Prakash S. Ratnani
4.Name of Consultant	M/s Saitech Research & Development Organization
5.Type of project	Residential & Commercial
6.New project/expansion in existing project/modernization/diversification in existing project	New
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	S. No.9, Near Lekha Farm, Kiwale
9.Taluka	Haveli
10.Village	Kiwale
11.Area of the project	PCMC
12.IOD/IOA/Concession/Plan Approval Number	Applied
	IOD/IOA/Concession/Plan Approval Number: -
	Approved Built-up Area: 37621.92
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Applicable- 2158.24 m ²
15.Total Plot Area (sq. m.)	12709.00
16.Deductions	1917.82
17.Net Plot area	10791.18
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 21461.85
	b) Non FSI area (sq. m.): 16160.08
	c) Total BUA area (sq. m.): 37621.92
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 ²)	1992.31
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	15.68 % of Total plot area and 18.46 % of Net plot area
21.Estimated cost of the project	765100000

22.Number of buildings & its configuration

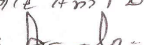
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Wing - A	GP+12	39.95
2	Wing - B	GP+12	39.95
3	Wing - C	P+12	39.95
4	Wing - D	P+12	39.95

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

S.D.Aher (Secretary SEAC-III)

SEAC Meeting No: 65 Meeting Date: May 29, 2018

Page 1 of 62

Name: K. Anil D.
Signature: 

Shri. Anil Kale (Chairman SEAC-III)

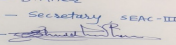
5	Wing - E	P+12	39.95
6	Wing - f	P+12	39.95
23.Number of tenants and shops	Total Tenements - 374 Nos. Shops- 14 Nos.		
24.Number of expected residents / users	Residential Users :1870 Nos., Commercial Users:100 Nos., Total Users :1970 Nos.		
25.Tenant density per hectare	294		
26.Height of the building(s)			
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	12m wide DP road		
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9m		
29.Existing structure (s) if any	Old Existing Security cabin		
30.Details of the demolition with disposal (If applicable)	Old existing security cabin will be demolished & debris will be used for land leveling at site.		

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

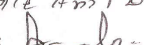
Dry season:	Source of water	PCMC
	Fresh water (CMD):	281.50 (One Time)
	Recycled water - Flushing (CMD):	86.85
	Recycled water - Gardening (CMD):	16.55
	Swimming pool make up (Cum):	8.00
	Total Water Requirement (CMD) :	178.10
	Fire fighting - Underground water tank(CMD):	300.00
	Fire fighting - Overhead water tank(CMD):	120.00
	Excess treated water	133.71

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

SEAC Meeting No: 65 Meeting Date: May 29, 2018

Page 2 of 62

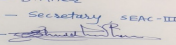
Name: K. Anil Kale
Signature: 
Shri. Anil Kale (Chairman SEAC-III)

Wet season:	Source of water	PCMC
	Fresh water (CMD):	264.95 (One Time)
	Recycled water - Flushing (CMD):	86.85
	Recycled water - Gardening (CMD):	0.00
	Swimming pool make up (Cum):	8.00
	Total Water Requirement (CMD) :	178.10
	Fire fighting - Underground water tank(CMD):	300.00
	Fire fighting - Overhead water tank(CMD):	120.00
	Excess treated water	150.26
Details of Swimming pool (If any)	Dimension of Swimming Pool:Main Pool Size :10.500 M X 7.500M X 1.200M Baby Pool Size :4.500 M X 7.500 M X 0.600 M Total water Requirement in KLD: 114750 Lit. Water requirement in KLD: 1147 Lit/day Details of Plant & Machinery used for treatment of Swimming pool water: Details of quality to be achieved for swimming pool water and parameters to be monitored: Budgetary allocation (Capital cost and O & M cost):Capital Cost : Rs 19.50 Lakh O & M Cost : Rs. 0.18 Lakh /Year	

33.Details of Total water consumed

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

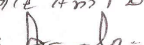
34.Rain Water Harvesting (RWH)	Level of the Ground water table:	Summer Season - 25.00 m. to 30.00 m. BGL.(27.50 m. Average) , Rainy Season - 10.00 m. to 13.75 m. BGL.(11.88 m. Average), Winter Season - 17.50 m. to 21.88 m. BGL.(19.69 m. Average)
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	6 Nos.
	Size of recharge pits :	2.0 m. X 2.0 m. X 1.5 m
	Budgetary allocation (Capital cost) :	Rs 5.00 Lakh
	Budgetary allocation (O & M cost) :	Rs. 0.50 Lakh/Year
	Details of UGT tanks if any :	Domestic UG tank Capacity : 270 m ³ Flushing UG tank Capacity : 85 m ³ Fire UG tank Capacity : 300 m ³

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SEAC Meeting No: 65 Meeting Date: May 29, 2018

Page 3 of 62

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

35.Storm water drainage	Natural water drainage pattern:	-
	Quantity of storm water:	5,534.77 m3/Year
	Size of SWD:	450mm

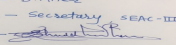
Sewage and Waste water	Sewage generation in KLD:	237.10
	STP technology:	MBBR
	Capacity of STP (CMD):	1 no. of 240 CMD
	Location & area of the STP:	-
	Budgetary allocation (Capital cost):	72.33 Lakh
	Budgetary allocation (O & M cost):	9.21 Lakh/Year

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	Waste generation:	45 kg/day
	Disposal of the construction waste debris:	Use for Leveling.
Waste generation in the operation Phase:	Dry waste:	259.95 kg/day
	Wet waste:	606.55 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	48 kg/day
	Others if any:	NA
Mode of Disposal of waste:	Dry waste:	SWACH
	Wet waste:	Organic waste converter
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as Manure after treatment in OWC
	Others if any:	NA
Area requirement:	Location(s):	-
	Area for the storage of waste & other material:	57.72 m2
	Area for machinery:	2.28 m2
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	18.27 Lakh
	O & M cost:	2.76 Lakh/year

37.Effluent Charecterestics

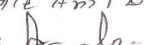
Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
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SEAC Meeting No: 65 Meeting Date: May 29, 2018

Page 4 of 62

Name: **Kale Anil D.**
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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	HSD-29.8 lit./hr.	1	4.5m	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	29.8 lit./hr.	29.8 lit./hr.

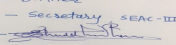
41.Source of Fuel Bharat Petroleum Corporation Limited/Hindustan Petroleum

42.Mode of Transportation of fuel to site By roadway

43.Green Belt Development	Total RG area :	1199.02 m ²
	No of trees to be cut :	-
	Number of trees to be planted :	123
	List of proposed native trees :	-
	Timeline for completion of plantation :	Mid of Construction

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

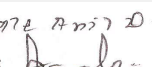

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Cassia fistula	Amaltas	24	Medium sized deciduous tree. A beautiful tree for small gardens, parks and along medium and small roads

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SEAC Meeting No: 65 Meeting Date: May 29, 2018

Page 5 of 62

Name: 
Signature: 
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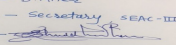
2	Millingtonia hortensis	Akash neem	23	Medium sized evergreen tree planted along the road, attract birds due to its fragrant flowers.
3	Mimusops elengi	Bakul	14	Large sized evergreen tree. The flowers are a key source for some of the nesting space for birds.
4	Neolamarkia kadamb	Kadamba	11	Large sized deciduous tree. It attaches butterflies. The fragrant orange flowers attract pollinators.
5	Albizia lebbeck	Siris	16	Large sized deciduous tree. the tree has graceful appearance and beautiful foliage.
6	Bauhinia variegata	Kachnar	23	Small sized deciduous tree. It is suitable for roadside planting and also used for group planting or as specimen tree in large lawns
7	Thespesia populnea	Portia tree	03	Small sized evergreen tree. It is good shade as well as flowering ornamental trees for planting along road and it private gardens and parks.
8	Putranjiva roxburghii	Putranjiva	09	Medium sized evergreen tree. a good avenue tree for medium sized road also suitable for in growing in gardens and parks in rows for their globular , shining crown.

45.Total quantity of plants on ground

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

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

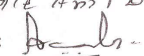
47.Energy

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SEAC Meeting No: 65 Meeting Date: May 29, 2018

Page 6 of 62

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

Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	65 KW
	DG set as Power back-up during construction phase	82.5 KVA-1 No.
	During Operation phase (Connected load):	1871 KW
	During Operation phase (Demand load):	856 KW
	Transformer:	1x630 KVA + 1x315 KVA
	DG set as Power back-up during operation phase:	1 No x 200 KVA
	Fuel used:	29.8 lit./hr
	Details of high tension line passing through the plot if any:	NA

48. Energy saving by non-conventional method:

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

49. Detail calculations & % of saving:

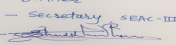
Serial Number	Energy Conservation Measures	Saving %
1	Solar PV Panels	6750 KWH/Annum
2	Timer Logic Controller	47392 KWH/Annum
3	Electronic VVF drive for Lifts	17148 KWH/Annum
4	Solar Water Heater	517824 KWH/Annum

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

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	65.65 Lakh
	O & M cost:	2.22 Lakh/Year

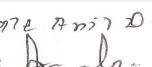

51. Environmental Management plan Budgetary Allocation

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S.D.Aher (Secretary SEAC-III)

SEAC Meeting No: 65 Meeting Date: May 29, 2018

Page 7 of 62

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	1.00 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	-	72.33	9.21
2	RWH	-	5.00	0.50
3	MSW	-	18.27	2.76
4	Energy System	-	65.65	2.22
5	Solar water Heating system	-	46.50	0.74
6	Landscaping	-	255.00	4.42
7	Swimming Pool	-	19.50	0.18
8	Storm Water Pumping	-	8.17	0.81
9	Excess STP Reclaimed water Pumping	-	2.36	0.23
10	Safety Equipment	-	10.00	2.00
11	Post EC Monitoring	-	-	2.50
12	Dry Waste Management	-	-	2.23

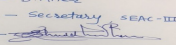
51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)

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

52.Any Other Information

No Information Available

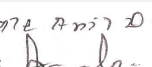

53.Traffic Management

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S.D.Aher (Secretary SEAC-III)

SEAC Meeting No: 65 Meeting Date: May 29, 2018

Page 8 of 62

Name: 
Signature: 

Shri. Anil Kale (Chairman SEAC-III)

	Nos. of the junction to the main road & design of confluence:	-
Parking details:	Number and area of basement:	-
	Number and area of podia:	-
	Total Parking area:	9283.60 m2
	Area per car:	45.28 m2
	Area per car:	45.28 m2
	Number of 2-Wheelers as approved by competent authority:	766
	Number of 4-Wheelers as approved by competent authority:	205
	Public Transport:	NA
	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	NA
	Category as per schedule of EIA Notification sheet	B2
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	09-07-2016

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>S.D.Aher (Secretary SEAC-III)</p>	<p>SEAC Meeting No: 65 Meeting Date: May 29, 2018</p>	<p>Page 9 of 62</p>	<p>Name: K. Anil D. Signature: </p> <p>Shri. Anil Kale (Chairman SEAC-III)</p>
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Proposed Project "Rose Gardenia" at S. No9, Near Lekha Farm, Kiwale, Tehsil - Haveli, Pune..(Compliance case)

PP submitted their application for prior Environmental clearance for total plot area of 12709 Sq. Mtrs, BUA of 37621.92 Sq. Mtrs and FSI area of 21461.85 Sq. Mtrs. PP proposes to construct 6 no. residential building(wings).

