

## 64th Meeting of SEAC-3

**SEAC Meeting number: 64 Meeting Date March 23, 2018**

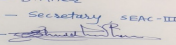
**Subject:** Environment Clearance for New Construction Project

**Is a Violation Case:** No

1.Name of Project	Hollyhock City
2.Type of institution	Private
3.Name of Project Proponent	Mr. Vivek Chimanrao Kate
4.Name of Consultant	Ultra-Tech (Environment Consultancy & Laboratory)
5.Type of project	Housing
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	S. no. 68/3, Lohegaon
9.Taluka	Haveli
10.Village	Lohegaon
11.Area of the project	Grampanchayat Lohgaon
12.IOD/IOA/Concession/Plan Approval Number	IOD No. PRH/NASR/370/2011 dated 13/12/2011
	<b>IOD/IOA/Concession/Plan Approval Number:</b> PRH/NASR/370/2011
	<b>Approved Built-up Area:</b> 11124.34
13.Note on the initiated work (If applicable)	Work under progress of Wing A, B, C, G, H & proposed site office as per Collector approval no. PRH/NA/SR/370/2011 dtd. 13.12.2011 and as per PMRDA approval no. BHA/1702/16-17/vill. Lohegaon/S.No.68/3 dated 29.04.2017
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Approved by PMRDA vide Office Order no. BHA/1702/16-17/Vill. Lohegaon/S. NO. 68/3 Dtd. 29.04.2017
15.Total Plot Area (sq. m.)	22,390.29
16.Deductions	3,358.55
17.Net Plot area	19,031.74
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 19,931.61
	b) Non FSI area (sq. m.): 12,928.80
	c) Total BUA area (sq. m.): 32860.41
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)	4,378.08
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	19.55
21.Estimated cost of the project	600000000

## 22.Number of buildings & its configuration

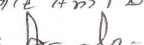
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	BLDG.1 - WING A	Parking + 9	29.48
2	BLDG.1 - WING B	Parking + 9	29.48
3	BLDG.1 - WING C	Parking + 9	29.48
4	BLDG.2 - WING D	Parking + 4	14.68
5	BLDG.5 - WING E	Parking + 9	29.32
6	BLDG.3 - WING G1 TO G4	Ground + 1	6.75

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

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

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

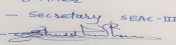
7	BLDG.4 - WING G5 TO G9 & H1 TO H3	Ground + 1	6.75
23.Number of tenants and shops	356 - Tenements		
24.Number of expected residents / users	1780 - Residents		
25.Tenant density per hectare	187.05 Tenement / hectare		
26.Height of the building(s)			
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	Yerawada Fire Station - 8.04 km away from proposed site. Width of the existing road from the nearest fire station to the proposed building is 12m		
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Turning radius for easy access of fire tender movement from all around the building is 9 m.		
29.Existing structure (s) if any	Work under progress of Wing A, B, C, G & H & Site Office		
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

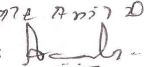
Dry season:	Source of water	From Lohegaon Grampanchayat (World Bank, PMC)
	Fresh water (CMD):	165.20m3/day
	Recycled water - Flushing (CMD):	80.10 m3/day
	Recycled water - Gardening (CMD):	16.45 m3/day
	Swimming pool make up (Cum):	--
	Total Water Requirement (CMD) :	261.75 m3/day
	Fire fighting - Underground water tank(CMD):	200m3/day
	Fire fighting - Overhead water tank(CMD):	80 m3/day
	Excess treated water	124.22 m3/day

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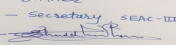
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<b>Wet season:</b>	<b>Source of water</b>	From Lohegaon Grampanchayat (World Bank, PMC)
	<b>Fresh water (CMD):</b>	165.20m3/day
	<b>Recycled water - Flushing (CMD):</b>	80.10 m3/day
	<b>Recycled water - Gardening (CMD):</b>	00 m3/day
	<b>Swimming pool make up (Cum):</b>	--
	<b>Total Water Requirement (CMD) :</b>	245.30 m3/day
	<b>Fire fighting - Underground water tank(CMD):</b>	200m3/day
	<b>Fire fighting - Overhead water tank(CMD):</b>	80 m3/day
	<b>Excess treated water</b>	140.67 m3/day
<b>Details of Swimming pool (If any)</b>	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									
Fresh water requirement	Not applicable	165.20	165.20	Not applicable	33.04	33.04	Not applicable	132.16	132.16
Domestic	Not applicable	80.10	80.10	Not applicable	16.02	16.02	Not applicable	64.08	64.08
Gardening	Not applicable	16.45	16.45	Not applicable	16.45	16.45	Not applicable	00	00

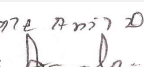

<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	Average 9.4m-17.6m
	<b>Size and no of RWH tank(s) and Quantity:</b>	--
	<b>Location of the RWH tank(s):</b>	--
	<b>Quantity of recharge pits:</b>	12
	<b>Size of recharge pits :</b>	1.2mx1.2mx1.2m (LWB)
	<b>Budgetary allocation (Capital cost) :</b>	Rs. 4.8 Lakhs
	<b>Budgetary allocation (O &amp; M cost) :</b>	Rs. 2.0 Lakhs/Annum
	<b>Details of UGT tanks if any :</b>	Domestic UG tank Capacity:245m3/day Flushing UG tank Capacity:145m3/day Fire fighting: 250m3/day

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<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	Sloping from North to South
	<b>Quantity of storm water:</b>	710.31 m3/hr
	<b>Size of SWD:</b>	Ø600mm having slope 1:150

<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	220.77 m3/day
	<b>STP technology:</b>	SMBR
	<b>Capacity of STP (CMD):</b>	265 m3/day
	<b>Location &amp; area of the STP:</b>	South Waste corner of Plot
	<b>Budgetary allocation (Capital cost):</b>	Rs. 48.21 Lakhs
	<b>Budgetary allocation (O &amp; M cost):</b>	Rs. 6.65Lakhs/Annum

### 36.Solid waste Management

<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	9,494m3 to be used on site for filling
	<b>Disposal of the construction waste debris:</b>	This material shall be used for back filling and levelling of plot.

<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	356 kg/day
	<b>Wet waste:</b>	534 kg/day
	<b>Hazardous waste:</b>	Negligible
	<b>Biomedical waste (If applicable):</b>	Not Applicable
	<b>STP Sludge (Dry sludge):</b>	31 kg/day
	<b>Others if any:</b>	Not Applicable

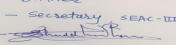
<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Handed over to SWaCH
	<b>Wet waste:</b>	Smart Organic waste composter
	<b>Hazardous waste:</b>	Handed over to authorised dealer as and when required
	<b>Biomedical waste (If applicable):</b>	Not Applicable
	<b>STP Sludge (Dry sludge):</b>	Used as manure
	<b>Others if any:</b>	Not Applicable

<b>Area requirement:</b>	<b>Location(s):</b>	North East Corner of Plot
	<b>Area for the storage of waste &amp; other material:</b>	15 m2
	<b>Area for machinery:</b>	60 m2

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs. 20.75 Lakhs
	<b>O &amp; M cost:</b>	Rs. 3.92 Lakhs/Annum

### 37.Effluent Charecterestics

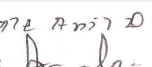

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
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1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not 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	125KVA	Diesel - 22.7 l/hr	1	5.7	0.056	500°C
2	82.5KVA	Diesel - 19.7 l/hr	1	5.3	0.075	500°C

### 40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel	350	210	560

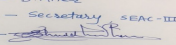
41.Source of Fuel Authorized dealer

42.Mode of Transportation of fuel to site By road

<b>43.Green Belt Development</b>	Total RG area :	2,581.79 m2
	No of trees to be cut :	00
	Number of trees to be planted :	282
	List of proposed native trees :	Given
	Timeline for completion of plantation :	Before project completion

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

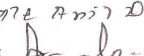
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Artocarpusheterophyllus	Fanas	16	Deciduous, Irregular to Round Shape; Spread -15m to 20m, Height- 12m to 18m, Fruit Tree

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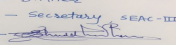
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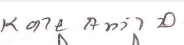

2	Azadirachtaindica	Neem/ Kadunimb	39	Sub-Deciduous, Irregular to Round, Medium to Large Ht. (12m -18m) Spread 15m to 21m, survive in moderately dry climate, all types of soil, Excellent shade tree, planted along roads and parks; for afforestation, ornamental and canal plantation (dry areas); fruit causes litter, Medicinal Value Plant, Hardy & Drought resistant
3	Bauhinia purpurea	Apta/ Rakt Kanchan	13	Almost Evergreen, Round to Conical, Small to Medium Ht. (9m -12m) Spread 10m to 13m, survives in wide range of climatic conditions and any well-drained soil, Planted along medium avenues, parks, gardens and around temples
4	Cassia fistula	Bahava	16	Deciduous, Irregular crown, Small to Medium Ht. (10m -13m) Spread 9m to 13m, Drought resistant with no specific soil requirement, , Butterfly-host plant
5	Cassia siamea	Kassod	12	Medium sized Evergreen tree often growing upto a height of 18 m . Excellent Shade tree
6	Emblica officinalis	Awala/ Amla	16	Small to medium size tree (ht- 1m to 8m), Fruit tree
7	Lagerstroemia speciose	Tamhan	10	Deciduous, Showy, Spreading, Round or Irregular crown, Small to Medium Ht. (6m -15m) Spread 5m to 9m, , State flower tree of Maharashtra
8	Micheliachampaka	Piwala Chapha	55	Evergreen, Conical to Narrow Columnar crown, Tall Ht. (9m -15m) Spread 7m to 10m,, Butterfly host plant
9	Milingtoniahortensis	Booch	38	Large tree, reaching up to a height of 18 to 25m and spreading up to 11m, Flowering Tree
10	Mutingiacalabura	Cherry	11	Small Tree 7-12m tall with drooping branches, Fruit Tree
11	Pterospermumacerifolium	Muchkund	19	Evergreen, Tall tree, Conical crown, Large Ht. (15m -20m) Spread 9m to 13m, grows in Wide range of conditions
12	Saracaindica	Sita Ashok	05	Evergreen, Round to spreading compact crown, Medium Ht. (7m -9m) Spread 7m to 9m, grows in a variety of climatic conditions
13	Terminalia arjuna	Arjun	16	Sub-Deciduous, Broad Irregular columnar to conical crown, Large Stately Ht. (18m -24m) Spread 12m to 18m, Excellent shade tree
14	Mimusopselengi	Bakul	16	Evergreen, Round crown with spreading branches, Medium to Large Ht. (12m - 15m) Spread 12m - 15m, Drought resistant, Shade Tree
<b>45.Total quantity of plants on ground</b>				

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

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

**47.Energy**

<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	30 KW
	<b>DG set as Power back-up during construction phase</b>	40 KVA
	<b>During Operation phase (Connected load):</b>	1713 KW
	<b>During Operation phase (Demand load):</b>	1522.66 KVA
	<b>Transformer:</b>	630 KVA(3 No)
	<b>DG set as Power back-up during operation phase:</b>	125 KVA (1 No), 82.5 KVA (1 No)
	<b>Fuel used:</b>	Diesel
<b>Details of high tension line passing through the plot if any:</b>	Not Applicable	