The case was earlier considered in 51st meeting dated 26, 28 & 30 July 2016 and committee ask to comply few conditions, Now PP submitted the compliance of 51st meeting.

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 case was earlier considered in 51st meeting of the SEAC - III held from 26th and 28th to 30th July, 2016.

This committee took up the compliance report and other documents submitted by the Project Proponent for examination. The proposal is appraised as category 8 (a) B2.

DECISION OF SEAC

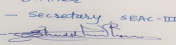
SEAC decided to recommend the proposal for prior environmental Clearance, subject to PP complying with the following conditions.

Specific Conditions by SEAC:

1) PP to submit IOD/IOA/Concession Document/Plan Approval or any other form of documents as applicable clarifying its conformity with local planning rules and provisions there under as per the Circular dated 30.01.2014 issued by the Environment Department, Govt. of Maharashtra.

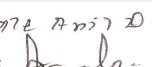

FINAL RECOMMENDATION

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

Name - S.D.Aher
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SEAC Meeting No: 65 Meeting Date: May 29, 2018

**Page 10
of 62**

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

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

SEAC Meeting number: 65 Meeting Date May 29, 2018

Subject: Environment Clearance for Proposed construction of 698 Residential Quarters for S.P. Satara, at Malharpeth (Superintendent of Police Head Quarters) Satara, Dist. Satara.

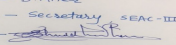
Is a Violation Case: No

1.Name of Project	Proposed construction of 698 Residential Quarters for S.P. Satara, at Malharpeth (Superintendent of Police Head Quarters) Satara, Dist. Satara.
2.Type of institution	Government
3.Name of Project Proponent	Maharashtra State Police Housing and Welfare Corporation Limited. Mumbai
4.Name of Consultant	Fine Envirotech Engineers
5.Type of project	Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	C.S. No. 92/93/182 and Gut No.286/423/284
9.Taluka	Satara
10.Village	NA
Correspondence Name:	Maharashtra State Police Housing and Welfare Corporation Limited. Mumbai
Room Number:	Plot No-89-89A
Floor:	NA
Building Name:	Maharashtra State Police Housing and Welfare Corporation Limited. Mumbai
Road/Street Name:	Sir Pochkhanwala Road
Locality:	Near Police Officers, Mess Worli.
City:	Mumbai
11.Area of the project	Satara Municipal Council, Satara
12.IOD/IOA/Concession/Plan Approval Number	Applied
	IOD/IOA/Concession/Plan Approval Number: Applied
	Approved Built-up Area: 60032.21
13.Note on the initiated work (If applicable)	Not started
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	89603.40 sq.mt
16.Deductions	13074.14 sq.mt.
17.Net Plot area	76529.26 sq.mt.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 60032.21 sq.mt.
	b) Non FSI area (sq. m.):
	c) Total BUA area (sq. m.): 60032.21
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)	6683.08 sq.mt.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	7.45 %
21.Estimated cost of the project	1726600000

22.Number of buildings & its configuration

<p>Name - S.D.Aher Designation - Secretary SEAC-III Sign - </p> <p>S.D.Aher (Secretary SEAC-III)</p>	<p>SEAC Meeting No: 65 Meeting Date: May 29, 2018</p>	<p>Page 11 of 62</p>	<p>Name: K. Anil Kale Signature: </p> <p>Shri. Anil Kale (Chairman SEAC-III)</p>
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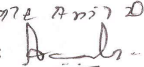
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)	
1	Type -II (12 nos.)	Stilt +7	24	
2	Type -III (2 nos.)	Stilt +3	12	
3	Type -IV (2 nos.)	Ground	4	
4	Multipurpose Hall (1 no.)	Ground +1	12	
5	Reading Room and Library (1 no.)	Ground	5	
6	Site Office (2 nos.)	Ground	4	
23.Number of tenants and shops	Residential Tenements- 698 nos.			
24.Number of expected residents / users	Residents - 3490 nos.			
25.Tenant density per hectare	300 nos.			
26.Height of the building(s)				
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	12 m wide road			
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.00 m Wide.			
29.Existing structure (s) if any	Existing structure - 50 nos. [Plot No. (92, 93 ,182 and 286), Quarters -(74/2, 74/3, 74/4, 74/5, 74/6, 74/7, 74/9, 74/10, 74/11, 74/12, 74/13, 74/14, 74/15, 74/16, 74/17, 74/18, 74/19,74/20, 74/21, 74/22, 74/23, 74/24, 74/25, 74/26, 74/63, 74/72, 74/81), Police Hospital, Mosque, Toilet Blocks, Bomb Shodhak Pathak, Dog Shed, Hanuman Temple, Ganesh Temple, Rest Room, Mess, Store Room, Ajinkyatara Hall, Garbeg Basin, Shed, 15) Multipurpose Hall, Hall, Magazine, Office, OTA, ATM.]			
30.Details of the demolition with disposal (If applicable)	The quantity for dismantling of stone masonry and other structures is 14,700.00Cum.Out of this quantity approx. 4400.00 Cum stone will be reused on site and cost of approx. 5550.00 Cum Stone will be recovered from contractor. Remaining 4750 Cum of debris will be disposed off at authorized locations.			
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
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S.D.Aher (Secretary SEAC-III)

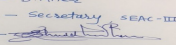
SEAC Meeting No: 65 Meeting Date: May 29, 2018

Page 12 of 62

Name: K. Anil Kale
 Signature: 

Shri. Anil Kale (Chairman SEAC-III)

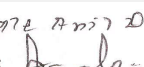

Dry season:	Source of water	Existing Lake (With WTP Plant) and Satara Municipal Council, Satara							
	Fresh water (CMD):	314							
	Recycled water - Flushing (CMD):	157							
	Recycled water - Gardening (CMD):	10							
	Swimming pool make up (Cum):	Nil							
	Total Water Requirement (CMD) :	481							
	Fire fighting - Underground water tank(CMD):	Nil							
	Fire fighting - Overhead water tank(CMD):	Type II (12 No) -300 Cum Type III(2)-100 Cum Multipurpose- 100 Cum Reading room 10 Cum Total -330 Cum							
	Excess treated water	106							
Wet season:	Source of water	Existing Lake (With WTP Plant) and Satara Municipal Council, Satara							
	Fresh water (CMD):	314							
	Recycled water - Flushing (CMD):	157							
	Recycled water - Gardening (CMD):	Nil							
	Swimming pool make up (Cum):	Nil							
	Total Water Requirement (CMD) :	471							
	Fire fighting - Underground water tank(CMD):	Nil							
	Fire fighting - Overhead water tank(CMD):	Type II (12 No) -300 Cum Type III(2)-100 Cum Multipurpose- 100 Cum Reading room 10 Cum Total -330 Cum							
	Excess treated water	116							
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	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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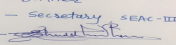
S.D.Aher (Secretary SEAC-III)

SEAC Meeting No: 65 Meeting Date: May 29, 2018

Page 13 of 62

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

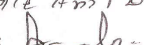
34.Rain Water Harvesting (RWH)	Level of the Ground water table:	35 m
	Size and no of RWH tank(s) and Quantity:	Nil
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	20 nos
	Size of recharge pits :	2m x 2m
	Budgetary allocation (Capital cost) :	15.02 Lakhs
	Budgetary allocation (O & M cost) :	3 Lakhs / year
	Details of UGT tanks if any :	Type II (6 Nos)- 347.5 Cum Type II(6 Nos)-347.5 Cum Type III(2 Nos):- 17 Cum Multipurpose (1 Nos) :-19.4 Cum
35.Storm water drainage	Natural water drainage pattern:	Rectangular
	Quantity of storm water:	177 m ³ /day
	Size of SWD:	600 mm Width Truff Gutter
Sewage and Waste water	Sewage generation in KLD:	377
	STP technology:	Green Sewage Treatment Plant
	Capacity of STP (CMD):	2 STP of total capacity 390 kld (1 no. of STP of capacity 365 kld and 1 no. of STP of capacity 25 kld)
	Location & area of the STP:	Location of STP - Ground and area of STP of capacity 365 kld -480 q.mt. Area of STP of capacity 25 kld - 50 sq.mt.
	Budgetary allocation (Capital cost):	98.95 Lakhs
	Budgetary allocation (O & M cost):	4.1 Lakhs /year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Waste will be generated during excavation and other construction activities
	Disposal of the construction waste debris:	Excavated materials shall be used for backfilling, leveling and remaining will be disposed by handed over to authorized contractor.
Waste generation in the operation Phase:	Dry waste:	698 kg/day
	Wet waste:	1047 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	10 kg
	Others if any:	NA

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

S.D.Aher (Secretary SEAC-III)

SEAC Meeting No: 65 Meeting Date: May 29, 2018

Page 14 of 62

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

Mode of Disposal of waste:	Dry waste:	Dry wastes will be handed over to authorized agency/recycler
	Wet waste:	Wet waste will be processed in the organic waste converter and manure generated shall be used for gardening purposes
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as manure for gardening
	Others if any:	NA
Area requirement:	Location(s):	Ground
	Area for the storage of waste & other material:	464 sq.mt
	Area for machinery:	185 sq.mt
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	23.20 Lakhs
	O & M cost:	3 Lakhs / 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

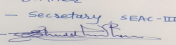
39.Stacks emission Details

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

40.Details of Fuel to be used

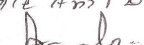
Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable

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

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S.D.Aher (Secretary SEAC-III)

SEAC Meeting No: 65 Meeting Date: May 29, 2018

Name: K. Anil Kale
Signature: 

Shri. Anil Kale (Chairman SEAC-III)

Page 15 of 62

43.Green Belt Development	Total RG area :	2080 sq.mt
	No of trees to be cut :	572 nos.
	Number of trees to be planted :	1500 nos.
	List of proposed native trees :	Karanj, Apta, Kadamb, Bahava, Sita Ashoka, Bakul, Shirish, Neem, Mango, Son Chapa
	Timeline for completion of plantation :	2 Years

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

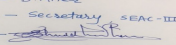
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Pongamia pinnata	Karanj	150 nos.	Shady tree
2	Bauhinia racemosa	Apta	200 nos.	Small tree with small white flowers, Butterfly host plant
3	Anthocephallus cadamba	Kadamb	150 nos.	Shady, large tree with ball shaped flowers
4	Cassia fistula	Bahava	200 nos.	Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plant
5	Saraca asoka	Sita Ashok	200 nos.	Shady tree with red-yellow flowers
6	Mimusops elengi	Bakul	150 nos.	Shady tree, small white fragrant flowers
7	Albizia lebbeck	Shirish	150 nos.	Shady tree, yellowish green fragrant flowers
8	Azadiracta indica	Neem	50 nos.	Large tree, good for roadside plantation
9	Magnifera indica	Mango	70 nos.	Fruits bearing tree
10	Michalia champaca	Son chapa	180 nos.	Medium sized evergreen tree

45.Total quantity of plants on ground

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

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

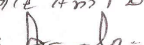
47.Energy

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S.D.Aher (Secretary SEAC-III)

SEAC Meeting No: 65 Meeting Date: May 29, 2018

Page 16 of 62

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

Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	25 KW
	DG set as Power back-up during construction phase	30 KVA
	During Operation phase (Connected load):	1849 KW
	During Operation phase (Demand load):	1294 KVA
	Transformer:	3 nos of 630 KVA and 1 no of 100 KVA
	DG set as Power back-up during operation phase:	2 nos of 140 KVA and 1 no of 82.5 KVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48. Energy saving by non-conventional method:

Energy efficient fixtures with LED's are proposed for parking areas. LED's are proposed for common lobby, lounge, staircase area and general lighting. Automatic time based controls are proposed in Drive-ways of parking to save power by switching on and off the lights at appropriate time. The estimated saving in common area lighting consumption is up to 30% due to adopting above measures. V3F drive motors for lifts which saves 30% energy consumption. Proposed grid solar power system.