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

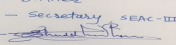
Light Fitting for common areas i.e. Bldg. Parking, Staircases, Passage, and Terrace Floor.  
 Shrub Lighter - Light Fitting for landscape Area  
 Bollard Light - Light Fitting for landscape Area  
 Solar Street Light Fitting - Pole Light on road side  
 Street Light on the Bldg  
 Energy Saving by Solar Hot Water System

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

Serial Number	Energy Conservation Measures	Saving %
1	Light Fitting for common areas i.e. Bldg. Parking, Staircases, Passage, and Terrace Floor.	36.88KWH
2	Shrub Lighter - Light Fitting for landscape Area	0.48KWH
3	Bollard Light - Light Fitting for landscape Area	0.7KWH
4	Solar Street Light Fitting - Pole Light on road side	7.5KWH
5	Street Light on the Bldg	7.2KWH
6	Energy Saving by Solar Hot Water System	1290KWH

**50.Details of pollution control Systems**

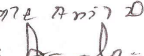
Source	Existing pollution control system	Proposed to be installed
STP	Not applicable	Capacity - 265m3
OWC	Not applicable	Total Area - 75m2

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DG Set	Not applicable	125 KVA (1 No), 82.5 KVA (1 No)
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 55.7 Lakhs
	O & M cost:	Rs. 1.26 Lakhs/Annum

## 51.Environmental Management plan Budgetary Allocation

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

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air	Water For Dust Suppression ,air and noise monitoring	1.97
2	Water	Tanker water for construction, water monitoring	2.02
3	Land	Site Sanitation	2.20
4	Biological	Gardening	8.70
5	Socio-Economic	Safety, First Aid, Health Hygiene Facilities, Disinfection at site, Health Check Up, Crèches for children, Personal Protective Equipment, CFL lamps for labour hutments	7.38

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

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Water	STP	48.21	6.65
2	Rain Water Harvesting	RWH Pits and Piping	16.00	0.50
3	Solid waste	OWC	20.75	3.92
4	Environmental monitoring	--	--	8.68
5	Land	Gardening	39.41	6.30
6	Energy conservation	Solar water heating	58.10	1.30

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

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

## 52.Any Other Information

No Information Available

## 53.Traffic Management

<p>Name - S.D.Aher Designation - Secretary SEAC-III Sign - </p> <p><b>S.D.Aher (Secretary SEAC-III)</b></p>	<p><b>SEAC Meeting No: 64 Meeting Date: March 23, 2018</b></p>	<p><b>Page 8 of 59</b></p>	<p>Name: K. Anil Kale Signature: </p> <p><b>Shri. Anil Kale (Chairman SEAC-III)</b></p>
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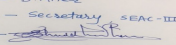
	<b>Nos. of the junction to the main road &amp; design of confluence:</b>	Project will confluent on 12m and 06 wide road
<b>Parking details:</b>	<b>Number and area of basement:</b>	Not applicable
	<b>Number and area of podia:</b>	Not applicable
	<b>Total Parking area:</b>	6,825m <sup>2</sup>
	<b>Area per car:</b>	12.8m <sup>2</sup>
	<b>Area per car:</b>	12.8m <sup>2</sup>
	<b>Number of 2-Wheelers as approved by competent authority:</b>	689
	<b>Number of 4-Wheelers as approved by competent authority:</b>	123
	<b>Public Transport:</b>	Nearest bus stop Wagholi (5km)
	<b>Width of all Internal roads (m):</b>	12m
	<b>CRZ/ RRZ clearance obtain, if any:</b>	Not applicable
	<b>Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries</b>	Not applicable
	<b>Category as per schedule of EIA Notification sheet</b>	8a (B2)
	<b>Court cases pending if any</b>	Not applicable
	<b>Other Relevant Informations</b>	Not applicable
	<b>Have you previously submitted Application online on MOEF Website.</b>	No
	<b>Date of online submission</b>	-

## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorisred in brief information of Project as below.

### Brief information of the project by SEAC

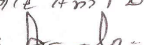
Environment Clearance for New Construction Project Hollyhock City at S. no. 68/3, Lohegaon, Tal- Haveli by **Hollyhock City**.

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## DECISION OF SEAC

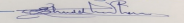
PP stated that the project was already recommended by SEAC-3 committee in its 40<sup>th</sup> meeting, hence committee decided to transfer the project to SEIAA dashboard online.

Specific Conditions by SEAC:

## FINAL RECOMMENDATION

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

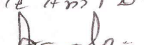
SEAC-AGENDA-0000000058

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

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

**SEAC Meeting No: 64 Meeting Date: March 23, 2018**

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Name: K. Anil Kale  
Signature: 

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

## 64th Meeting of SEAC-3

**SEAC Meeting number: 64 Meeting Date March 23, 2018**

**Subject:** Environment Clearance for Expansion of Residential project

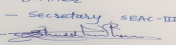
**Is a Violation Case:** No

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

1.Name of Project	"Grandview7
2.Type of institution	Private
3.Name of Project Proponent	M/s Chirag Developers
4.Name of Consultant	M/s. Ultra-Tech (Environmental Consultancy & Laboratory)
5.Type of project	Housing
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes
8.Location of the project	Sr. No. 5/6, Near Ashok Leyland Co, Ambegaon (Bk), Pune-411046
9.Taluka	haveli
10.Village	Ambegaon (Bk)
11.Area of the project	Pune Metropolitan Regional Development Authority
12.IOD/IOA/Concession/Plan Approval Number	Applied for proposed expansion NA order NO.PRH/NA/SR/670/2010.Dt-26.11.2010. NA order No.PRH /NA/SR/739/2013. Dt-12.11.2014 <b>IOD/IOA/Concession/Plan Approval Number:</b> Applied for proposed expansion NA order NO.PRH/NA/SR/670/2010.Dt-26.11.2010. NA order No.PRH /NA/SR/739/2013. Dt-12.11.2014 <b>Approved Built-up Area:</b> 80770.63
13.Note on the initiated work (If applicable)	We have constructed wing A, B, C, D,E,H& Club House 1. As part of previous EC Environment letter No.2009/374/ CR.84/TC.1 dated 31st August, 2010
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	42,500
16.Deductions	Deductions :- (R. P. Road Widening) -3,541.34 m2 Gross plot area - 38,958.66 m2 Deductions (Amenity 15%) - 5,843.80 m2
17.Net Plot area	33,114.86
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 43,025.24 b) Non FSI area (sq. m.): 37745.39 c) Total BUA area (sq. m.): 80770.63
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)	10391.48
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	26.67
21.Estimated cost of the project	1396000000

## 22.Number of buildings & its configuration

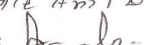
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A	P+7	23.60M
2	B	P+7	23.60M

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Sign - 

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

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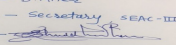
Name: K. Anil Kale  
Signature:   
**Shri. Anil Kale (Chairman SEAC-III)**

3	C	P+7	23.60M
4	D	P+7	23.60M
5	E	P+7	23.60M
6	H	P+9	29.50M
7	CLUB HOUSE	Ground floor	5.32M
8	F	P+14	44.50M
9	G	P+14	44.50M
10	I	P+10	33.05M
11	J	P+14	44.50M
12	K	P+14	44.50M
13	Commercial 1	B+G+9	12.70M
14	Commercial 2	G+1	7.85M
15	Commercial 3	B+G+2	12.70M
16	Commercial 4	G+1	7.85M

<b>23.Number of tenants and shops</b>	Existing Tenements 217 Proposed Tenements - 511 No shops -24, Cultural Hall-4, Library-2, Gymnasium-2, Pathology Lab-2, Dispensary-2
<b>24.Number of expected residents / users</b>	Existing: 1085 Proposed: 2555 Total Residential Users = 3640 Total users of Amenity =244 Total Users = 3884
<b>25.Tenant density per hectare</b>	220
<b>26.Height of the building(s)</b>	
<b>27.Right of way (Width of the road from the nearest fire station to the proposed building(s))</b>	Nearest Fire StationKatraj-& Width of the road from the nearest fire station to the proposed building - 60m wide road of Katraj bypass highway & 24 m wide DP road
<b>28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation</b>	9M
<b>29.Existing structure (s) if any</b>	We have constructed wing A, B, C, DE, H& Club House 1. As part of previous EC Environment letter No.2009/374/ CR.84/TC.1 dated 31st August, 2010
<b>30.Details of the demolition with disposal (If applicable)</b>	Not any

### 31.Production Details

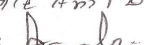
Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

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Sign - 

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

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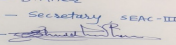
Name: K. Anil Kale  
Signature:   
**Shri. Anil Kale (Chairman SEAC-III)**

### 32.Total Water Requirement

<b>Dry season:</b>	Source of water	PMC
	Fresh water (CMD):	335
	Recycled water - Flushing (CMD):	185
	Recycled water - Gardening (CMD):	60
	Swimming pool make up (Cum):	2
	<b>Total Water Requirement (CMD) :</b>	582
	Fire fighting - Underground water tank(CMD):	600
	Fire fighting - Overhead water tank(CMD):	600
	Excess treated water	100
<b>Wet season:</b>	Source of water	PMC
	Fresh water (CMD):	335
	Recycled water - Flushing (CMD):	185
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	2
	<b>Total Water Requirement (CMD) :</b>	522
	Fire fighting - Underground water tank(CMD):	600
	Fire fighting - Overhead water tank(CMD):	600
	Excess treated water	160
<b>Details of Swimming pool (If any)</b>	• Dimension of Swimming Pool: 12.50m x6.50m X1.20m • Kids Pool: 3.0 m (Dia) X 0.6m • Total water Requirement in KLD:102 • Water requirement for makeup in KLD:2.0	

### 33.Details of Total water consumed

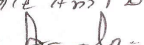
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Water Requirement									
Fresh water requirement	98	237	335	9.8	23.7	33.5	88.2	213.3	301.5
Domestic	49	136	185	0	0	0	49	136	185
Gardening	45	15	60	0	0	0	0	0	0

Name - S.D.Aher  
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<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	88 to 10M
	<b>Size and no of RWH tank(s) and Quantity:</b>	Not Applicable
	<b>Location of the RWH tank(s):</b>	Not Applicable
	<b>Quantity of recharge pits:</b>	24 Nos.
	<b>Size of recharge pits :</b>	2mt X 2mt. X 2m
	<b>Budgetary allocation (Capital cost) :</b>	26.1Lacs
	<b>Budgetary allocation (O &amp; M cost) :</b>	1.30 Lacs
	<b>Details of UGT tanks if any :</b>	Residential Domestic UG tank Capacity(CMD):495 • Flushing UG tank Capacity(CMD):247 • Fire fighting (CMD):600 Commercial: • Domestic UG tank Capacity(CMD):7.74 • Flushing UG tank Capacity(CMD):15.47 • Fire fighting (CMD): Considered in residential
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	S to N
	<b>Quantity of storm water:</b>	12.07 m3/Hr
	<b>Size of SWD:</b>	250-900 mm
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	487
	<b>STP technology:</b>	MBBR
	<b>Capacity of STP (CMD):</b>	177 & 325KL
	<b>Location &amp; area of the STP:</b>	STP-1 : Near C -Wing STP- 2 : Near I -Wing
	<b>Budgetary allocation (Capital cost):</b>	135.48Lacs
	<b>Budgetary allocation (O &amp; M cost):</b>	22.31 Lacs
<b>36.Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	37 kg/day
	<b>Disposal of the construction waste debris:</b>	back filling
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	520 kg/day
	<b>Wet waste:</b>	1212kg/day
	<b>Hazardous waste:</b>	negligible
	<b>Biomedical waste (If applicable):</b>	10kg/day
	<b>STP Sludge (Dry sludge):</b>	100kg/day
	<b>Others if any:</b>	Not any
<b>III)</b>	<b>2018</b>	<b>of 59   SEAC-III)</b>