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Using LED for parking area, lift lobby, staircase and general lighting	30
2	Proposed V3F drive motors for lifts	30
3	Proposed solar energy for street lighting	50

50. Details of pollution control Systems

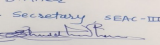
Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	101.29 Lakhs
	O & M cost:	8.58 Lakhs /year

51. Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

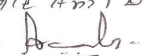
Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Site Safety	Barricading and dust suppression	3

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

SEAC Meeting No: 65 Meeting Date: May 29, 2018

Page 17 of 62

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

2	Sanitary facility and waste water management	Water	5
3	Solid waste management	Solid waste	4
4	Occupation health and safety	Health checkup of workers, disinfection at site, first aid facility, personal protective equipment	5
5	Environmental Monitoring	Air, Noise, Water, Biological	7

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage treatment plant	1 no. of STP of capacity 365 kld and 1 no. of STP of capacity 25 kld	98.95	4.1
2	Rain Water Harvesting System	20 nos. of recharge pits	15.02	3.00
3	Solid Waste Management	OWC, Manpower and colored dustbins	23.20	3
4	Green Belt Development	Landscaping and tree plantation	20	3
5	Energy Saving Measures	LED lights and VVVF drive and Proposed solar energy for street lighting	101.29	8.58

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

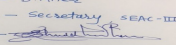
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

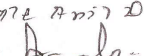
Nos. of the junction to the main road & design of confluence:	4 nos.
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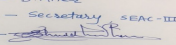
SEAC Meeting No: 65 Meeting Date: May 29, 2018

Page 18 of 62

Name: K. Anil Kale
Signature: 

Shri. Anil Kale (Chairman SEAC-III)

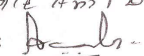
Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	7206.5 sq.mt. (Stilt Parking -6431.00 sq. mt and Open Parking - 775.5 sq.mt)
	Area per car:	Stilt parking:27.25 sq.mt and Open parking : 34 sq.mt
	Area per car:	Stilt parking:27.25 sq.mt and Open parking : 34 sq.mt
	Number of 2-Wheelers as approved by competent authority:	810 nos.
	Number of 4-Wheelers as approved by competent authority:	259 nos.
	Public Transport:	NA
	Width of all Internal roads (m):	12m , 9m, 6m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8 (a) -B2 Category
	Court cases pending if any	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.		
Brief information of the project by SEAC		

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S.D.Aher (Secretary SEAC-III)

SEAC Meeting No: 65 Meeting Date: May 29, 2018

Page 19 of 62

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

Environment Clearance for Proposed construction of 698 Residential Quarters for S.P. Satara, at C.S. No. 92/93/182 and Gut No.286/423/284 Malharpeth (Superintendent of Police Head Quarters) Satara, Dist. Satara.by **Maharashtra State Police Housing and Welfare Corporation Limited. Mumbai.**

PP submitted their application for Expansion of Environmental clearance for total plot area of 89603.40Sq. Mtrs, BUA of 60032.21Sq. Mtrs and FSI area of 600032.21Sq. Mtrs.PP proposes to construct 16 no. residential building and 1 Multipurpose Hall & Reading Room.

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

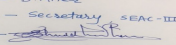
PP proposed BUA for two plots which are not adjoin, committee ask to separate the plots and produce revise layout and change entire Consolidated Statement accordingly.

Committee decided to consider a fresh after submission of correct CS.for further discussion and consideration of SEAC.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

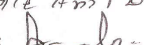
SEAC-III decided to defer the proposal till PP submits the additional information as per above conditions within 30 days

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

SEAC Meeting No: 65 Meeting Date: May 29, 2018

Page 20 of 62

Name: K. Anil Kale
Signature: 

Shri. Anil Kale (Chairman SEAC-III)

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

SEAC Meeting number: 65 Meeting Date May 29, 2018

Subject: Environment Clearance for Amendment and extension in validity of environment clearance Commercial Project and Amendment for change of use of Wing-C & Wing-D

Is a Violation Case: No

1.Name of Project	Phoenix Market city and Fountainhead.
2.Type of institution	Private
3.Name of Project Proponent	M/s Vamona Developers Pvt. Ltd.
4.Name of Consultant	Ultra-Tech
5.Type of project	Commercial Project
6.New project/expansion in existing project/modernization/diversification in existing project	Amendment in existing project and Extension in validity of Environment clearance
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No expansion/diversification is proposed; EC has been obtained dated 30- June -2010 and amendment in EC was issued on 22th March 2013.
8.Location of the project	S. no. 207/1A,207/1B,207/2 of Lohagaon and S.no. 33/2A/2, 33/2B/2 of Wadgaonsheri, Viman Nagar, Nagar Road, Pune 411014
9.Taluka	Haveli
10.Village	Viman Nagar
Correspondence Name:	S. no. 207/1A,207/1B,207/2 of Lohagaon and S.no. 33/2A/2, 33/2B/2 of
Room Number:	--
Floor:	--
Building Name:	--
Road/Street Name:	Nagar Road,
Locality:	Wadgaonsheri, Viman Nagar,
City:	Pune 411014
11.Area of the project	Yes, Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	PMC plan Sanctioned IOD/IOA/Concession/Plan Approval Number: CC/0312/15 dt. 30.04.2015 Approved Built-up Area: 92923.48
13.Note on the initiated work (If applicable)	Work in process as per the EC approved date 30-06-2010 and Amendment in EC approved Dated 22/03/2013
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	79881.00 sqm
16.Deductions	29051.74 sq. mt.
17.Net Plot area	50829.26 sq.mt.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 95923.48 sq.mt. b) Non FSI area (sq. m.): 167228.5 sq.mt. c) Total BUA area (sq. m.): 263151.98
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 95923.48 Approved Non FSI area (sq. m.): 167228.5 Date of Approval: 01-01-1900
19.Total ground coverage (m2)	35276 sq.mt
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	58.8 %
21.Estimated cost of the project	960000000

22.Number of buildings & its configuration

<p>Name - S.D.Aher Designation - Secretary SEAC-III Sign - </p> <p>S.D.Aher (Secretary SEAC-III)</p>	<p>SEAC Meeting No: 65 Meeting Date: May 29, 2018</p>	<p>Page 21 of 62</p>	<p>Name: K. Anil Kale Signature: </p> <p>Shri. Anil Kale (Chairman SEAC-III)</p>
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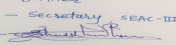
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Mall Building - B Building	1 Basement + G+3 Upper flr	36
2	Residential building D to be amend as office Commercial building	G+16	70
3	Residential Building C to be amend as office Commercial Building C	G+16	70
4	Office Building - Wing E	G+10	50
5	Office and Bazaar building - A Building	2 Basement + G+8 Upper flr	36.00
6	Parking building	G+8	27.20

23.Number of tenants and shops	A Bldg:118 shops and 51 offices, B Bldg : 337 shops, C Wing: 47 nos. office to be (Amended), D Wing: 78 nos. offices to be (Amended) , E wing: 42 offices
24.Number of expected residents / users	38979 Nos. including Floating Population
25.Tenant density per hectare	--
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	Nearest fire station distance 7.0 km, Width of connected road is 60 m on South side and 30 m on East Side Internal road - 12.0 mtr
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	12m
29.Existing structure (s) if any	Yes, Buildings are constructed as per the EC Dt. 30/06/2010, Amendment in EC approved 22/03/2013 and sanctioned plans. User of wing C and wing D will be changed without changing foot print.
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	NA	NA	NA	NA

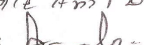
32.Total Water Requirement

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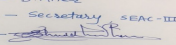
S.D.Aher (Secretary SEAC-III)

SEAC Meeting No: 65 Meeting Date: May 29, 2018

Page 22 of 62

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

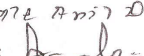
Dry season:	Source of water	PMC/ Tanker water								
	Fresh water (CMD):	577								
	Recycled water - Flushing (CMD):	485								
	Recycled water - Gardening (CMD):	10 + 404 for HVAC								
	Swimming pool make up (Cum):	NA								
	Total Water Requirement (CMD) :	1062								
	Fire fighting - Underground water tank(CMD):	100 x 4 Nos								
	Fire fighting - Overhead water tank(CMD):	25 x 2 Nos. and 20 x 3 Nos								
	Excess treated water	Total recycled water used (recycled water requirement is higher than recycled water generation)								
Wet season:	Source of water	PMC/ Tanker water								
	Fresh water (CMD):	577								
	Recycled water - Flushing (CMD):	485								
	Recycled water - Gardening (CMD):	404 for HVAC								
	Swimming pool make up (Cum):	NA								
	Total Water Requirement (CMD) :	1062								
	Fire fighting - Underground water tank(CMD):	100 x 4 Nos								
	Fire fighting - Overhead water tank(CMD):	25 x 2 Nos. and 20 x 3 Nos								
	Excess treated water	10								
Details of Swimming pool (If any)	NA									
33.Details of Total water consumed										
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)			
Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total	
Domestic	NA	NA	NA	NA	NA	NA	NA	NA	NA	

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 Sign - 

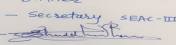
S.D.Aher (Secretary SEAC-III)

SEAC Meeting No: 65 Meeting Date: May 29, 2018

Page 23 of 62

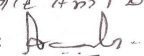
Name: K. Anil Kale
 Signature: 
Shri. Anil Kale (Chairman SEAC-III)

34.Rain Water Harvesting (RWH)	Level of the Ground water table:	4.3 m
	Size and no of RWH tank(s) and Quantity:	2 Tanks of 75 m ³ & 2 Tanks of 30 m ³
	Location of the RWH tank(s):	Basement
	Quantity of recharge pits:	16 Nos
	Size of recharge pits :	3 mtr. Dia & 5 m depth
	Budgetary allocation (Capital cost) :	46 lacs
	Budgetary allocation (O & M cost) :	1 lacs/year
	Details of UGT tanks if any :	320 m ³ , 320m ³ , 120 m ³ ,100 m ³ , 210m ³ , 180m ³ , 210 m ³ , 200 m ³
35.Storm water drainage	Natural water drainage pattern:	North to South
	Quantity of storm water:	The drains are laid along roads and carry the water to the Pune Municipal Corporation SWD. - (945 m ³ /hr)
	Size of SWD:	600 mm
Sewage and Waste water	Sewage generation in KLD:	946 KLD
	STP technology:	Extended Aeration
	Capacity of STP (CMD):	950 KLD
	Location & area of the STP:	Decartelized STP one at WEST and 2nd at EAST
	Budgetary allocation (Capital cost):	40 lacs
	Budgetary allocation (O & M cost):	15 lacs/year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Earth Work is completed no excavation will be takes place
	Disposal of the construction waste debris:	NA
Waste generation in the operation Phase:	Dry waste:	5.84 Ton/day
	Wet waste:	3.89 Ton/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	142 kg/day
	Others if any:	NA

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

SEAC Meeting No: 65 Meeting Date: May 29, 2018

Page 24 of 62

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

Mode of Disposal of waste:	Dry waste:	Dry waste will be sent for recycling to agency SWATCH
	Wet waste:	Wet waste will be converting to composting for by OWC
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	STP sludge sent to SWM site for converting in to compost
	Others if any:	NA
Area requirement:	Location(s):	Near Decentralized STP area
	Area for the storage of waste & other material:	3500 sq ft
	Area for machinery:	1500 sq ft
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	80 lacs
	O & M cost:	5.4 lacs/year

37. Effluent Characteristics

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

38. Hazardous Waste Details

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

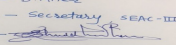
39. Stacks emission Details

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

40. Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel	25 KL	-	25 KL

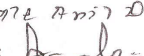
41. Source of Fuel	Authorised Vendor
42. Mode of Transportation of fuel to site	Tanker

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S.D.Aher (Secretary SEAC-III)

SEAC Meeting No: 65 Meeting Date: May 29, 2018

Page 25 of 62

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

43.Green Belt Development	Total RG area :	6155.84 sqm
	No of trees to be cut :	NO
	Number of trees to be planted :	966
	List of proposed native trees :	Supari, Umbar, Tagar, Bamboo
	Timeline for completion of plantation :	Completed

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

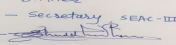
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Saraca asoca	Ashoka	10	Medicinal value, Religious plant
2	Ficus benjamina	Black Ficus	137	Drought tolerant species, Bird attracting species. To control soil erosion
3	Plumeria	Chafa	117	Medicinal value, Fragrant flowers, Butterfly larvae host plant, Bird attracting species, Fast growing
4	Wodyetia bifurcata	Foxtail palm	150	Grown in any type of soil. Very Hardy.Evergreen
5	Duranta erecta	Golden dewdrop	5	Evergreen, Flowering Tree
6	Bahunia racemosa	Apta	17	Every part of the plant is medicinal, Drought tolerant species.
7	Dendrocalamus strictus	Bamboo	453	Ornamental plant, Fast growing
8	Swietenia mahagnoni	Mahogany	10	Tall, Evergreen, Flowering tree
9	Azadirachta indica	Neem	14	Medicinal value, To control soil erosion. To improve soil erosion
10	Ceasalpinia pulcherrima	Shankasur	5	Tall, Evergreen, Flowering tree
11	ARECA CATECHU	Supari	47	PALM VARIETY, FRUIT BEARING
12	Ficus racemosa	Umbar	5	Medicinal value, Edible fruits, Bird attracting species

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	Adenium sp.	2'	97 sq.m
2	Allamanda sp.	1' 6"	97 sq.m
3	Euphorbia caracasana	2'	46 sq m
4	Heliconia sp.	2'	62 sq m
5	Rhapis excelsa	1' 6"	53 sq m
6	Tabernae montana	1'	42 sq m
7	Tecoma gaudichaudi	1'	97 sq m
8	Aralia plant	1' 6"	52 sq m

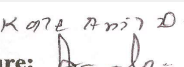

47.Energy

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S.D.Aher (Secretary SEAC-III)

SEAC Meeting No: 65 Meeting Date: May 29, 2018

Page 26 of 62

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

Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	Ongoing construction Construction activity is going on with the existing provided load
	DG set as Power back-up during construction phase	Ongoing construction Construction activity is going on with the existing provided load
	During Operation phase (Connected load):	21600 KW
	During Operation phase (Demand load):	18772 KVA
	Transformer:	2500 KVA x 4 , 2000 KVA x 3, 1600 KVA x 6
	DG set as Power back-up during operation phase:	Building B: 1500 kVA x 3, 2000kVA x , 3Nos. DG set and 200 lit/DG/hr Building A: 1010 kVA x 3, and 200 lit/DG/hr of D.G. sets Further Building C,D and E: 1600 kVA x 6 Nos Diesel Requirement:
	Fuel used:	25 KL (Explosive NOC obtained)
	Details of high tension line passing through the plot if any:	NA

48. Energy saving by non-conventional method:

- 1 Water Pumps (Using BEE certified motors & Variable frequency drive)
- 2 Lifts (Used Synchronizing & variable frequency drives)
- 3 Common Area Lighting (Replacement of CDMT with LED Lights and copper drivers)
- 4 External Lighting (With use of Solar Panels)
- 5 STP (Using BEE certified motors)

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	1 Water Pumps (Using BEE certified motors & Variable frequency drive) 2 Lifts (Used Synchronizing & variable frequency drives) 3 Common Area Lighting (Replacement of CDMT with LED Lights and copper drivers) 4 External Lighting (With use of Solar Panels) 5 STP (Using BEE certified motors)	18%

50. Details of pollution control Systems

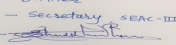
Source	Existing pollution control system	Proposed to be installed
STP	Provided as per Total Requirement	--
OWC	Provided as per Current Requirement	Yes
PLANTATION	Provided as per Current Requirement	Yes

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	152 Lakhs
	O & M cost:	6 Lakhs/yr

51. Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

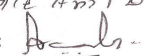
Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
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Name - S.D.Aher
Designation - Secretary SEAC-III
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S.D.Aher (Secretary SEAC-III)

SEAC Meeting No: 65 Meeting Date: May 29, 2018

Page 27 of 62

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

1	PPE, SANITATION	WATER,SAFETY	3	
b) Operation Phase (with Break-up):				
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air, water, Noise, Soil	Post Project Environment Monitoring	--	0.125 lacs/year
2	Water	Rainwater Harvesting	46 lacs	1 lacs/year
3	Wastewater	Sewage Treatment Plant	40 Lacs	15 lacs/year
4	Municipal Solid waste	Solid waste Management	80 Lacs	5.4 lacs/year
5	Plantation	Landscaping	Completed	1 Lacs/yr
6	Energy	Energy Savings	152 Lacs	6 Lacs/yr
7	Basement Ventilation	Basement Ventilation	135 Lacs	639.52Lacs/yr
8	TOTAL	-	453 Lacs	39.52 Lacs/yr

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

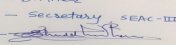
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Diesel	-	West side of plot	25 KL	-	500 Lit per Month	Authorized vendor	Tanker

52.Any Other Information

No Information Available

53.Traffic Management

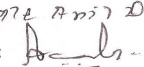
	Nos. of the junction to the main road & design of confluence:	NO
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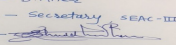
SEAC Meeting No: 65 Meeting Date: May 29, 2018

Page 28 of 62

Name: K. Anil Kale
Signature: 

Shri. Anil Kale (Chairman SEAC-III)

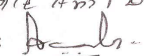
Parking details:	Number and area of basement:	A- Building - 1st basement - 5022 sq.mt+ 2nd basement - 5100 sq.mt B- Building - 1st Basement - 39770 sq.mt
	Number and area of podia:	M.L.C.P Building - 44894 sq. mt
	Total Parking area:	94786.47 sq.mt
	Area per car:	As per PMC norms
	Area per car:	As per PMC norms
	Number of 2-Wheelers as approved by competent authority:	7546 as per PMC norms
	Number of 4-Wheelers as approved by competent authority:	2447 as per PMC norms
	Public Transport:	NA
	Width of all Internal roads (m):	12M
	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	B1
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	09-03-2017
SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS		
Summorisred in brief information of Project as below.		
Brief information of the project by SEAC		

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

SEAC Meeting No: 65 Meeting Date: May 29, 2018

Page 29 of 62

Name: K. Anil Kale
 Signature: 

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Minutes of 57th meeting of SEIAA, Maharashtra held on 7th & 8th March 2013 :

EC was issued to M/s. Vamona Developers Pvt. Limited vide letter No. SEAC-2010/CR.62/TC-2 dated 30.06.2010 for construction of Shopping Mall, Four Star Hotel, Service Apartment, Office Building and Parking Building project at Vimannagar, Pune. The project proponent has vide letter dated 29/01/2013 approached SEIAA for modification of the above EC.

The project proponent explained in today's meeting the grounds for the above changes. They have subsequently submitted a detailed letter. The main points made by them are as follows: (i) Due to change in economic scenario and over supply of hotel rooms in Pune, building of four star hotel and service apartments is not viable. As a result they have decided to take up construction of residential buildings. This involves reduction of the FSI area from 1,12,287 sq.m. to 96,245 sq.m. and total construction from 1,95,245 sq.m. to 1,68,365 sq.m. The reduction is mainly because of lesser FSI available for residential projects compared to hotel projects. (ii) The floor wise changes involved have been detailed in the letter. (iii) The major changes are that instead of the four star hotel (G+16 floors) involving 243 rooms, residential tower (G+16 floors) involving 37 apartments would be built; instead of 93 service apartments (G+16 floors) 31 apartments (G+16 floors) would be built; and the office block will now be of G+10 floors instead of G+14 floors. (iii) There is reduction in respect of almost all the other parameters.

Environment Clearance for Amendment and extension in validity of environment clearance Commercial Project at S. no. 207/1A,207/1B,207/2 of Lohagaon and S.no. 33/2A/2, 33/2B/2 of Wadgaonsheri, Viman Nagar, Nagar Road, Pune by **M/s Vamona Developers Pvt. Ltd.**

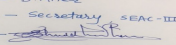
PP submitted their application for Prior Environmental clearance for total plot area of 79881.00 Sq. Mtrs, BUA of 263151.98 Sq. Mtrs and FSI area of 95923.48 Sq. Mtrs.

During discussion PP stated that they are going to change the use from residential to commercial. PP got earlier EC on 30 June 2010 and amended in 22 March 2013. Now proposal under consideration is for change of user from residential to commercial.

Committee suggest conducting the baseline data along with some site specific studies i.e. Carbon footprint study, traffic study, and renewable energy and submit a EIA report accordingly.

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

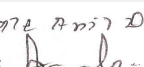

DECISION OF SEAC

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

SEAC Meeting No: 65 Meeting Date: May 29, 2018

Page 30 of 62

Name: 
Signature: 

Shri. Anil Kale (Chairman SEAC-III)

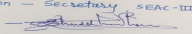
PP requested for time to submit above information; after deliberations committee asked PP to comply with the above observations and submit information to the committee for further discussion and consideration of SEAC.