<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Handed over to authorized recyclers
	<b>Wet waste:</b>	Mechanical composting unit
	<b>Hazardous waste:</b>	Handed over to authorized recyclers
	<b>Biomedical waste (If applicable):</b>	Handed over to authorized recyclers
	<b>STP Sludge (Dry sludge):</b>	Used as Manure
	<b>Others if any:</b>	Not any
<b>Area requirement:</b>	<b>Location(s):</b>	OWC-1 :- Near E -Wing OWC- 2 :- Near J -Wing
	<b>Area for the storage of waste &amp; other material:</b>	20m2
	<b>Area for machinery:</b>	70m2
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	22.95 lacs
	<b>O &amp; M cost:</b>	4.0Lacs

### 37. Effluent Characteristics

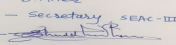
Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	Ph, B	mg/l	7-9	Not applicable	6-7
2	BOD,	mg/l	80-250		= 10
3	COD	mg/l	400-500		= 30
4	TSS	mg/l	80-100		= 10
5	Fical coliform	Nos/100ml	10 rest to 6/100		Nil
6	Total coliform	Nos/100ml	10 rest to 7/100		Nil
Amount of effluent generation (CMD):		20KLD			
Capacity of the ETP:		2 nos x 10-KLD			
Amount of treated effluent recycled :		19			
Amount of water send to the CETP:		0			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		AOP Ozone/UV			
Disposal of the ETP sludge		used as manure			

### 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

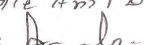
Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	160 KVA	DIESEL	1	3	0.100	522°C
2	100 KVA	DIESEL	1	2	0.100	408°C

Name - S.D.Aher  
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Sign - 

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

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

3	62.5 KVA	DIESEL	1	2	0.100	408°C
4	50 KVA	DIESEL	1	1.5	0.100	408°C
5	35 KVA	DIESEL	1	1.5	0.100	408°C

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

Serial Number	Type of Fuel	Existing	Proposed	Total	
1	DIESEL	DIESEL	DIESEL	DIESEL	
41.Source of Fuel		Authorized dealer			
42.Mode of Transportation of fuel to site		By road			

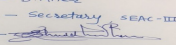
<b>43.Green Belt Development</b>	<b>Total RG area :</b>	3895.86
	<b>No of trees to be cut :</b>	Not any
	<b>Number of trees to be planted :</b>	415
	<b>List of proposed native trees :</b>	415
	<b>Timeline for completion of plantation :</b>	Till the completion of the project

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Ailanthus Excelsa	Maharukh	39	Deciduous tree
2	Azadirachta indica	Neem	34	Deciduous tree
3	Bauhinia racemosa	Apta	34	flower bearing evergreen tree
4	Cassia fistula	Bahava	38	flower bearing Deciduous tree
5	Lagerstromia flos-Regineae	Tamhan	42	flower bearing Deciduous tree
6	Michelia champaca	Son Chafa	35	flower bearing Deciduous tree
7	Magnifera indica	Mango	49	Fruit bearing evergreen tree
8	Acrus sapata	Chickoo	31	Fruit bearing evergreen tree
9	Phyllanthus emblica	Awala	31	flower bearing Deciduous tree
10	Silver oak	Silver oak	8	evergreen palm
11	Samania saman	Rain Tree	8	flower bearing Deciduous tree
12	Khaya	Mohagany	6	flower bearing Deciduous tree
13	Plumeria alba	Chafa	43	flower bearing Deciduous tree
14	Tabebula rosea	Tabebula	6	flower bearing Deciduous tree
15	Delonix regia	Gulmohar	11	flower bearing Deciduous tree
16	Ficus bengalensis	Vad	1	evergreen tree
17	Acaccia catechu	Khair	2	Fruit bearing evergreen tree
18	Coradia sebesina	Bhokar	1	Fruit bearing evergreen tree
19	Shurb-Fox tail palm	Shurb-Fox tail palm	16	evergreen Palm

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

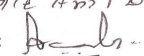
#### 46.Number and list of shrubs and bushes species to be planted in the podium RG:

Name - S.D.Aher  
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Sign - 

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

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



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

### 47. Energy

<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	33 KW
	<b>DG set as Power back-up during construction phase</b>	KVA
	<b>During Operation phase (Connected load):</b>	2383.67 KW
	<b>During Operation phase (Demand load):</b>	1516.98 KVA
	<b>Transformer:</b>	630 KVA - 2 Nos. , 315 KVA - 1 Nos
	<b>DG set as Power back-up during operation phase:</b>	For Residential - 160 KVA. FOR AMENITY AREA - AMENITY 1= 62.5 KVA, AMENITY 2 =40 KVA AMENITY 3=100 KVA, AMENITY 4 = 50 KVA
	<b>Fuel used:</b>	HSD
	<b>Details of high tension line passing through the plot if any:</b>	Yes

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

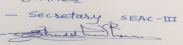
Timers and contactors will be used to switch on / off common area & external landscape and facade lighting  
Light Emitting Diode (LED) will be used for corridors , Lobbies and common areas.  
Energy efficient led lamps which give approx. 30% more light output for the same watts consumed and therefore require less nos. Of fixtures and corresponding lower point wiring costs  
All cables will be derated to avoid heating during use. This also indirectly reduces losses and improves reliability. To achieve

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

Serial Number	Energy Conservation Measures	Saving %
1	Timers and contactors will be used to switch on / off common area & external landscape and facade lighting Light Emitting Diode (LED) will be used for corridors , Lobbies and common areas. Energy efficient led lamps which give approx. 30% more light output for the same watts consumed and therefore require less nos. Of fixtures and corresponding lower point wiring costs All cables will be derated to avoid heating during use. This also indirectly reduces losses and improves reliability. To achieve	25%

### 50. Details of pollution control Systems

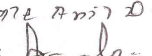
Source	Existing pollution control system	Proposed to be installed
Waste water	STP	STP
Solid waste	OWC	OWC

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

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

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

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	87 Lacs
	<b>O &amp; M cost:</b>	7.5

## 51.Environmental Management plan Budgetary Allocation

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

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water For Dust Suppression Air & Noise monitoring	1.92
2	Water Environment	Tanker water for construction Water monitoring	7.8
3	Land Environment	Site Sanitation Maintenance	5.72
4	Biological Environment	Biological Environment Gardening	3.23
5	Socio- Economic Environment	Disinfection- Pest Control First Aid Facilities Health Check Up Creche for children Personal protective equipment	3.83

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

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Environmental Monitoring	Ambient Air quality, Noise Level, Exhaust from DG Set, Drinking Water, Sewage from STP, As per EP act, Manure	MoEF approved laboratory	20.06
2	RWH	No. of pits	22.5	1.30
3	STP	Waste water treatment	135.48	22.31
4	Electrical	Energy saving	87.0	7.5
5	Swimming pool	Water quality monitoring	18.0	1.02
6	Solid waste	For solid waste treatment	22.95	4.0

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

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

### 52.Any Other Information

<p>Name - S.D.Aher Designation - Secretary SEAC-III Sign - </p> <p><b>S.D.Aher (Secretary SEAC-III)</b></p>	<p><b>SEAC Meeting No: 64 Meeting Date: March 23, 2018</b></p>	<p><b>Page 18 of 59</b></p>	<p>Name:  Signature: </p> <p><b>Shri. Anil Kale (Chairman SEAC-III)</b></p>
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No Information Available

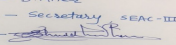
### 53.Traffic Management

	<b>Nos. of the junction to the main road &amp; design of confluence:</b>	Traffic generated from this project will confluent on 12 m wide road.
<b>Parking details:</b>	<b>Number and area of basement:</b>	02 nos, 674.04m <sup>2</sup>
	<b>Number and area of podia:</b>	No of Podia:01 Area of Podia:7703.85
	<b>Total Parking area:</b>	11565.60
	<b>Area per car:</b>	30
	<b>Area per car:</b>	30
	<b>Number of 2-Wheelers as approved by competent authority:</b>	1281
	<b>Number of 4-Wheelers as approved by competent authority:</b>	375
	<b>Public Transport:</b>	Nearest Bus Stop: Ambegaon
	<b>Width of all Internal roads (m):</b>	6m & 7.50m driveways
	<b>CRZ/ RRZ clearance obtain, if any:</b>	Not any
	<b>Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries</b>	Not Applicable
	<b>Category as per schedule of EIA Notification sheet</b>	8(a)
	<b>Court cases pending if any</b>	Not Applicable
	<b>Other Relevant Informations</b>	Not Applicable
	<b>Have you previously submitted Application online on MOEF Website.</b>	No
	<b>Date of online submission</b>	-

## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summarised in brief information of Project as below.

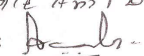
### Brief information of the project by SEAC

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

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

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Signature: 

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

Proposed residential Project at S.No.6/4,6/5,6/6,6/7,6/8,6/12,6/13,6/14 & 6/15, Village Ambegaon (BK), Tehsil Haveli, District Pune.(**Compliance case**)

PP submitted their application for prior Environment Clearance for total plot area of 42500.00 Sq.Mtrs., Total BUA of 80770.63 Sq. Mtrs and FSI area of 43025.24 Sq. Mtrs. PP proposes to construct 11 nos. of residential buildings, having maximum height of 44.50Mtrs, 4 commercial buildings including 24 shops, Four cultural halls, Two libraries, Two pathology laboratories, Two dispensaries and Two gymnasiums.

PP has obtained earlier EC vide letter No. 2009/374/CR - 84 / TC - 1 dated 31.08.2010 for the plot area of 21061.17, BUA of 36783.63 including total 9 buildings out of which five buildings P + 7floors and four buildings P + 9 floors having total 326 tenements. From the drawings submitted by PP it was observed that PP has changed the orientation of building H for which PP has not obtained permission from SEIAA; **SEIAA is requested to look into the same before issuing the Environmental Clearance.**

The case was earlier considered in 19<sup>th</sup> meeting of SEAC - III held from 28<sup>th</sup> to 31<sup>st</sup> October 2014 and 21<sup>st</sup> meeting of SEAC - III held from 18<sup>th</sup> to 21<sup>st</sup> November 2014, when PP remained absent. The case was again considered in the 25<sup>th</sup> meeting of SEAC - III held from 17<sup>th</sup> to 20<sup>th</sup> February 2015 and 33<sup>rd</sup> meeting of SEAC - III held from 8<sup>th</sup> to 11<sup>th</sup> September, 2015

Now the the case 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.

The committee took up the compliance report and other documents submitted by the Project Proponent for examination.