Specific Conditions by SEAC:

- 2) PP to conduct baseline data with conclusions, along with some site specific studies i.e. Carbon footprint study, traffic study, renewable energy and submit a EIA report
- 3) PP to submit details regarding utilities and submit an affidavit for no change in utilities.
- 4) PP to submit cross section of stack parking.
- 5) PP to explore the possibility of zero liquid discharge.
- 6) PP to submit all revised NOC,s
- 7) PP to submit details of e-waste and submit E-waste NOC.
- 8) PP to submit revised EMP. And EMP should be site specific and executable.
- 9) PP to submit energy saving calculations and plans.
- 10) PP to submit revised list of trees along with photograph.
- 11) PP to strictly follow monitoring matrix given in EMP.
- 12) PP to submit revised parking statement.
- 13) PP to submit revised Disaster Management Plan.
- 14) PP to submit all six monthly compliance reports along with audit report of regional office MoEF Nagpur.
- 15) PP to submit revised report of carbon footprint.
- 16) 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

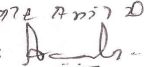
SEAC-III decided to defer the proposal till PP submits the additional information as per above conditions within 30 days

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

SEAC Meeting No: 65 Meeting Date: May 29, 2018

Page 31 of 62

Name: K. Anil Kale
Signature: 

Shri. Anil Kale (Chairman SEAC-III)

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

SEAC Meeting number: 65 Meeting Date May 29, 2018

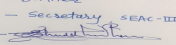
Subject: Environment Clearance for Submission of Application for Environmental Clearance for "Triveni Dham" by Sai Balaji Group Gat No. 517P, 525P, 516P, 515P, 513P at Tulapur, Tal: Haveli, Pune-412207

Is a Violation Case: No

1.Name of Project	Triveni Dham
2.Type of institution	Private
3.Name of Project Proponent	Mr. Ram Agrawal
4.Name of Consultant	ABC Technolabs Pvt. Ltd.
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	Gat No. 517P, 525P, 516P, 515P, 513P, At. Post - Tulapur, Tal. Haveli. Dist-Pune - 412305
9.Taluka	Haveli
10.Village	Tulapur
11.Area of the project	PMRDA
12.IOD/IOA/Concession/Plan Approval Number	Applied
	IOD/IOA/Concession/Plan Approval Number: Applied
	Approved Built-up Area: 30671.38
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	16850 sqm.
16.Deductions	3142.21 sqm.
17.Net Plot area	13707.79 sqm.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 17946.20 sqm.
	b) Non FSI area (sq. m.): 12725.18
	c) Total BUA area (sq. m.): 30671.38
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)	3873.14 sqm.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	22.98 % of total plot area
21.Estimated cost of the project	382923825

22.Number of buildings & its configuration

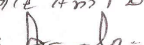
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A1	P+10	31.50
2	A2	P+10	31.50
3	B1	P+9	28.65
4	B2	P+9	28.65
5	B3	P+9	28.65

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

SEAC Meeting No: 65 Meeting Date: May 29, 2018

**Page 32
of 62**

Name: K. Anil Kale
Signature: 

Shri. Anil Kale (Chairman SEAC-III)

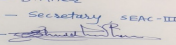
6	B4	P+9	28.65
7	Club House	G+1	7.80
23.Number of tenants and shops	442		
24.Number of expected residents / users	2210		
25.Tenant density per hectare	250		
26.Height of the building(s)			
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	12 m		
28.Turning 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	Yes		
30.Details of the demolition with disposal (If applicable)	NA		

31.Production Details

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

32.Total Water Requirement

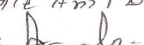
Dry season:	Source of water	GramPanchayat/Recycled water from STP
	Fresh water (CMD):	200
	Recycled water - Flushing (CMD):	101
	Recycled water - Gardening (CMD):	8
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD):	309
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	150
	Excess treated water	161

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S.D.Aher (Secretary SEAC-III)

SEAC Meeting No: 65 Meeting Date: May 29, 2018

Page 33 of 62

Name: K. Anil D.
Signature: 

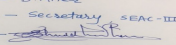
Shri. Anil Kale (Chairman SEAC-III)

Wet season:	Source of water	GramPanchayat/Recycled water from STP
	Fresh water (CMD):	200
	Recycled water - Flushing (CMD):	101
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	301
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	150
	Excess treated water	169
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	NA	200	200	NA	NA	NA	NA	NA	NA
Gardening	NA	8	8	NA	NA	NA	NA	NA	NA
Domestic	NA	301	301	NA	21	21	NA	280	280

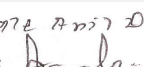

34.Rain Water Harvesting (RWH)	Level of the Ground water table:	22 m below ground level
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	12
	Size of recharge pits :	1.5 X 1.5 X 1.5 M
	Budgetary allocation (Capital cost) :	4.63 Lakh
	Budgetary allocation (O & M cost) :	0.39 Lakh/year
	Details of UGT tanks if any :	Domestic : 218 CuM Drinking : 83 CuM Fire : 300 CuM Flushing : 147 CuM

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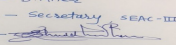
S.D.Aher (Secretary SEAC-III)

SEAC Meeting No: 65 Meeting Date: May 29, 2018

Page 34 of 62

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

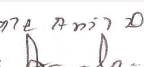

35.Storm water drainage	Natural water drainage pattern:	Through Gravity, Direction of Flow - NE to SW
	Quantity of storm water:	0.2895 m3/sec
	Size of SWD:	450 x 300 mm wide trench
Sewage and Waste water	Sewage generation in KLD:	280 m3/day
	STP technology:	MBBR
	Capacity of STP (CMD):	1 Nos. - 308 m3/day
	Location & area of the STP:	Locations are as per master layout ; 160.00 sqm
	Budgetary allocation (Capital cost):	58.50 Lakh
	Budgetary allocation (O & M cost):	4.86 Lakh/year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	20.00 kg/day
	Disposal of the construction waste debris:	Excavated earth material will be used for filling of plinth area & top soil for Landscaping
Waste generation in the operation Phase:	Dry waste:	442 Kg/day
	Wet waste:	663 Kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	67.2 Kg/day
	Others if any:	NA
Mode of Disposal of waste:	Dry waste:	Grampanchayat
	Wet waste:	Through Mechanical Composter (Smart OWC)
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be used as manure for Landscaping
	Others if any:	NA
Area requirement:	Location(s):	Locations are as per master layout
	Area for the storage of waste & other material:	15 sqm
	Area for machinery:	60 sqm
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	20.25 Lakh
	O & M cost:	4.79 Lakh/year
37.Effluent Charecterestics		

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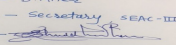
S.D.Aher (Secretary SEAC-III)

SEAC Meeting No: 65 Meeting Date: May 29, 2018

Page 35 of 62

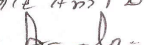
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Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)		
1	pH	NA	5 - 8.5	6.5 - 7.5	6.5 - 7.5		
2	Oil & Grease	mg/l	15	<10	<10		
3	Biological Oxygen Demand	mg/l	400	<50	<50		
4	Chemical Oxygen Demand	mg/l	300	<30	<30		
5	Total Suspended Solid	mg/l	250	<20	<20		
6	Total Nitrogen	mg/l	50	<10	<10		
7	Nitrate	mg/l	25-30	<5	<5		
8	DissolvePO4	mg/l	15-20	<5	<5		
Amount of effluent generation (CMD):		NA					
Capacity of the ETP:		NA					
Amount of treated effluent recycled :		NA					
Amount of water send to the CETP:		NA					
Membership of CETP (if require):		NA					
Note on ETP technology to be used		NA					
Disposal of the ETP sludge		NA					
38.Hazardous Waste Details							
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	NA	NA	NA	NA	NA	NA	NA
39.Stacks emission Details							
Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases	
1	160 Kva	Diesel 36.9 lit/hr	1	5	0.152m	519.5°C	
2	500 Kva	Diesel 109.9 lit/hr	1	5	0.152 m	471.2°C	
40.Details of Fuel to be used							
Serial Number	Type of Fuel	Existing	Proposed	Total			
1	Diesel	NA	160KVA- 36.9 litre/hr	37.9 litre/hr			
2	Diesel	NA	500KVA - 109.9 litre/hr	109.9 litre/hr			
41.Source of Fuel		Authorized Dealer					
42.Mode of Transportation of fuel to site		Barrels in Closed Tampo					

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S.D.Aher (Secretary SEAC-III)

SEAC Meeting No: 65 Meeting Date: May 29, 2018

Name: K. Anil Kale
 Signature: 

Shri. Anil Kale (Chairman SEAC-III)

Page 36 of 62

43.Green Belt Development	Total RG area :	1769.12 sqm i.e 10.97 % of net plot area (16126.81 sqm)
	No of trees to be cut :	NA
	Number of trees to be planted :	219
	List of proposed native trees :	Maharukh, Kadamb, Fish Tail Palm, Pangara, Kunti, Son Chafa,Sita Asoka, Tamhan, Chiku,Palas, Shivan, Sitafal
	Timeline for completion of plantation :	6 month after Project Completion

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

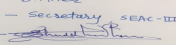
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Ailanthus excelsa	Maharukh	7	Large tree, good for roadside plantation
2	Anthosaphalus kadamba	Kadamb	18	Shady, large tree, ball shaped flowers.
3	Caryota urens	Fish Tail Palm	42	Tall evergreen tree
4	Erythrina indica	Pangara	9	Medium sized deciduous tree. Bright scarlet flowers.
5	Murrayya paniulate	Kunti	16	Small tree, Fragrant white flowers, Butterfly host plant
6	Michela champaca	Son Chafa	18	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
7	Saraca asoka	Sita Asoka	29	Shady tree with red-yellow flowers.
8	Lagestromia flosre genia	Tamhan	24	State flower tree of Maharashtra, Medium sized tree, beautiful purple flowers
9	Manilkara zapota	Chiku	15	Evergreen Fruit Bearing Tree
10	Butea monosperma	Palas	8	Medium sized deciduous tree. Beautiful orange flowers, Butterfly host plant
11	Gmelina arborea	Shivan	22	Fast growing tree with beautiful yellow flowers
12	Annona squaosa	Sitafal	11	Evergreen Fruit Bearing Tree

45.Total quantity of plants on ground

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

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

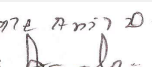

47.Energy

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S.D.Aher (Secretary SEAC-III)

SEAC Meeting No: 65 Meeting Date: May 29, 2018

Page 37 of 62

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

Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	130 KW
	DG set as Power back-up during construction phase	160 KVA
	During Operation phase (Connected load):	1503.43 KW
	During Operation phase (Demand load):	1365.80 KVA
	Transformer:	Residential (630 KVA X 3)
	DG set as Power back-up during operation phase:	Residential (500 KVA X 1)
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48. Energy saving by non-conventional method:

Using Conventional CFL & LED - 27739.24 Kwh/Yr i.e 32.98%
Using Low Loss Transformer -3153.60Kwh/Yr i.e 8.57%
Using Solar Water Heater -2430.00 Kwh/Yr i.e 75.34%

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Using Conventional CFL & LED	32.98%
2	Using Low Loss Transformer	8.57%
3	Using Solar Water heater	75.34%

50. Details of pollution control Systems

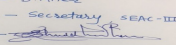
Source	Existing pollution control system	Proposed to be installed
Effluent	NA	STP
Biodegradable waste	NA	OWC
DG Set	NA	Installing DG Set which complies to CPCB norms.