## DECISION OF SEAC

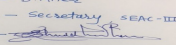
All compliance are found satisfactory

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

**Specific Conditions by SEAC:**

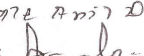
## FINAL RECOMMENDATION

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

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

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

## 64th Meeting of SEAC-3

**SEAC Meeting number: 64 Meeting Date March 23, 2018**

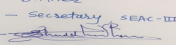
**Subject:** Environment Clearance for Environmental clearance for Proposed Data Center

**Is a Violation Case:** No

1.Name of Project	Proposed Data Center
2.Type of institution	Green Building
3.Name of Project Proponent	Mr.Vidya k Sagar
4.Name of Consultant	M/s. Ultra-Tech (Environmental Consultancy & Laboratory) NABET certificate no: NABET/EIA/1417/SA0011
5.Type of project	Data Center
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Plot No. 13/10A, 28
9.Taluka	Mulshi
10.Village	Hinjewadi
11.Area of the project	MIDC
12.IOD/IOA/Concession/Plan Approval Number	Applied for Sanction IOD/IOA/Concession/Plan Approval Number: Applied for sanction Approved Built-up Area: 26867.12
13.Note on the initiated work (If applicable)	No work is initiated on the proposed project site under consideration for Environment Clearance.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	18981
16.Deductions	0
17.Net Plot area	18981
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 21614.56 b) Non FSI area (sq. m.): 5252.56 c) Total BUA area (sq. m.): 26867.12
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)	7381.83
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	38.89%
21.Estimated cost of the project	5500000000

## 22.Number of buildings & its configuration

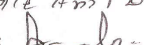
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Data Center Building, 1 number	B+G+4	32.5
2	Office Building, 1 number	G+3	16.2
3	Security Cabin 1, 1 number	G	3.6
4	Security Cabin 2, 1 number	G	3.6
5	GIS Panel Room, 1 number	G	4.0

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

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

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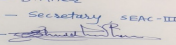
23.Number of tenants and shops	NA
24.Number of expected residents / users	Commercial:360
25.Tenant density per hectare	NA
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	60 m MIDC road from Hinjewadi Fire Station
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Minimum 9 m
29.Existing structure (s) if any	Existing Concrete Structure Dimensions - 43 m x 23 m
30.Details of the demolition with disposal (If applicable)	1600 cum of demolition of existing structure. Concrete Debris will be Segregated & stacked in Designated areas The Concrete debris generated due to the demolition of the existing structure will be used for leveling (if suitable) at project 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

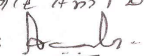
Dry season:	Source of water	MIDC
	Fresh water (CMD):	Domestic:6+HVAC:400= 406
	Recycled water - Flushing (CMD):	11
	Recycled water - Gardening (CMD):	Gardening:10+HVAC:50= 60
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	477
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	Office :10 Data Centre : 20
	Excess treated water	NA

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

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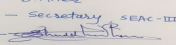
<b>Wet season:</b>	<b>Source of water</b>	MIDC
	<b>Fresh water (CMD):</b>	Domestic:6+HVAC:400=406
	<b>Recycled water - Flushing (CMD):</b>	11
	<b>Recycled water - Gardening (CMD):</b>	Gardening 0+ HVAC :50=50
	<b>Swimming pool make up (Cum):</b>	NA
	<b>Total Water Requirement (CMD) :</b>	467
	<b>Fire fighting - Underground water tank(CMD):</b>	200
	<b>Fire fighting - Overhead water tank(CMD):</b>	Office :10 Data Centre : 20
	<b>Excess treated water</b>	NA

**Details of Swimming pool (If any)**

NA

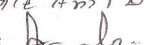
**33.Details of Total water consumed**

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	0	11	11	0	1	1	0	10	10
Fresh water requirement	0	6	6	0	1	1	0	1	1
Gardening	0	10	10	0	10	10	0	0	0
Cooling tower & thermopack	0	450	450	0	385	385	0	65	65

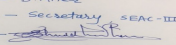
Name - S.D.Aher  
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**S.D.Aher (Secretary SEAC-III)**

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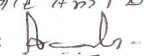
<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	4-6 m BGL
	<b>Size and no of RWH tank(s) and Quantity:</b>	1 RWH tank having 140 m3 capacity
	<b>Location of the RWH tank(s):</b>	As per services layout
	<b>Quantity of recharge pits:</b>	NA
	<b>Size of recharge pits :</b>	NA
	<b>Budgetary allocation (Capital cost) :</b>	Rs. 60 Lakhs
	<b>Budgetary allocation (O &amp; M cost) :</b>	Rs. 2 Lakhs/annum
	<b>Details of UGT tanks if any :</b>	Fresh Water Tank : 450 Cum Fire Fighting Tank : 200 Cum
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	From North to south
	<b>Quantity of storm water:</b>	0.423 m3/sec
	<b>Size of SWD:</b>	1000 mm (W) x 750(D) mm
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	Sewage : 15 KLD HVAC Blowdown : 65 KLD RO Reject : 23 KLD
	<b>STP technology:</b>	Sewage : Packaged STP based on Ultrafiltration System HVAC Blowdown : RO Followed by MEE RO Reject : MEE
	<b>Capacity of STP (CMD):</b>	1. STP : 17 KL 2.RO : Three Stages of RO ,RO Stage 1 : 400 KLD RO Stage 2 :120 KLD RO Stage 3 : 56 KLD 3. MEE : 30 KLD
	<b>Location &amp; area of the STP:</b>	As per the services Layout
	<b>Budgetary allocation (Capital cost):</b>	Rs. 8 Lakhs
	<b>Budgetary allocation (O &amp; M cost):</b>	Rs. 0.5 Lakhs/annum
<b>36.Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	15 Kg
	<b>Disposal of the construction waste debris:</b>	This material will be used for back filling and leveling of the plot and remaining will be disposed to authorized sites.
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	9 kg/day
	<b>Wet waste:</b>	6 kg/day
	<b>Hazardous waste:</b>	Salt generated from MEE : 5 Cum/day
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	2 Kg /day
	<b>Others if any:</b>	E-waste:1800 tonnes after five years of project cycle

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<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Will be disposed off from site through external agency on daily basis.
	<b>Wet waste:</b>	Shall be treated in Vermi Composting Pits
	<b>Hazardous waste:</b>	Salt generated from MEE :Shall be disposed to Common Hazardous Waste Management & Disposal Facility.
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	Will be used as manure for landscaping
	<b>Others if any:</b>	E-waste:will be handled by authorized E-waste management partner
<b>Area requirement:</b>	<b>Location(s):</b>	As per the services layout.
	<b>Area for the storage of waste &amp; other material:</b>	64 m2
	<b>Area for machinery:</b>	NA
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Vermi Composting : 0.16 Lakhs
	<b>O &amp; M cost:</b>	Vermi Composting :0.03 Lakhs E Waste : 0.63 Lakhs after five years of project cycle

### 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	Spent Oil	5.1	Cum/day	Not applicable	50ml/day/DG set	50ml/day/DG set	Will be handed over to authorised vendor
2	Salt generated from MEE	37.3	Cum/day	Not applicable	5	5	Shall be disposed to Common Hazardous Waste Management & Disposal Facility

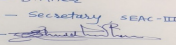
### 39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	DG set	Diesel 480 lit/hr/HT DG set/Not applicable	32	30	0.6	300-400 degree C

### 40.Details of Fuel to be used

Name - S.D.Aher Designation - Secretary SEAC-III Sign  <b>S.D.Aher (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 64 Meeting Date: March 23, 2018</b>	Page 25 of 59	Name: K. Anil Kale Signature:  <b>Shri. Anil Kale (Chairman SEAC-III)</b>
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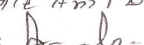
Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel	NA	480 lit/hr/HT DG set	17,280 lit/hr
41.Source of Fuel		Authorized Vendor		
42.Mode of Transportation of fuel to site		By Road		
<b>43.Green Belt Development</b>	<b>Total RG area :</b>	2958.70		
	<b>No of trees to be cut :</b>	NA		
	<b>Number of trees to be planted :</b>	237		
	<b>List of proposed native trees :</b>	As mentioned in the list below		
	<b>Timeline for completion of plantation :</b>	Till the completion of the project.		
<b>44.Number and list of trees species to be planted in the ground</b>				
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Mangifera indica	Mango Tree	15	Shady tree. Noise reduction tree. Bird attractive tree.
2	Saraca asoca	Ashoka Tree	18	Evergreen medicinal plant
3	Syzygium cumini	Jamun Tree	28	Fruit bearing and birds attracting tree
4	Plumeria acutifolia	Champa Tree	19	Evergreen flower bearing plant, ornamental.
5	Polyalthia longifolia	Ashoka Tree	154	evergreen tree, native to India, commonly planted due to its effectiveness in alleviating noise pollution
6	Total	--	237	--
<b>45.Total quantity of plants on ground</b>				
<b>46.Number and list of shrubs and bushes species to be planted in the podium RG:</b>				
Serial Number	Name	C/C Distance	Area m2	
1	Cassia tora - 17	Avg. 2.6	66	
2	Ziziphusmauritiana- 11	Avg. 2.6	73	
3	Stachytarpheta sp-17	Avg. 2.6	63	
<b>47.Energy</b>				

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

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<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	186 kW
	<b>DG set as Power back-up during construction phase</b>	1 No. of 320kVA Mobile DG
	<b>During Operation phase (Connected load):</b>	37.8 MV
	<b>During Operation phase (Demand load):</b>	29.5 MV
	<b>Transformer:</b>	2 Nos. - 40 MVA Each
	<b>DG set as Power back-up during operation phase:</b>	HT DG Sets : 2250 kVA each: 32 nos.
	<b>Fuel used:</b>	HSD
	<b>Details of high tension line passing through the plot if any:</b>	NA

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

Energy saving by non-conventional method

Lighting:

Interior Lighting:

1. LED Light are considered
2. LPD 0.6 W/Sq.ft
3. Occupancy Sensor for Server area and toilet areas

Exterior Lighting:

1. LED Lighting are considered
2. Timer Based automated control system are considered.

HVAC:

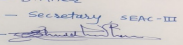
1. High Efficient Chiller Meeting with ASHRAE Regulation.
2. VFD Driven Air cooled Chiller

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

Serial Number	Energy Conservation Measures	Saving %
1	Lighting : Interior Lighting : 1. LED Light are considered 2. LPD 0.6 W/Sq.ft 3. Occupancy Sensor for Server area and toilet areas	730917 kwhr 36.7%
2	Exterior Lighting: 1. LED Lighting are considered 2. Timer Based automated control system are considered.	11136 kwhr 25.3%
3	HVAC: 1. High Efficient Chiller Meeting with ASHRAE Regulation. 2. VFD Driven Air cooled Chiller	10% Saving
4	Solar PV Panel	0.05% 296819 KWhr

#### 50. Details of pollution control Systems

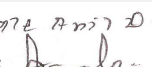

Source	Existing pollution control system	Proposed to be installed
STP	NA	17 m3
DG sets	NA	32 Nos. of Stacks - of DG Set with height 30 m each

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<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs 564 lakhs/annum
	<b>O &amp; M cost:</b>	Rs 5.64 lakhs/annum

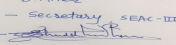
## 51.Environmental Management plan Budgetary Allocation

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

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Environmental monitoring	PM10, PM2.5, SO2, NOx, CO, Equivalent noise level, Analysis of water for physical, chemical, biological parameters.	24.38
2	Air Environment	Water For Dust Suppression	2.5
3	Air Environment	Air & Noise monitoring	1.94
4	Water Environment	Tanker water for construction	21.0
5	Water Environment	Water monitoring	0.60
6	Land Environment	Site Sanitation	19
7	Land Environment	Gardening	0.5
8	Socio- Economic Environment	Disinfection- Pest Control	5.0
9	Socio- Economic Environment	First Aid Facilities	7.0
10	Socio- Economic Environment	Health Check Up	9.0
11	Socio- Economic Environment	Personal protective equipment	62.0
12	--	Total	152.92

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

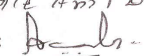
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Environmental Monitoring	Ambient Air quality, Noise Level, Exhaust from DG Set, Drinking Water, Sewage from STP, As per EP act, Manure	NA	25.08
2	Water	RWH	60	2.0
3	Water	STP	8.0	0.5
4	Energy	Solar PV Cells	190	20.0
5	Land Environment	Gardening	42	12.0
6	Solid waste	Solid waste management	16	1.0
7	Solid waste	E-waste management	NA	0.63 after 5 years of project cycle
8	RO	Water from MIDC	70	29.5
9	MEE	RO reject	200	91.25
10	Total	--	586	151.62

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

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

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

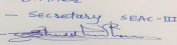
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Diesel	Shall be stored in Tanks	In HSD yard	6 Nos. 45 KLD : 240 Cum	240 in Cum	408 ( Considered as 23 hrs EB supply is available)	Local Vendors	By Road

## 52.Any Other Information

No Information Available

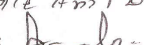
## 53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Single
Parking details:	Number and area of basement:	1 no of Basement having area 424 sqm
	Number and area of podia:	NA
	Total Parking area:	Open : 1290 sqm
	Area per car:	25 sqm
	Area per car:	25 sqm
	Number of 2-Wheelers as approved by competent authority:	16
	Number of 4-Wheelers as approved by competent authority:	161
	Public Transport:	NA
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8a(B)

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

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	<b>Court cases pending if any</b>	No
	<b>Other Relevant Informations</b>	--
	<b>Have you previously submitted Application online on MOEF Website.</b>	Yes
	<b>Date of online submission</b>	01-01-1900

## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

### Brief information of the project by SEAC

Environmental clearance for Proposed Data Center Plot No. 13/10A, 28, Hinjewadi Tal-Mulshi Dist-Pune.

### DECISION OF SEAC

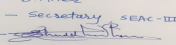
**PP stated that the have obtained the EC from local Authority and request committee to delist the project from SEAC-3 dashboard. Hence the committee decided to delist the proposal.**

**Specific Conditions by SEAC:**

### FINAL RECOMMENDATION

Kindly find SEAC decision above.

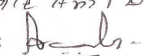
SEAC-AGENDA/2000/2005/8

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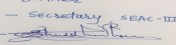
## 64th Meeting of SEAC-3

**SEAC Meeting number: 64 Meeting Date March 23, 2018**

**Subject:** Environment Clearance for Environment Clearance for "Modernization, Retrofitting, Augmentation and Expansion of Mall Wing of Existing Commercial Building into IT/ITES Offices" at S.No. 206-A/1, 206B, 206C, 206D, 206E, 217/2, Final plot no. 88 & Sub plot no. 04, Pune Nagar Road, Yerwada, Pune by M/s. Regal Buildtech Pvt. Ltd, GCPL and IHHR.

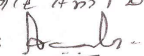
**Is a Violation Case:** No

<b>1.Name of Project</b>	"Modernization, Retrofitting, Augmentation and Expansion of Mall Wing of Existing Commercial Building into IT/ITES Offices" at S.No. 206-A/1, 206B, 206C, 206D, 206E, 217/2, Final plot no. 88 & Sub plot no. 04, Pune Nagar Road, Yerwada, Pune by M/s. Regal Buildtech Pvt. Ltd, GCPL and IHHR.
<b>2.Type of institution</b>	Private
<b>3.Name of Project Proponent</b>	M/s. Regal Buildtech Pvt. Ltd., GCPL and IHHR.
<b>4.Name of Consultant</b>	VK environmental LLP
<b>5.Type of project</b>	Others (IT/ITES Offices)
<b>6.New project/expansion in existing project/modernization/diversification in existing project</b>	Expansion in existing project and modernization and conversion of existing mall in to IT/ITES-commercial building
<b>7.If expansion/diversification, whether environmental clearance has been obtained for existing project</b>	Yes (EC vide no .21-757/006.IA.III dated 24.7.2007)
<b>8.Location of the project</b>	S.No. 206-A/1, 206B, 206C, 206D, 206E, 217/2, Final plot no. 88 & Sub plot no. 04, Pune Nagar Road, Yerwada, Pune, Maharashtra.
<b>9.Taluka</b>	Haweli
<b>10.Village</b>	Yerwada
<b>Correspondence Name:</b>	Sanjiv Trehon / Nipun Jain
<b>Room Number:</b>	48/2
<b>Floor:</b>	NA
<b>Building Name:</b>	Commercial Centre
<b>Road/Street Name:</b>	Malcha Marg
<b>Locality:</b>	Chanakyapuri
<b>City:</b>	New Delhi
<b>11.Area of the project</b>	Pune Municipal Corporation
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	Project already built in 2010. The expansion plans for modernization, retrofitting, augmentation and expansion are already applied for in Pune Municipal Corporation <b>IOD/IOA/Concession/Plan Approval Number:</b> Already applied for plans revision to Pune Municipal Corporation( earlier approved - cc/096/2015 dated 29.06.2015) <b>Approved Built-up Area:</b> 28983
<b>13.Note on the initiated work (If applicable)</b>	work was completed as earlier EC granted. Modernization and expansion will be initiated after getting approval from Authority.
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	Already applied for plans revision to Pune Municipal Corporation( earlier approved - cc/096/2015 dated 29.06.2015
<b>15.Total Plot Area (sq. m.)</b>	25168
<b>16.Deductions</b>	4643
<b>17.Net Plot area</b>	20524
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	a) FSI area (sq. m.): 40838 b) Non FSI area (sq. m.): 44229 c) Total BUA area (sq. m.): 85067
<b>18 (b).Approved Built up area as per DCR</b>	Approved FSI area (sq. m.): 28983 Approved Non FSI area (sq. m.): 41377 Date of Approval: 29-06-2015
<b>19.Total ground coverage (m2)</b>	10400

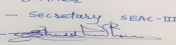
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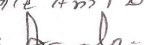
20. Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	51			
21. Estimated cost of the project	350000000			
<b>22. Number of buildings &amp; its configuration</b>				
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)	
1	Hotel and Office	Hotel wing is 2 B + LG + G + 7 + service + Mezzanine and Commercial Mall Wing is 2B + LG + GF + 3	33.00 mt (Hotel wing) and 20.00 mt (Commercial mall wing)	
23. Number of tenants and shops	No of rooms in Hotel: 209 rooms no of offices -20 approx			
24. Number of expected residents / users	Hotel 400 and Office 4000			
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))	60 mts			
28. Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 mts			
29. Existing structure (s) if any	An existing building of hotel and mall exists on the site. Hotel wing of the building continues to operate, while Mall wing of the building has been closed down and will now be converted into Offices.			
30. Details of the demolition with disposal (If applicable)	Demolition of 2000 sqm of existing area in Mall Building will be done.			
<b>31. Production Details</b>				
Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	NA	NA	NA	NA
<b>32. Total Water Requirement</b>				

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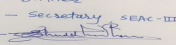
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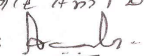
<b>Dry season:</b>	<b>Source of water</b>	Pune Municipal Corporation / water tankers							
	<b>Fresh water (CMD):</b>	Hotel Wing: 97 KLD & Proposed Office Wing: 100 KLD							
	<b>Recycled water - Flushing (CMD):</b>	Hotel Wing: 41KLD & Proposed Office Wing: 98 KLD							
	<b>Recycled water - Gardening (CMD):</b>	Hotel Wing: 3 KLD & Proposed Office Wing: 10 KLD							
	<b>Swimming pool make up (Cum):</b>	5-6 KLD							
	<b>Total Water Requirement (CMD) :</b>	Hotel Wing: 201 KLD & Proposed Office Wing: 323 KLD							
	<b>Fire fighting - Underground water tank(CMD):</b>	Hotel: 400,000 liters; Office: 20,000 liters							
	<b>Fire fighting - Overhead water tank(CMD):</b>	Hotel: 100,000 liters; Office: 30,000 liters							
	<b>Excess treated water</b>	HVAC water requirement will be met from recycled water in an attempt to achieve zero liquid discharge.							
<b>Wet season:</b>	<b>Source of water</b>	Pune Municipal Corporation / water tankers							
	<b>Fresh water (CMD):</b>	Hotel Wing: 97 KLD & Proposed Office Wing: 100 KLD							
	<b>Recycled water - Flushing (CMD):</b>	Hotel Wing: 41KLD & Proposed Office Wing: 98 KLD							
	<b>Recycled water - Gardening (CMD):</b>	Hotel Wing: 3 KLD & Proposed Office Wing: 0 KLD							
	<b>Swimming pool make up (Cum):</b>	2-3 KLD							
	<b>Total Water Requirement (CMD) :</b>	Hotel Wing: 201 KLD & Proposed Office Wing: 313 KLD							
	<b>Fire fighting - Underground water tank(CMD):</b>	Hotel: 400,000 liters; Office: 20,000 liters							
	<b>Fire fighting - Overhead water tank(CMD):</b>	Hotel: 100,000 liters; Office: 30,000 liters							
	<b>Excess treated water</b>	HVAC water requirement will be met from recycled water in an attempt to achieve zero liquid discharge.							
<b>Details of Swimming pool (If any)</b>	25 mts x 9 mts average dimension [Hotel Wing]								
<b>33.Details of Total water consumed</b>									
<b>Particulars</b>	<b>Consumption (CMD)</b>			<b>Loss (CMD)</b>			<b>Effluent (CMD)</b>		
<b>Water Requirement</b>	<b>Existing</b>	<b>Proposed</b>	<b>Total</b>	<b>Existing</b>	<b>Proposed</b>	<b>Total</b>	<b>Existing</b>	<b>Proposed</b>	<b>Total</b>
Domestic	351	524	524	0	0	0	0	0	0

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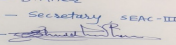
<b>34. Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	23 m
	<b>Size and no of RWH tank(s) and Quantity:</b>	5 (For Hotel: 3 (Existing) & Office: 2 (Proposed)) Size - 1x1x1 m
	<b>Location of the RWH tank(s):</b>	South side of the plot
	<b>Quantity of recharge pits:</b>	25 cum
	<b>Size of recharge pits :</b>	Size - 1x1x1 m
	<b>Budgetary allocation (Capital cost) :</b>	Rs 5.0 Lacs
	<b>Budgetary allocation (O &amp; M cost) :</b>	Rs 50,000 per year
	<b>Details of UGT tanks if any :</b>	45,000 liters x 1 50,000 liters x 1 45,000 liters x 2 1,02,000 liters x 2