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	88.85 Lakh
	O & M cost:	9.57 Lakh/year

51. Environmental Management plan Budgetary Allocation

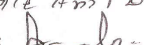
a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air	Water For Dust Suppression , Air & Noise Monitoring	1.10

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

SEAC Meeting No: 65 Meeting Date: May 29, 2018

Page 38 of 62

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

2	Water	Tanker Water For Construction, Water Monitoring	6.33
3	Land	Site Sanitation-,Mobile toilets	1.99
4	Biological	Gardening Set Up and top soil preservation	3.74
5	Socio-Economic	Disinfection- Pest Control, First Aid Facilities, Health Check Up, Creches For Children, Personal Protective Equipment	5.66

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	Including external drainage connection, 1 no STP cost considered	58.5	4.86
2	Rain Water Harvesting	Based on GeoHydrology Report, 12 no pit will be provided	4.63	0.39
3	Storm Water Networking	To assure proper disposal of Storm Water	5.2	0.52
4	Solid Waste Management	To assure proper disposal of Dry and Wet Waste, 1 no OWC will be provided	20.25	4.79
5	Landscape	As required by the authorities to help environment	11.61	1.80
6	Energy	With all said energy saving measures like solar panels and solar water heaters	88.85	9.57
7	Environmental Monitoring	Air, Noise, Water, Effluent tests as per government norms	NA	2.95

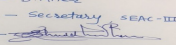
51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)

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

52.Any Other Information

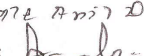
No Information Available

53.Traffic Management

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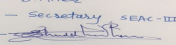
SEAC Meeting No: 65 Meeting Date: May 29, 2018

Name: K. Anil Kale
Signature: 

Shri. Anil Kale (Chairman SEAC-III)

Page 39 of 62

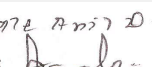

	Nos. of the junction to the main road & design of confluence:	As per Parking & Traffic Management Plan
Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	5083.00sqm
	Area per car:	30sqm
	Area per car:	30sqm
	Number of 2-Wheelers as approved by competent authority:	828
	Number of 4-Wheelers as approved by competent authority:	48
	Public Transport:	Bus Stop is Available
	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	NA
	Category as per schedule of EIA Notification sheet	B2
	Court cases pending if any	NA
	Other Relevant Informations	Fire Noc-Applied ; Water NOC from Grampanchayat -Applied ; Drainage Noc from Grampanchayat -Applied ; Garden Noc-Applied
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	06-04-2017
SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS		
Summorisred in brief information of Project as below.		
Brief information of the project by SEAC		

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

SEAC Meeting No: 65 Meeting Date: May 29, 2018

Page 40 of 62

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

Environment Clearance for "Triveni Dham" Gat No. 517P, 525P, 516P, 515P, 513P at Tulapur, Tal: Haveli, Pune-412207 (New Case)

PP submitted their application for prior Environment Clearance for total plot area of 16,850 Sq. Mtrs, BUA of 30,671.38Sq. Mtrs and FSI area of 17,946.20 Sq. Mtrs. PP proposes to construct 6 nos. of residential buildings having maximum height of 31.50 Mtrs. & 1 No. of club house.

During the meeting committee noted that as per notification dated 09/12/2016 MOEF &CC, building and construction projects having built up area $\leq 1,50,000$ Sq.Mtrs., the integrated environmental conditions with the building permission being granted by the local Planning authority. Accordingly, MOEF&CC by their order dated 07/07/2017 concurred that the environmental clearance for building and construction projects up to 1,50,000 square meter stand integrated with Development Control regulations (DCR) of all Municipal Corporations, Municipal Councils and all Special Planning Authorities in Pune and Kokan Division.

PP remained absent for the meeting. However, Committee noted that the total built up area of project is 30,671.38 Sq.Mtrs. and project falls under jurisdiction of PMRDA, Special Planning Authority in Pune Division. Therefore, Committee decided to defer the project as per order dated 07/07/2017 of MOEF&CC.

Environment Clearance for "TriveniDham" by Sai Balaji Group Gat No. 517P, 525P, 516P, 515P, 513P at Tulapur, Tal: Haveli, Pune.by **Mr. Ram Agrawal**

PP submitted their application for Prior Environmental clearance fortotal plot area of 16850Sq. Mtrs, BUA of30671.38Sq. Mtrs and FSI area of 17946.20Sq. Mtrs.PP proposes to construct 6 no. residential building and 1 Club house.

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

DECISION OF SEAC

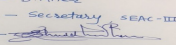
SEAC decided to recommend the proposal for prior environmental Clearance, subject to PP complying with the following conditions.

Specific Conditions by SEAC:

- 1) PP to upload revise disaster management plan.
- 2) PP to submit an indemnity bond for project land.
- 3) PP to upload site specific EMP.
- 4) 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.
- 5) PP to upload undertaking for sustainable water supply.

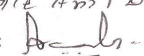
FINAL RECOMMENDATION

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

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

SEAC Meeting No: 65 Meeting Date: May 29, 2018

**Page 41
of 62**

Name: K. Anil Kale
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Agenda for 65 th meeting of SEAC-3. Date-28 to 31 may 2018

SEAC Meeting number: 65 Meeting Date May 29, 2018

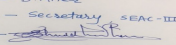
Subject: Environment Clearance for Proposed Development for IT/ITES SEZ

Is a Violation Case: No

1.Name of Project	Proposed Development for IT/ITES SEZ
2.Type of institution	Private
3.Name of Project Proponent	AIGP Developers(Pune) Private Limited
4.Name of Consultant	JV ANALYTICAL SERVICES, PUNE
5.Type of project	IT/ITES SEZ
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 Expansion
8.Location of the project	S.No. 1344/3 & 4 and S.No.63/1/6, Kharadi and Wagholi, Pune City and Haveli, Pune 411014
9.Taluka	Pune City and Haveli
10.Village	Kharadi and Wagholi
Correspondence Name:	Manoj Somawanshi
Room Number:	C/o Ascendas Services (India) Private Limited, Unit 607 and 608, S.No.105(3)
Floor:	6th Floor
Building Name:	Amar Business Park
Road/Street Name:	Baner Road
Locality:	Baner
City:	Pune
11.Area of the project	Kharadi in Pune Municipal Corporation and Wagholi in Wagholi Grampanchayat
12.IOD/IOA/Concession/Plan Approval Number	Project Sanction Plan
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 348678.49
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.)	66883.5 sqm
16.Deductions	0 sqm
17.Net Plot area	65840.0 sqm
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 172166.67
	b) Non FSI area (sq. m.): 176511.82
	c) Total BUA area (sq. m.): 348678.49
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 50367.6
	Approved Non FSI area (sq. m.):
	Date of Approval: 23-01-2018
19.Total ground coverage (m2)	39647.0
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	59.27
21.Estimated cost of the project	8960000000

22.Number of buildings & its configuration

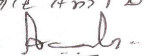
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
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S.D.Aher (Secretary SEAC-III)

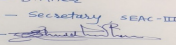
SEAC Meeting No: 65 Meeting Date: May 29, 2018

**Page 42
of 62**

Name: K. Anil D.
Signature: 

Shri. Anil Kale (Chairman SEAC-III)

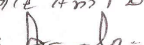
1	Block 1	G+13 G+11	76.55	
2	Block 2	G+13 G+11	76.55	
3	Incubation Building	G+3	NA	
4	Amenity building	G+2	NA	
23.Number of tenants and shops		NA		
24.Number of expected residents / users		25800		
25.Tenant density per hectare		NA		
26.Height of the building(s)				
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))		24m		
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation		12m		
29.Existing structure (s) if any		Security Cabin		
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				

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

SEAC Meeting No: 65 Meeting Date: May 29, 2018

Page 43 of 62

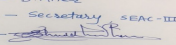
Name: K. Anil Kale
 Signature: 

Shri. Anil Kale (Chairman SEAC-III)

Dry season:	Source of water	Ground Water
	Fresh water (CMD):	670
	Recycled water - Flushing (CMD):	551
	Recycled water - Gardening (CMD):	93
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	1414
	Fire fighting - Underground water tank(CMD):	492
	Fire fighting - Overhead water tank(CMD):	120
	Excess treated water	295
Wet season:	Source of water	Ground Water
	Fresh water (CMD):	670
	Recycled water - Flushing (CMD):	551
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	1414
	Fire fighting - Underground water tank(CMD):	492
	Fire fighting - Overhead water tank(CMD):	120
	Excess treated water	388
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

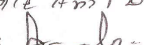
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Water Requirement	Not applicable	670	670	0	0	0	Not applicable	Not applicable	Not applicable
Fresh water requirement	Not applicable	670	670	0	0	0	Not applicable	Not applicable	Not applicable
Gardening	NA	93	93	0	0	0	NA	NA	NA

Name - S.D.Aher
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 Sign - 

S.D.Aher (Secretary SEAC-III)

SEAC Meeting No: 65 Meeting Date: May 29, 2018

Page 44 of 62

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

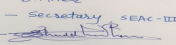
34.Rain Water Harvesting (RWH)	Level of the Ground water table:	1.6m-5.6m
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	14 Recharge borewell are proposed
	Size of recharge pits :	2mx2mx3m depth
	Budgetary allocation (Capital cost) :	4.62Lakhs
	Budgetary allocation (O & M cost) :	1.10Lakhs
Details of UGT tanks if any :	Block-1: underground fire water storage is 1,71,000 Litres and underground sprinkler water storage is 1,08,000 litres Block-2: underground fire water storage is 1,71,000 litres and underground sprinkler water storage is 1,08,000 litres Block-3&4: underground fire water storage is 1,50,000 litres and underground sprinkler water storage is 1,08,000 litres	

35.Storm water drainage	Natural water drainage pattern:	Natural as per countour plan water will floe from west to east
	Quantity of storm water:	32772.92 m3
	Size of SWD:	300mmx300mm slope upto 1:250

Sewage and Waste water	Sewage generation in KLD:	1154
	STP technology:	MBR
	Capacity of STP (CMD):	Total STP 2(Block 2,3,4-554KLD and Block 1-600KLD)
	Location & area of the STP:	North of project site 554KLD STP of area 651 sqm and South-East of project site 600KLD STP of area 677KLD
	Budgetary allocation (Capital cost):	112.7 lakhs
	Budgetary allocation (O & M cost):	10.59 lakhs

36.Solid waste Management

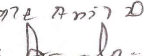

Waste generation in the Pre Construction and Construction phase:	Waste generation:	Debris of 2,08,022.08 cum and from 1500 labourer 150kg/day
	Disposal of the construction waste debris:	Will be disposed in nearby abandon stony mines, in process and bio-toilets are used hence disposal of solid and liquid itself taken care
Waste generation in the operation Phase:	Dry waste:	2580kg/day
	Wet waste:	3870kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	11.54kg/day
	Others if any:	E-waste 1860Kg/month

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

S.D.Aher (Secretary SEAC-III)

SEAC Meeting No: 65 Meeting Date: May 29, 2018

Page 45 of 62

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

Mode of Disposal of waste:	Dry waste:	Will be sent to SWach Pune Agency for collection and disposal
	Wet waste:	Will be sent to OWC Machine
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	19.23m3/day
	Others if any:	Will be sent to authorised recycler
Area requirement:	Location(s):	North of project site 1500Kg/day OWC of area 90sqm and South-East of project site 1500Kg/day OWC of area 90sqm
	Area for the storage of waste & other material:	15sqm
	Area for machinery:	75sqm
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	25 lakhs
	O & M cost:	0.46 lakhs

37. Effluent Characteristics

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

38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used or Spent oil	5.1	Kg/month	0	3	3	Common Hazardous Waste Treatment Storage and Disposal facility in Ranjangaon

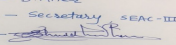
39. Stacks emission Details

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 stack	HSD 560Kg/hr.	14	82.5	0.4	157

40. Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	0	50000litres	50000litres

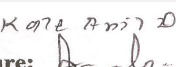

41. Source of Fuel	Tank
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Name - S.D.Aher
Designation - Secretary SEAC-III
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S.D.Aher (Secretary SEAC-III)

SEAC Meeting No: 65 Meeting Date: May 29, 2018

Page 46 of 62

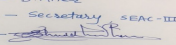
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42.Mode of Transportation of fuel to site	Tanker
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43.Green Belt Development	Total RG area :	Ground: 9998sqm on podium: 5990sqm
	No of trees to be cut :	0
	Number of trees to be planted :	874
	List of proposed native trees :	874
	Timeline for completion of plantation :	Proposed timeline 5 year