<b>35. Storm water drainage</b>	<b>Natural water drainage pattern:</b>	Overflow/surplus water from the recharge pit will be discharged into storm water drainage
	<b>Quantity of storm water:</b>	NA
	<b>Size of SWD:</b>	450 mm

<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	Waste water from Hotel :119 KLD waste water from proposed office 185 KLD
	<b>STP technology:</b>	Hotel Wing: MBBR and Mall / Office Wing: SMBR
	<b>Capacity of STP (CMD):</b>	For Hotel: 230 KLD (existing). For Proposed Office wing Existing STP of 115 KLD capacity will be enhanced to 185 KLD
	<b>Location &amp; area of the STP:</b>	Basement (already existing on site)
	<b>Budgetary allocation (Capital cost):</b>	1300000
	<b>Budgetary allocation (O &amp; M cost):</b>	1200000

### 36. Solid waste Management

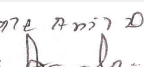

<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	During the construction, around 2000 sq. mt. area will be demolished
	<b>Disposal of the construction waste debris:</b>	Will be disposed to government approved C&D site.
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	Existing for Hotel :35 Kg/day and Proposed for Office: 600 kg/day
	<b>Wet waste:</b>	Existing for Hotel: 65 Kg/day and Proposed for Office: 400 kg/day approx.
	<b>Hazardous waste:</b>	used oil -82 l/month
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	Existing for hotel 4-5 kg/ day and for proposed office 30 kg/ day
	<b>Others if any:</b>	E-waste- 4-6 kg/day

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<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Collected by Swachh collection agency and recycled at their end
	<b>Wet waste:</b>	OWC for Hotel Wing already exist on site. An additional OWC for Office Wing will be installed for treatment and disposal.
	<b>Hazardous waste:</b>	sale to MPCB authorised vendor
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	Collected by Govt approved authorised contractor and distributed free of cost for farming or Used as manure in green belt
	<b>Others if any:</b>	E waste will be given to Swachh
<b>Area requirement:</b>	<b>Location(s):</b>	basements
	<b>Area for the storage of waste &amp; other material:</b>	1000 Sq. Ft.
	<b>Area for machinery:</b>	1000 Sq. Ft.
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	1200000
	<b>O &amp; M cost:</b>	360000

### 37. Effluent Characteristics

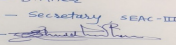
Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	NA	NA	NA	NA	NA
Amount of effluent generation (CMD):		NA			
Capacity of the ETP:		NA			
Amount of treated effluent recycled :		NA			
Amount of water send to the CETP:		NA			
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	Used oil from DG sets	5.1	liters / month	82	100	100	Handover to MPCB authorized recycler

### 39. Stacks emission Details

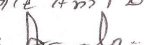
Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	The Project is supplied electricity through MSEB through two express feeders which in turn has tremendously reduced the need of DGs. However, in case of any breakdown, DG sets are used (6 numbers already installed on site).	Diesel (Existing 1,700 liters per month; Proposed 4,000 liters per month) - These are estimated values based on various assumptions, the actual quantities will completely depend on the power failure hours.	6	6 mts above roof level	400 mm	475

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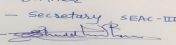
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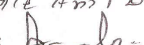
40.Details of Fuel to be used				
Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel	1700 liters per month	4000 liters per month (These are estimated values based on various assumptions, the actual quantities will completely depend on the power failure hours.)	4000 liters per month (These are estimated values based on various assumptions, the actual quantities will completely depend on the power failure hours.)
41.Source of Fuel		Nearby authorised Petrol Pump		
42.Mode of Transportation of fuel to site		Barrels		
<b>43.Green Belt Development</b>				
		<b>Total RG area :</b>	2290	
		<b>No of trees to be cut :</b>	12 trees to be transplanted	
		<b>Number of trees to be planted :</b>	Already adequate trees exist on site. 36 additional trees will be planted as compensatory trees for transplanted trees.	
		<b>List of proposed native trees :</b>	As per below list	
		<b>Timeline for completion of plantation :</b>	12-24 months from the transplantation	
<b>44.Number and list of trees species to be planted in the ground</b>				
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadiracta indica	Neem	7	A medium to large size hardy tree which stand in drought conditions. Attain a much larger size in dry regions.
2	Saraca indica	Sita ashoka	6	A small to medium evergreen tree with orange flowers.
3	Ficus benjamina	Weeping fig	6	Medium size evergreen tree. It can resist in drought conditions.
4	Millingtonia hortensis	Indian cork tree	5	A columnar, evergreen tree, grows well in both dry and moist regions. Ornamental value
5	Polyalthis longifolia	Ashoka	8	Large evergreen tree. Commonly planusted due to its effectiveness in reducing noise pollution.
6	Pongamia pinnata	Pongamia pinnata	4	Large deciduous tree. Good for preventing soil erosion.
45.Total quantity of plants on ground				
<b>46.Number and list of shrubs and bushes species to be planted in the podium RG:</b>				
Serial Number	Name	C/C Distance	Area m2	
1	NA	NA	NA	
<b>47.Energy</b>				

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<b>Power requirement:</b>	<b>Source of power supply :</b>	Maharashtra State Electricity Distribution Company Limited
	<b>During Construction Phase: (Demand Load)</b>	existing power connection will be used
	<b>DG set as Power back-up during construction phase</b>	existing DG set will be used
	<b>During Operation phase (Connected load):</b>	2673 KW- Hotel & 4466 KW- office
	<b>During Operation phase (Demand load):</b>	2034 KW- Hotel & 3290 KW- office
	<b>Transformer:</b>	Existing 2000 KVx2Nos.+1x2000kVA as back up (already installed at site).
	<b>DG set as Power back-up during operation phase:</b>	The Project is supplied electricity through MSEB through two express feeders which in turn has tremendously reduced the need of DGs. However, in case of any breakdown, DG sets will be used (6 numbers are already installed on the site - Hotel (2), Office (4)).
	<b>Fuel used:</b>	Diesel
	<b>Details of high tension line passing through the plot if any:</b>	no HT line passing through the plot

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

Solar for street lighting for proposed office wing

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

Serial Number	Energy Conservation Measures	Saving %
1	solar generation	10%

#### 50. Details of pollution control Systems

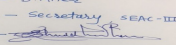
Source	Existing pollution control system	Proposed to be installed
waste water	STP Installed	Existing STP of 115 kld capacity is already installed. Existing STP will be enhanced to 185 kld
food waste	Organic waste converter	Organic waste converter - one exist for the Hotel Wing and one more will be installed for the Office Wing

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	500000
	<b>O &amp; M cost:</b>	10000

### 51. Environmental Management plan Budgetary Allocation

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

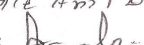
Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	water spray of dust suppression	NA	2

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2	environment Monitoring as per CPCB guidelines through MoEF app. laboratory	PM2.5, NOX, SO2,CO	1.5
3	potable water supply for labour	NA	1
4	Health check ups	NA	1
5	Labour safety equipment and training	NA	2

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

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	OWC	OWC	12	3.6
2	STP	Enhancement of 115 KLD to 185 KLD	13	12
3	Acoustic Treatment	existing enclosed DG Sets	0	1.0
4	Rain water harvesting	2 pits	5	0.5
5	Dg Set Air emission	existing stack	0	1.0
6	Tree plantation	NA	5.7	0.45
7	Environment monitoring	NA	0	0.84

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

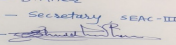
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
NA	NA	NA	NA	NA	NA	NA	NA

**52.Any Other Information**

No Information Available

**53.Traffic Management**

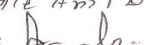
Nos. of the junction to the main road & design of confluence:	4
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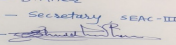
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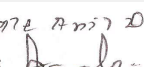

<b>Parking details:</b>	<b>Number and area of basement:</b>	2 no of basement with combined area of 22,868 sqm for Hotel + Office Wing
	<b>Number and area of podia:</b>	not applicable
	<b>Total Parking area:</b>	14000
	<b>Area per car:</b>	15
	<b>Area per car:</b>	15
	<b>Number of 2-Wheelers as approved by competent authority:</b>	Hotel= 854 & Office= 647
	<b>Number of 4-Wheelers as approved by competent authority:</b>	Hotel= 337& Office= 324
	<b>Public Transport:</b>	BRTS station is in front of the property and metro station is planned at walking distance of 400 meters from the property
	<b>Width of all Internal roads (m):</b>	7.5
	<b>CRZ/ RRZ clearance obtain, if any:</b>	NA
	<b>Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries</b>	0.250 km
	<b>Category as per schedule of EIA Notification sheet</b>	8(a) B2 category
	<b>Court cases pending if any</b>	no court case pending
	<b>Other Relevant Informations</b>	<p>ALL AREAS ARE IN SQ MT IN THE CONSOLIDATED STATEMENT, UNLESS OTHERWISE MENTIONED.</p> <p>IN POINT NUMBER 18 AND 19 OF THE CONSOLIDATED STATEMENT:          FSI AREA IS THE PROPOSED FSI AREA: 40,838 SQ MT          NON FSI AREA IS THE PROPOSED NON FSI AREA: 44,229 SQ MT</p> <p>IN POINT NUMBER 18 AND 19 OF THE CONSOLIDATED STATEMENT:          Approved Non FSI area as per DCR (m2): 41377 sq mt (includes existing basements)</p> <p>IN POINT NUMBER 34 OF THE CONSOLIDATED STATEMENT, THE BREAK UP IS AS FOLLOWS:          EXISTING: Hotel (201) + Mall (150) [includes for all purposes]          PROPOSED: Hotel (201) + Office (323) [includes for all purposes]          TOTAL: Hotel (201) + Office (323) [includes for all purposes]</p>
	<b>Have you previously submitted Application online on MOEF Website.</b>	Yes
	<b>Date of online submission</b>	27-02-2017

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## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summarised in brief information of Project as below.

### Brief information of the project by SEAC

Environment Clearance for "Modernization & Retrofitting of Existing Mall and Hotel Complex" at S.No. 206-A/1, 206B, 206C, 206D, 206E, 217/2, Final plot no. 88 & Sub plot no. 04, Pune Nagar Road, Yerwada, Pune. (New Case)

PP submitted their application for prior Environment Clearance for total plot area of 25,168.26 Sq. Mtrs, BUA of 78,801.42 Sq. Mtrs and FSI area of 37,282.25 Sq. Mtrs. PP proposes to construct 3 nos. of hotel & office buildings having maximum height of 30.00 Mtrs.

During the meeting committee noted that PP had earlier environment clearance dated 24.07.2007 to the project ,now PP applied for modernization in earlier project. 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 78,801.42 Sq.Mtrs. and project falls under jurisdiction of Pune Municipal Corporation in Pune Division. Therefore, Committee decided to defer the project as per order dated 07/07/2017 of MOEF&CC.

Now PP submitted their application for prior Environmental clearance for total plot area of 25168.26 Sq. Mtrs, BUA of 78801.42 Sq. Mtrs and FSI area of 37282.25 Sq. Mtrs. PP proposes to construct 3 nos. of Hotel and Office buildings. The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8 (a) B2.

### DECISION OF SEAC

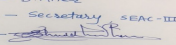
**SEAC decided to recommend the proposal for prior environmental Clearance, subject to PP complying with the following conditions.**

#### Specific Conditions by SEAC:

- 1) PP to submit undertaking for sustainable water supply.
- 2) PP to submit IOD documents for proposed changes.
- 3) PP to avoid stack parking.
- 4) PP to avoid saptapadi tree. Committee suggests planting another local tree species.
- 5) PP to upload geohydrological report.

### FINAL RECOMMENDATION

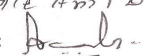
SEAC-III have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions

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

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## 64th Meeting of SEAC-3

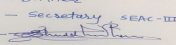
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**Subject:** Environment Clearance for Proposed IT Park

**Is a Violation Case:** No

<b>1.Name of Project</b>	Panchshil IT Park
<b>2.Type of institution</b>	Private
<b>3.Name of Project Proponent</b>	Panchshil Techpark Pvt Ltd
<b>4.Name of Consultant</b>	M/s. Ultra-Tech (Environmental Consultancy & Laboratory) NABET certificate no: NABET/EIA/1417/SA0011
<b>5.Type of project</b>	IT Park
<b>6.New project/expansion in existing project/modernization/diversification in existing project</b>	New
<b>7.If expansion/diversification, whether environmental clearance has been obtained for existing project</b>	Not applicable
<b>8.Location of the project</b>	Survey No 206/2, CTS No 78 to 85
<b>9.Taluka</b>	Haveli
<b>10.Village</b>	Lohegaon
<b>Correspondence Name:</b>	Mr. Anand Sanghavi
<b>Room Number:</b>	Tech Park One, Tower "E"
<b>Floor:</b>	4th Floor
<b>Building Name:</b>	Tech Park One
<b>Road/Street Name:</b>	Off Airport Road
<b>Locality:</b>	Yerwada
<b>City:</b>	Pune
<b>11.Area of the project</b>	Pune Municipal Corporation
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	Applied
	<b>IOD/IOA/Concession/Plan Approval Number:</b> Applied
	<b>Approved Built-up Area:</b> 142546.52
<b>13.Note on the initiated work (If applicable)</b>	No work is initiated on site under consideration for environment clearance.
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	Applied to Pune Municipal Corporation
<b>15.Total Plot Area (sq. m.)</b>	23,900.00 sqm
<b>16.Deductions</b>	0
<b>17.Net Plot area</b>	19,990.30 sqm
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> 74982.59
	<b>b) Non FSI area (sq. m.):</b> 67563.93
	<b>c) Total BUA area (sq. m.):</b> 142546.52
<b>18 (b).Approved Built up area as per DCR</b>	<b>Approved FSI area (sq. m.):</b>
	<b>Approved Non FSI area (sq. m.):</b>
	<b>Date of Approval:</b>
<b>19.Total ground coverage (m2)</b>	3996.06
<b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>	20%
<b>21.Estimated cost of the project</b>	5237000000

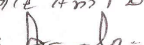
## 22.Number of buildings & its configuration

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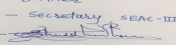
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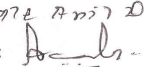
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)	
1	Tower A (01)	(B3+B2+B1+GR+9 floors)	39.95	
2	Tower B (01)	(B3+B2+B1+GR+9 floors)	39.95	
<b>23.Number of tenants and shops</b>	Tenements: Not Applicable Shops: Not Applicable Offices:36			
<b>24.Number of expected residents / users</b>	Residents: Not Applicable Users:10,282			
<b>25.Tenant density per hectare</b>	0			
<b>26.Height of the building(s)</b>				
<b>27.Right of way (Width of the road from the nearest fire station to the proposed building(s))</b>	Nearest Fire Station: Yerwada Fire Station: 4 Km &Width of the road from the nearest fire station to the proposed building 20 m.			
<b>28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation</b>	Turning radius for easy access of fire tender movement from all around the building is min 9 m			
<b>29.Existing structure (s) if any</b>	Temporary shed			
<b>30.Details of the demolition with disposal (If applicable)</b>	--			
<b>31.Production Details</b>				
Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable
<b>32.Total Water Requirement</b>				

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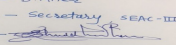
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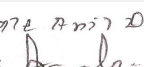

Dry season:	Source of water	Pune Municipal Corporation								
	Fresh water (CMD):	257								
	Recycled water - Flushing (CMD):	206								
	Recycled water - Gardening (CMD):	50								
	Swimming pool make up (Cum):	0								
	Total Water Requirement (CMD) :	513								
	Fire fighting - Underground water tank(CMD):	300								
	Fire fighting - Overhead water tank(CMD):	160								
	Excess treated water	167								
Wet season:	Source of water	Pune Municipal Corporation								
	Fresh water (CMD):	257								
	Recycled water - Flushing (CMD):	206								
	Recycled water - Gardening (CMD):	0								
	Swimming pool make up (Cum):	0								
	Total Water Requirement (CMD) :	463								
	Fire fighting - Underground water tank(CMD):	300								
	Fire fighting - Overhead water tank(CMD):	160								
	Excess treated water	217								
Details of Swimming pool (If any)	NA									
<b>33.Details of Total water consumed</b>										
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)			
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total	
Domestic	0	206	206	0	21	21	0	185	185	
Fresh water requirement	0	257	257	0	26	26	0	231	231	

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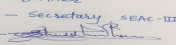
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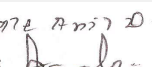

<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	Average 50-60m BGL
	<b>Size and no of RWH tank(s) and Quantity:</b>	NA
	<b>Location of the RWH tank(s):</b>	NA
	<b>Quantity of recharge pits:</b>	19
	<b>Size of recharge pits :</b>	2.0 x 2.0 x 1.75 m
	<b>Budgetary allocation (Capital cost) :</b>	10 lakhs
	<b>Budgetary allocation (O &amp; M cost) :</b>	1 Lakh
	<b>Details of UGT tanks if any :</b>	NA
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	South-East to North-West
	<b>Quantity of storm water:</b>	33.49 Cum/Min
	<b>Size of SWD:</b>	600mm dia.-2 pipes
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	400
	<b>STP technology:</b>	Fluidized Aerobic Bio Reactors (FAB)
	<b>Capacity of STP (CMD):</b>	500 KL
	<b>Location &amp; area of the STP:</b>	As per the service layout
	<b>Budgetary allocation (Capital cost):</b>	65 lakhs
	<b>Budgetary allocation (O &amp; M cost):</b>	10 lakhs
<b>36.Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	25 Kg
	<b>Disposal of the construction waste debris:</b>	This material will be used for back filling and leveling of the plot and remaining will be disposed to authorized sites.
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	1080 kg/day
	<b>Wet waste:</b>	462 Kg/day
	<b>Hazardous waste:</b>	Negligible
	<b>Biomedical waste (If applicable):</b>	Not Applicable
	<b>STP Sludge (Dry sludge):</b>	66 kg/day
	<b>Others if any:</b>	E-waste : 4 Kg/day

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<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Will be hand over to SWACH .
	<b>Wet waste:</b>	Will be treated in Organic waste converter.
	<b>Hazardous waste:</b>	Will be handed over to authorized hazardous waste management
	<b>Biomedical waste (If applicable):</b>	Not Applicable
	<b>STP Sludge (Dry sludge):</b>	Will be used as manure for landscaping .
	<b>Others if any:</b>	E-waste generated will be handed over to authorized e-waste management agency.
<b>Area requirement:</b>	<b>Location(s):</b>	As per service layout
	<b>Area for the storage of waste &amp; other material:</b>	79.26 Sqm
	<b>Area for machinery:</b>	2.04 Sqm
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	12.35 lakhs
	<b>O &amp; M cost:</b>	1.66 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	Spent Oil	5.1	Litre/annum	Not applicable	1000	1000	Will be handed to MPCB authorized vendor

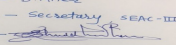
### 39. Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	HSD 160-180 Liters / Day	4	15	0.2	722 degree K

### 40. Details of Fuel to be used

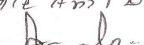
Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel	Not applicable	9500 Litres/ Month	9500 Litres/ Month

41. Source of Fuel Authorized Vendors

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42.Mode of Transportation of fuel to site by Road

<b>43.Green Belt Development</b>	<b>Total RG area :</b>	1999.03
	<b>No of trees to be cut :</b>	0
	<b>Number of trees to be planted :</b>	236
	<b>List of proposed native trees :</b>	As below
	<b>Timeline for completion of plantation :</b>	Till the completion of the project

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

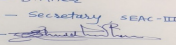
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Saraca asoca	Sita Ashok	43	Beautification
2	Cassia fistula	Bhava	22	Beautification
3	Simarou baglauca	Laxmi Taru	33	Medicinal Value
4	Lagerstromia Indica	Indica	22	Beautification
5	Semecarpus anacardium	Biba	10	Medicinal Value
6	Plumeria Alba	Chafa	12	Beautification
7	Roystonea regia	Royal Palm	12	Beautification
8	Ailathus excelsa	Maharukh	38	Medicinal Value
9	Azadirachta indica	Neem	10	Medicinal Value
10	Saraca asoca	Ashok	13	Beautification
11	Phyllanthus emblica	Awala	21	Beautification
12	Total	--	236	--

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

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

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

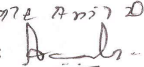
**47.Energy**

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<b>Power requirement:</b>	<b>Source of power supply :</b>	From Maharashtra State Electricity Distribution Company Limited (100% with MSEDCCL)
	<b>During Construction Phase: (Demand Load)</b>	200 KVA
	<b>DG set as Power back-up during construction phase</b>	0
	<b>During Operation phase (Connected load):</b>	12484 KW
	<b>During Operation phase (Demand load):</b>	7884 KW
	<b>Transformer:</b>	2500 KVA x 4
	<b>DG set as Power back-up during operation phase:</b>	2000 KVA x 4
	<b>Fuel used:</b>	Diesel
	<b>Details of high tension line passing through the plot if any:</b>	Not Applicable

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

Use of LED Lights in parking & common area  
 Use of Astronomical Timer for Landscape lighting  
 Use of High efficient / Low Loss capital items like transformers  
 Power factor improvement (0.8 to 0.95)  
 Use of Solar Streetlights

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

Serial Number	Energy Conservation Measures	Saving %
1	Use of LED Lights in parking & common area	15%
2	Use of Astronomical Timer for Landscape lighting	2%
3	Use of High efficient / Low Loss capital items like transformers	5%
4	Power factor improvement (0.8 to 0.95)	1%
5	Use of Solar Street lights	12%

#### 50. Details of pollution control Systems

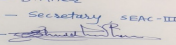
Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	25 Lakhs
	<b>O &amp; M cost:</b>	1 lakh /annum

### 51. Environmental Management plan Budgetary Allocation

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

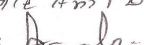
Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
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1	Environmental monitoring	PM10, PM2.5, SO2, NOx, CO, Equivalent noise level, Analysis of water for physical, chemical, biological parameters.	5.44
2	Air Environment	Water For Dust Suppression,Air & Noise monitoring	10.84
3	Water Environment	Tanker water for construction,Water monitoring	1.00
4	Land Environment	Gardening	4.00
5	Socio- Economic Environment	Disinfection- Pest Control ,First Aid Facilities,Health Check Up,Personal protective equipment	13.12
6	Total	--	34.4

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

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Environmental Monitoring	Ambient Air quality, Noise Level, Exhaust from DG Set, Drinking Water, Sewage from STP, As per EP act, Manure	00	12.74
2	Water	RWH	10.00	1.0
3	Water	STP	65.00	10.00
4	Energy	Solar PV Cells	50	0.25
5	Land Environment	Gardening	40	3.00
6	Solid waste	Solid waste management	12.30	1.66
7	Solid waste	E-waste management	0.11	0.1
8	Total	--	177.41	28.75

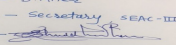
**51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)**

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

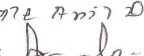
**53.Traffic Management**

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

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Name: K. Anil Kale  
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	Nos. of the junction to the main road & design of confluence:	--
Parking details:	Number and area of basement:	Basement:3 Area:46,762.86 sqm
	Number and area of podia:	0
	Total Parking area:	22600 sqm
	Area per car:	12.50 sqm
	Area per car:	12.50 sqm
	Number of 2-Wheelers as approved by competent authority:	3000
	Number of 4-Wheelers as approved by competent authority:	1284
	Public Transport:	Nearest bus stop
	Width of all Internal roads (m):	6 m Minimum
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	8(a) B2
	Court cases pending if any	Not Applicable
	Other Relevant Informations	--
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	17-01-2018

## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorisred in brief information of Project as below.