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

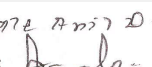

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Anthocephalus kadamba	kadamba	7	The fresh leaves are fed to cattle.Kadamba are suitable for reforestation programs.It sheds large amounts of leaf and non-leaf litter which on decomposition improves some physical and chemical properties of soil under its canopy
2	Tabebuia Rosea	rose trumpet	75	Preparations of the cortex of the tree are consumed to eliminate intestinal parasites, malaria and uterine cancer.A decoction of the flowers, leaves and roots has been used to reduce fevers and pain, cause sweating, to treat tonsil inflammation and various other disorders
3	Azardicrtcha indica	Neem	45	Neem products are believed by Siddha and Ayurvedic practitioners to be Anthelmintic, antifungal, antidiabetic, antibacterial, antiviral, contraceptive, and sedative.Neem oil is also used for healthy hair, to improve liver function, detoxify the blood, and balance blood sugar levels.
4	Michelia Champaka	Sonchafa	75	The tree was traditionally used to make fragrant hair and massage oils.its form as an ornamental tree, as a dense screening hedge, and for its fragrant flowers.
5	Millingtonia Hortensis	Akashneem	93	The tree is considered ornamental and the pleasant fragrance of the flowers renders it ideal as a garden tree
6	Sapthodea campanulata	flame tree	81	This tree is planted extensively as an ornamental tree throughout india and is much appreciated for its very showy reddish-orange or crimson (rarely yellow), campanulate flowers

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

S.D.Aher (Secretary SEAC-III)

SEAC Meeting No: 65 Meeting Date: May 29, 2018

Page 47 of 62

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

7	Lagerstromia indica	Taman tree	142	A decoction of the flowers is used in the treatment of colds. The stem bark is febrifuge, stimulant and styptic
8	Peltophorum pterocarpum	yellow gulmohar	166	In traditional medicine it is used as an astringent to cure or relieve intestinal disorders after pain at childbirth, sprains, bruises and swelling or as a lotion for eye troubles, muscular pains and sores. The tree has a dense, spreading crown and so is widely appreciated for providing shade
9	Cassia fistula	amaltas	95	The flowers are edible. The pods are used as a remedy for malaria, blood poisoning, anthrax, diabetes and dysentery
10	Ficus benjamina	NA	95	The tree provides a dense shade and has an aggressive root system, usually shading out plants underneath. The inner bark is a source of fibre. The pounded leaves and bark are applied as a poultice in the treatment of rheumatic headaches
45. Total quantity of plants on ground				

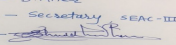
46. Number and list of shrubs and bushes species to be planted in the podium RG:

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

47. Energy

Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	500KW
	DG set as Power back-up during construction phase	1000kVA DG Set
	During Operation phase (Connected load):	20428kVA
	During Operation phase (Demand load):	11037kVA
	Transformer:	14300kVA
	DG set as Power back-up during operation phase:	10 DG Sets of 2000kVA and 4 DG Sets of 250kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	No high tension line passes through plot

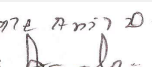

48. Energy saving by non-conventional method:

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

S.D.Aher (Secretary SEAC-III)

SEAC Meeting No: 65 Meeting Date: May 29, 2018

Page 48 of 62

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

The project is facilitating two main IT/ITES towers and ancillary buildings. The position of the two towers is at @ 45° to north. This shall help to receive less heat and more light. 1. Central courtyard also gets benefited as at any given point courtyard will have desired sun and shadow. The courtyard would be a relief point to all. Cores of the buildings are placed at Center to receive maximum daylight. Double glazed facade is being considered to reduce the heat gain and maximize the natural light penetration. The orientation of the buildings, materials and design makes this a sustainable development. 2. Solar Street Lights will save 0.01% energy.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	LED Lighting	2.64%
2	VRV System HVAC	17.19%
3	Lift with VFDs	0.07%
4	Solar	0.01%
5	Total Energy Saving	19.92%

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	NA
	O & M cost:	NA

51.Environmental Management plan Budgetary Allocation

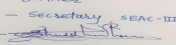
a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Construction	Dust Suppression	6.12lakhs for 6 months
2	PPEs and Safety nets	Safety	17.10lakhs one time
3	Environment Monitoring	Air, Water, Soil, Noise etc.	7.2lakhs for 6 months

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Post Project Environment monitoring	NA	0	1.44
2	Rainwater Harvesting	NA	4.62	13.2
3	Sewage Treatment Plant	NA	112.7	127.08
4	Water Treatment Plant	NA	50.56	33.84
5	Solid Waste Management(OWC)	NA	25	5.52
6	Landscaping	NA	160	18
7	Energy	NA	200	1.92

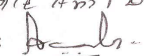
51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)

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

SEAC Meeting No: 65 Meeting Date: May 29, 2018

Page 49 of 62

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

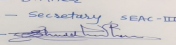
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
HSD Fuel	Not applicable	North and South of Site	41	50	16.8	local supplier	Tanker

52.Any Other Information

No Information Available

53.Traffic Management

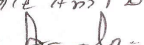
	Nos. of the junction to the main road & design of confluence:	No. of Junction:1
Parking details:	Number and area of basement:	No basement
	Number and area of podia:	2 podium for Block-1 podium area is 14263.43sqm and for Block-2 podium area is 13309.58sqm
	Total Parking area:	90207.10sqm
	Area per car:	35sqm
	Area per car:	35sqm
	Number of 2-Wheelers as approved by competent authority:	2414
	Number of 4-Wheelers as approved by competent authority:	2520
	Public Transport:	Bus Rapid Transit nearest bus stop is Aple Ghar at a distance of 1.3Km by road
	Width of all Internal roads (m):	At entry and exit its 12m road and in main area the driveway is 9m wide.
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	NA
	Court cases pending if any	No court cases pending against project till date.
	Other Relevant Informations	NA

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

SEAC Meeting No: 65 Meeting Date: May 29, 2018

Page 50 of 62

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

	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	12-09-2017

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summarised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for Proposed Development for IT/ITES SEZ, at S.No. 1344/3 & 4 and S.No.63/1/6, Kharadi and Wagholi, Pune City and Haveli, Pune, by **M/s. AIGP Developers (Pune) Private Limited.**

PP submitted their application for Expansion of Environmental clearance for total plot area of 66883.5 Sq. Mtrs, BUA of 348678.49 Sq. Mtrs and FSI area of 172166.67 Sq. Mtrs. PP proposes to construct 3 no. residential building and 1 no. Commercial building .

During discussion PP stated that they are going to reduce one parking floor that's why reducing in area from 433885.23 sq.m. to 348678.49 sq.m.

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

DECISION OF SEAC

SEAC-AGENDA-000001986

<div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> <small>Name - S.D.Aher Designation - Secretary SEAC-III Sign</small> </div> <p>S.D.Aher (Secretary SEAC-III)</p>	<p>SEAC Meeting No: 65 Meeting Date: May 29, 2018</p>	<p>Page 51 of 62</p>	<div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> <small>Name: K. Anil Kale Signature:</small> </div> <p>Shri. Anil Kale (Chairman SEAC-III)</p>
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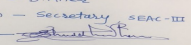
PP requested for time to submit above information; after deliberations committee asked PP to comply with the following observations and submit information to the committee for further discussion and consideration of SEAC.

Specific Conditions by SEAC:

- 1) PP to submit revise RG drawing. No concretization on proposed amphitheater.
- 2) PP to submit aviation NOC.
- 3) PP to submit details of CSR activities in consultation with the people in the project area as per MoEF & CC circular dated 1/05/2018 if applicable.
- 4) PP to submit an indemnity bond for project land.
- 5) PP to submit STP details.
- 6) PP to submit water supply NOC. with quantity.
- 7) PP to submit details of Debris management plan along with quantity of top soil and submit specific NOC from respective mine owner and NOC from DMO.
- 8) PP to submit proper Layout plan.
- 9) PP to submit energy saving calculations along with terrace area plan.
- 10) PP to submit detailed drawing for RWH and Number of recharge pits.
- 11) PP to submit NOC for E-Waste.
- 12) PP to submit revise Disaster Management Plan.
- 13) PP to submit fire tender movement plan.
- 14) PP to submit cross section of drive way at 4-5 places. along with parking layout.
- 15) PP to submit Parking statement at various level and area per car as per standards.
- 16) PP to conduct traffic impact study considering similar data from near vicinity.
- 17) PP to submit the layout of SWD up to final chamber of municipal line.
- 18) PP to submit details of sewer line connectivity up to final disposal point. Along with total design details.
- 19) PP to submit details of Water treatment Tank.
- 20) PP to submit additional trees list.
- 21) PP to submit the drawing showing alignment of retaining wall locations.
- 22) PP to remove septic tank from EIA report and submit revise report.
- 23) PP to submit revised EMP along with cost.
- 24) PP to shift UGT as it's below the internal road.

FINAL RECOMMENDATION

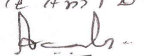
SEAC-III decided to defer the proposal till PP submits the additional information as per above conditions within 30 days

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

SEAC Meeting No: 65 Meeting Date: May 29, 2018

Page 52 of 62

Name: K. Anil Kale
Signature: 

Shri. Anil Kale (Chairman SEAC-III)

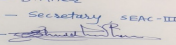
Agenda for 65 th meeting of SEAC-3. Date-28 to 31 may 2018

SEAC Meeting number: 65 Meeting Date May 29, 2018

Subject: Environment Clearance for Proposed IT Building "Amar Nandan Tech Park", at S.No.31 & 33 Part, Balewadi, Pune - 411045 By Nandan Valens Associate LLP

Is a Violation Case: No

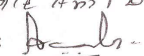
1.Name of Project	Proposed IT Building "Amar Nandan Tech Park"
2.Type of institution	Private
3.Name of Project Proponent	Name: Shamkant Keshav Kotkar, Authorized signatory: Hrishikesh Manjrekar Nandan Valens Associates LLP Nandan House Plot no.52, Shivaji Housing Co Op Society LTD CTS no.103 Behind ICCTower, Senapati Bapat Road Shivaji nagar Pune, Maharashtra - 411016
4.Name of Consultant	VK:e environmental LLP Pune
5.Type of project	Commercial IT project
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	Latitude: 18034'34.07" N Longitude: 73045'54.70" E S.No.31 & 33 Part, Balewadi, Pune - 411045
9.Taluka	Haveli
10.Village	Balewadi
Correspondence Name:	Hrishikesh Manjrekar (Authorized signatory), Nandan Valens Associates LLP
Room Number:	Nandan House Plot no.52, CTS no.103
Floor:	Shivaji Housing Co Op Society LTD
Building Name:	Behind ICCTower Building
Road/Street Name:	Senapati Bapat Road
Locality:	Shivaji nagar
City:	Pune
11.Area of the project	PMC
12.IOD/IOA/Concession/Plan Approval Number	Under process IOD/IOA/Concession/Plan Approval Number: under process Approved Built-up Area: 47402.39
13.Note on the initiated work (If applicable)	Not applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	16451.00 m ²
16.Deductions	632.54 m ²
17.Net Plot area	15818.46 m ²
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 47402.39 b) Non FSI area (sq. m.): 43007.23 c) Total BUA area (sq. m.): 90409.62
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)	7768.75
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	49
21.Estimated cost of the project	1858200000

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

SEAC Meeting No: 65 Meeting Date: May 29, 2018

**Page 53
of 62**

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

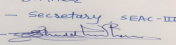
22. Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	1 IT building	, LG (Parking) + UG (Shops & offices) + 3F (Parking) + 6F (Offices)	47.4 m
23. Number of tenants and shops	a) No. of Shops-42, 540 persons b) No. of offices- 21, 4613 persons		
24. Number of expected residents / users	Total commercial users: 540+4613= 5153		
25. Tenant density per hectare	Not applicable as it is a commercial project, only floating population will be there.		
26. Height of the building(s)			
27. Right of way (Width of the road from the nearest fire station to the proposed building(s))	30 m wide road from the nearest fire station to the project. Nearest fire station & distance: Hinjewadi fire station (phase 1)- 3.2 km		
28. Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	For easy access of fire tender, 7.5 m wide internal driveway & 9 m turning radius will be provided.		
29. Existing structure (s) if any	Not applicable		
30. Details of the demolition with disposal (If applicable)	Not applicable		

31. Production Details

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

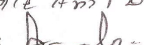
32. Total Water Requirement

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

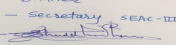
SEAC Meeting No: 65 Meeting Date: May 29, 2018

Page 54 of 62

Name: K. Anil Kale
Signature: 

Shri. Anil Kale (Chairman SEAC-III)

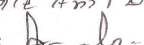
Dry season:	Source of water	PMC							
	Fresh water (CMD):	103							
	Recycled water - Flushing (CMD):	129							
	Recycled water - Gardening (CMD):	10							
	Swimming pool make up (Cum):	-							
	Total Water Requirement (CMD) :	242							
	Fire fighting - Underground water tank(CMD):	300							
	Fire fighting - Overhead water tank(CMD):	25 per wing							
	Excess treated water	28							
Wet season:	Source of water	PMC							
	Fresh water (CMD):	103							
	Recycled water - Flushing (CMD):	129							
	Recycled water - Gardening (CMD):	0							
	Swimming pool make up (Cum):	-							
	Total Water Requirement (CMD) :	232							
	Fire fighting - Underground water tank(CMD):	300							
	Fire fighting - Overhead water tank(CMD):	25 per wing							
	Excess treated water	38							
Details of Swimming pool (If any)	Not applicable								
33.Details of Total water consumed									
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
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

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

S.D.Aher (Secretary SEAC-III)

SEAC Meeting No: 65 Meeting Date: May 29, 2018

Page 55 of 62

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

34. Rain Water Harvesting (RWH)	Level of the Ground water table:	• Summer Season - 19.00 m. to 22.25 m. BGL. (20.63 M. Average) Rainy Season - 8.75 m. to 13.75 BGL. (11.25 M. Average) Winter Season - 13.88 m. to 18.00 m. BGL. (15.94 M. Average)
	Size and no of RWH tank(s) and Quantity:	Not applicable
	Location of the RWH tank(s):	Not applicable
	Quantity of recharge pits:	8 Nos
	Size of recharge pits :	2.00 m. X 2.00 m. X 1.75 m. Depth With 6" Dia. 60 m. deep bore well via 0.9 m. Dia. 1.0 m. Deep De-siltation pit
	Budgetary allocation (Capital cost) :	Rs. 9,00,000/-
	Budgetary allocation (O & M cost) :	Rs. 50,000/-
	Details of UGT tanks if any :	Total Domestic Water Req. = 103.5 kld Total Flushing Water Req. = 129 kld Fire Tank Water Req. = 300 kld

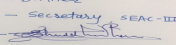
35. Storm water drainage	Natural water drainage pattern:	Natural water drainage pattern: The storm water drainage will be designed according to contours. The storm water collected through the storm water drains of adequate capacity will be led to recharge pits.
	Quantity of storm water:	Harvesting Capacity: 69,60 m ³ / Day
	Size of SWD:	450 mm

Sewage and Waste water	Sewage generation in KLD:	185.6
	STP technology:	MMBR (Moving Media Bio Reactor)
	Capacity of STP (CMD):	1 no. of 200 kld
	Location & area of the STP:	On ground, Area: 104.22 sqm
	Budgetary allocation (Capital cost):	62,00,000/-
	Budgetary allocation (O & M cost):	13,19,000/-

36. Solid waste Management

Waste generation in the Pre Construction and Construction phase:	Waste generation:	Dry waste (Kg/day): 4 kg/day -Wet waste (Kg/day): 6 kg/day -Total waste generated: 10 kg/day
	Disposal of the construction waste debris:	The construction waste generated during construction shall be segregated, reused on site and surplus shall be led to scrap dealers for recycling.

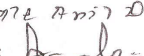

Waste generation in the operation Phase:	Dry waste:	746 kg/day
	Wet waste:	542 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	30 kg/day
	Others if any:	e-waste : 2847 kg/day

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

S.D.Aher (Secretary SEAC-III)

SEAC Meeting No: 65 Meeting Date: May 29, 2018

Page 56 of 62

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

Mode of Disposal of waste:	Dry waste:	will be handed over to SWaCH.
	Wet waste:	will be treated in onsite Organic Waste Converter (OWC).
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Dried sludge from STP will be used as manure.
	Others if any:	E-waste will be handed over to Hi tech Recycling Pvt. Ltd.
Area requirement:	Location(s):	On ground
	Area for the storage of waste & other material:	6.5 sqm
	Area for machinery:	17 sqm
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	16,75,000/-
	O & M cost:	3,54,107/-

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

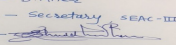
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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

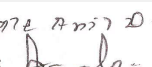
Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable
41. Source of Fuel		Not applicable		
42. Mode of Transportation of fuel to site		Not applicable		

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

S.D.Aher (Secretary SEAC-III)

SEAC Meeting No: 65 Meeting Date: May 29, 2018

Page 57 of 62

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

43.Green Belt Development	Total RG area :	3676.79 sqm.
	No of trees to be cut :	10 trees to be transplanted, 22 trees to be retained
	Number of trees to be planted :	232 (202 newly proposed trees + 30 compensatory plantation)
	List of proposed native trees :	Refer below list
	Timeline for completion of plantation :	Till operation phase

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

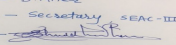
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Ailanthus excelsa	Maharukh	6	Good for roadside plantation and have medicinal properties
2	Anthocephallus cadamba	Kadamb	9	Good for roadside plantation and provide shade
3	Saraca Indica	Sita Ashok	21	Good for roadside plantation and provide shade.
4	Cassia Fistula	Bahava	32	Have medicinal properties and larval host for butterflies.
5	Lagerstroemia flosregineae	Tamhan	34	Good as a avenue tree, good for group planting around water gardens and ponds.
6	Azadiracta indica	Neem	24	Good for restoration of dryer parts, good for air purifier and have medicinal properties
7	Michelia Champaca	Son Chafa	31	Good for Ornamental purpose.
8	Murraya paniculata	Kunti	21	Good for Ornamental purpose.
9	Bauhinia Racemosa	Apta	45	Drought resistant good air purifier and have medicinal properties
10	Magnifera Indica	Mango	07	Good for roadside plantation and provide shade.
11	Acrus Sapota	Chickoo	02	Good for roadside plantation and provide shade.

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

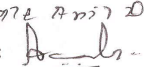
47.Energy

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

SEAC Meeting No: 65 Meeting Date: May 29, 2018

Page 58 of 62

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

Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	Connected load=100 KW, Total Demand load = 60 KW
	DG set as Power back-up during construction phase	1 no. of 125 kvA
	During Operation phase (Connected load):	6332.73 KW
	During Operation phase (Demand load):	4690.91 kvA
	Transformer:	3 nos. of 2000 kvA
	DG set as Power back-up during operation phase:	3 DG set of 1500 kvA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	Not applicable

48. Energy saving by non-conventional method:

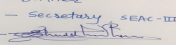
- For the proposed project, a cost effective green building solutions will be used as far as possible as per the prevailing trend.
 - Project proposes to opt for LED lamps for common areas.
 - Project proposes to install motion sensors, Timers & daylight sensors for common area lighting to ensure Automatic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

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	<ul style="list-style-type: none"> • For the proposed project, a cost effective green building solutions will be used as far as possible as per the prevailing trend. • Project proposes to opt for LED lamps for common areas. • Project proposes to install motion sensors, Timers & daylight sensors for common area lighting to ensure Automatic Lighting Shutoff of common lighting when areas are not in use. • Project proposes to use stand-alone solar powered lamps for common area lights, external, street lights & landscape lighting. 	64 %

50. Details of pollution control Systems

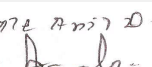

Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

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

S.D.Aher (Secretary SEAC-III)

SEAC Meeting No: 65 Meeting Date: May 29, 2018

Page 59 of 62

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

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 1,70,00,000/-
	O & M cost:	Rs. 2,50,000/-

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air environment	Erosion control - dust suppression ensures, barricading and top soil preservation	10,31,583/-
2	Land	Labour Camp toilets & sanitation	2,40,000/-
3	Health and Safety	Labour Safety Equipments and training	2,00,000/-
4	Environmentment	Environmental Monitoring	1,85,600/-
5	Health and Safety	Disinfection and Health Check-ups	28,500/-
6	Environmental Management	Environmental Monitoring Cell	2,02,000/-

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage treatment plant	Sewage treatment plant	62,00,000/-	13,19,000/-
2	Solid waste management (OWC)	Solid waste management (OWC)	16,75,000/-	3,54,107/-
3	Landscaping	Landscaping	25,07,000/-	4,54,788/-
4	Rain water harvesting	Rain water harvesting	9,00,000/-	50,000/-
5	Environmental Monitoring	Environmental Monitoring	-	2,52,510/-
6	Solar PV panel system	Solar PV panel system	170,00,000/-	2,50,000/-

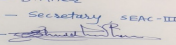
51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)

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

52.Any Other Information

No Information Available

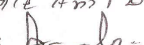
53.Traffic Management

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

S.D.Aher (Secretary SEAC-III)

SEAC Meeting No: 65 Meeting Date: May 29, 2018

**Page 60
of 62**

Name: K. Anil Kale
Signature: 

Shri. Anil Kale (Chairman SEAC-III)

	Nos. of the junction to the main road & design of confluence:	Proposed site is located at Balewadi. For internal traffic movement 7.5 m wide driveway will be proposed.
Parking details:	Number and area of basement:	-
	Number and area of podia:	-
	Total Parking area:	21688 sqm.
	Area per car:	30 sqm
	Area per car:	30 sqm
	Number of 2-Wheelers as approved by competent authority:	2917
	Number of 4-Wheelers as approved by competent authority:	1195
	Public Transport:	NA
	Width of all Internal roads (m):	7.5 M driveway
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable
	Category as per schedule of EIA Notification sheet	8 a Building and Construction Projects
	Court cases pending if any	Not applicable
	Other Relevant Informations	Proposed Commercial project is an IT building
	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>S.D.Aher (Secretary SEAC-III)</p>	<p>SEAC Meeting No: 65 Meeting Date: May 29, 2018</p>	<p>Page 61 of 62</p>	<p>Name: K. Anil Kale Signature: </p> <p>Shri. Anil Kale (Chairman SEAC-III)</p>
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Environment Clearance for Proposed IT Building "Amar Nandan Tech Park", at S.No.31 & 33 Part, Balewadi,Pune - By **M/s. Nandan Valens Associate LLP.**

PP submitted their application for Prior Environmental clearance for total plot area of 16451Sq. Mtrs, BUA of 90409.62Sq. Mtrs and FSI area of 47402.39Sq. Mtrs. PP proposes to construct 1 no IT 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.

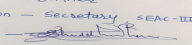
Specific Conditions by SEAC:

- 1) PP to increase the number of trees.
- 2) PP to submit undertaking for assured water supply
- 3) PP to submit energy saving calculations.

FINAL RECOMMENDATION

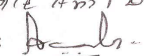
SEAC-III have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions

SEAC-AGENDA-000000086

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

SEAC Meeting No: 65 Meeting Date: May 29, 2018

Page 62 of 62

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