### Brief information of the project by SEAC

<p>Name - S.D.Aher Designation - Secretary SEAC-III Sign </p> <p><b>S.D.Aher (Secretary SEAC-III)</b></p>	<p><b>SEAC Meeting No: 64 Meeting Date: March 23, 2018</b></p>	<p>Name:  Signature: </p> <p><b>Shri. Anil Kale (Chairman SEAC-III)</b></p>
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Environment Clearance for Proposed IT Park at Survey No 206/2, CTS No 78 to 85 Lohegaon tal- Haveli Dist-Pune by **M/s.Panchshil IT Park**

PP submitted their application for prior Environmental clearance for total plot area of 19990.30 Sq. Mtrs, BUA of 142546.52 Sq. Mtrs and FSI area of 74982.59 Sq. Mtrs. PP proposes to construct 2 nos. of IT Park buildings.

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

### DECISION OF SEAC

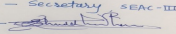
**SEAC decided to recommend the proposal for prior environmental Clearance, subject to PP complying with the following conditions.**

**Specific Conditions by SEAC:**

- 1) PP to upload revised EMP.
- 2) PP to upload CFO NOC.
- 3) PP to submit revise tree list and suggests planting another local tree species.
- 4) PP to submit details of renewable energy with its calculation in the proposed development and area specification of terrace.
- 5) PP to submit water supply undertaking.
- 6) PP to submit cross section of storm water management

### FINAL RECOMMENDATION

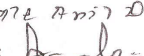
SEAC-III have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions

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

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

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

## 64th Meeting of SEAC-3

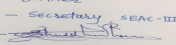
**SEAC Meeting number: 64 Meeting Date March 23, 2018**

**Subject:** Environment Clearance for Proposed construction project of WTC IT PARK by P One Infrastructure Pvt. Ltd. At Survey no. 1, Hissa No. 1B, 2B, 1A, 2A of Village Kharadi, Taluka Haveli, District Pune.

**Is a Violation Case:** No

<b>1.Name of Project</b>	Proposed construction project of WTC IT PARK by P One Infrastructure Pvt. Ltd. At Survey no. 1, Hissa No. 1B, 2B, 1A, 2A of Village Kharadi, Taluka Haveli, District Pune.
<b>2.Type of institution</b>	Private
<b>3.Name of Project Proponent</b>	P One Infrastructure Pvt. Ltd.
<b>4.Name of Consultant</b>	MITCON Consultancy & Engineering Services Ltd. Agriculture College Campus, Next to DIC office, Shivajinagar, Pune 411 005, Maharashtra (India)
<b>5.Type of project</b>	IT PARK
<b>6.New project/expansion in existing project/modernization/diversification in existing project</b>	New project
<b>7.If expansion/diversification, whether environmental clearance has been obtained for existing project</b>	NA
<b>8.Location of the project</b>	Survey no. 1, Hissa No. 1B, 2B, 1A, 2A
<b>9.Taluka</b>	Haveli
<b>10.Village</b>	Kharadi
<b>Correspondence Name:</b>	Mr. Anand Sanghvi
<b>Room Number:</b>	Tower 'E',
<b>Floor:</b>	4th floor
<b>Building Name:</b>	Tech Park one,
<b>Road/Street Name:</b>	Off Airport Road
<b>Locality:</b>	Next to Don Bosco School, Yerwada
<b>City:</b>	Pune
<b>11.Area of the project</b>	Pune Municipal Corporation
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	Applied <b>IOD/IOA/Concession/Plan Approval Number:</b> Applied <b>Approved Built-up Area:</b>
<b>13.Note on the initiated work (If applicable)</b>	Work not initiated. Not applicable.
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	In process
<b>15.Total Plot Area (sq. m.)</b>	5431.93 SQ.M.
<b>16.Deductions</b>	0
<b>17.Net Plot area</b>	5431.93 Sq mt
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> 16215.05
	<b>b) Non FSI area (sq. m.):</b> 12057.27
	<b>c) Total BUA area (sq. m.):</b> 28272.32
<b>18 (b).Approved Built up area as per DCR</b>	<b>Approved FSI area (sq. m.):</b> 16215.05
	<b>Approved Non FSI area (sq. m.):</b> 12057.27
	<b>Date of Approval:</b> 01-01-1900
<b>19.Total ground coverage (m2)</b>	1396.67
<b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>	25.71
<b>21.Estimated cost of the project</b>	750000000

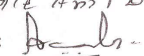
## 22.Number of buildings & its configuration

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

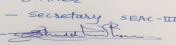
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Signature: 

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

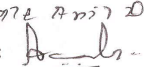
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)	
1	WTC IT PARK	Basement 1 + Basement 2 + Ground + Mezzanine + 8 office floors + Terrace + Super terrace	38.4 m (upto Terrace floor)	
<b>23.Number of tenants and shops</b>	No of offices - 16 Nos			
<b>24.Number of expected residents / users</b>	1674 nos.			
<b>25.Tenant density per hectare</b>	NA			
<b>26.Height of the building(s)</b>				
<b>27.Right of way (Width of the road from the nearest fire station to the proposed building(s))</b>	18 M			
<b>28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation</b>	Min 9 Meters			
<b>29.Existing structure (s) if any</b>	No. NA			
<b>30.Details of the demolition with disposal (If applicable)</b>	NA			
<b>31.Production Details</b>				
Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable
<b>32.Total Water Requirement</b>				

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 Sign 

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

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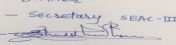
Name: K. Anil Kale  
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**Shri. Anil Kale (Chairman SEAC-III)**

Dry season:	Source of water	PMC
	Fresh water (CMD):	42
	Recycled water - Flushing (CMD):	34
	Recycled water - Gardening (CMD):	5.5
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	81.5
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	40
	Excess treated water	15.68
Wet season:	Source of water	PMC
	Fresh water (CMD):	42
	Recycled water - Flushing (CMD):	34
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	76
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	40
	Excess treated water	21.1
Details of Swimming pool (If any)	NA	

### 33.Details of Total water consumed

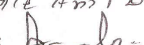
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Water Requirement									
Fresh water requirement	NA	42.2685	42.2685	NA	4.22685	4.22685	NA	38.04165	38.04165
Domestic	NA	34.317	34.317	NA	3.4317	3.4317	NA	30.8853	30.8853
Gardening	NA	5.5	5.5	NA	5.5	5.5	NA	0	0

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<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	50 to 80 mts. b.g.l.
	<b>Size and no of RWH tank(s) and Quantity:</b>	NA
	<b>Location of the RWH tank(s):</b>	NA
	<b>Quantity of recharge pits:</b>	2
	<b>Size of recharge pits :</b>	3.0 x 3.0 x 2.25 m
	<b>Budgetary allocation (Capital cost) :</b>	1.0 Lac
	<b>Budgetary allocation (O &amp; M cost) :</b>	0.25 Lac/Annum
	<b>Details of UGT tanks if any :</b>	Domestic UG tank: 86.632 m3 Flushing UG tank: 38.346 m3 FF Tank capacity in UGR : 200 m3 FF Tank capacity in OHT: 40 m3
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	Overflow/surplus water from the recharge pit will be discharged into storm water drainage
	<b>Quantity of storm water:</b>	7.92 m3/min
	<b>Size of SWD:</b>	450 mm
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	69 KLD
	<b>STP technology:</b>	MBBR
	<b>Capacity of STP (CMD):</b>	1 No. 75 KLD
	<b>Location &amp; area of the STP:</b>	Ground , Area - 56.19 Sq.m
	<b>Budgetary allocation (Capital cost):</b>	42 lac
	<b>Budgetary allocation (O &amp; M cost):</b>	4.0 lac/Annum
<b>36.Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	Total quantity of excavation : 27212 m3, Quantity of backfill from excavated earth : 12946 m3, Quantity of earthwork used in site leveling/reclamation: 12,946 m3,
	<b>Disposal of the construction waste debris:</b>	Quantity of excess earthwork to be disposed off outside site: 14,266 m3,
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	176 kg/day
	<b>Wet waste:</b>	75 kg/day
	<b>Hazardous waste:</b>	Nil
	<b>Biomedical waste (If applicable):</b>	Nil
	<b>STP Sludge (Dry sludge):</b>	13 kg/day
	<b>Others if any:</b>	Nil
Name - S.D.Aher Designation - Secretary SEAC-III Sign 		<b>SEAC Meeting No: 64 Meeting Date: March 23, 2018</b>
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<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Dry waste collection, segregation, recycling & disposal by SWaCH
	<b>Wet waste:</b>	Wet waste will be treated in OWC & manure will be used for landscaping & gardening.
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	Used as manure for landscape development
	<b>Others if any:</b>	NA
<b>Area requirement:</b>	<b>Location(s):</b>	Ground
	<b>Area for the storage of waste &amp; other material:</b>	65.96 Sq.m
	<b>Area for machinery:</b>	2.59 m3
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	7 Lac
	<b>O &amp; M cost:</b>	0.50 Lc/Annum

### 37. Effluent Characteristics

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

### 38. Hazardous Waste Details

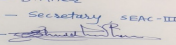
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 39. Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	900 KVA DG Set	217 Lit/hr	2	15 Mtrs	0.200	562 Deg C

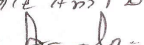
### 40. Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD for DG Set backup	NA	4500 Lts/ Month	4500 Lts/ Month
41. Source of Fuel		Authorised vendor		
42. Mode of Transportation of fuel to site		Not applicable		

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

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<b>43.Green Belt Development</b>	<b>Total RG area :</b>	543.19 Sq.M.
	<b>No of trees to be cut :</b>	NO. NA
	<b>Number of trees to be planted :</b>	102
	<b>List of proposed native trees :</b>	As below
	<b>Timeline for completion of plantation :</b>	At the time of 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	Cassia fistula	Bhava	29	Beautification
2	Roystonearegia	Royal Palm	16	Beautification
3	Ailathusexcelsa	Maharukh	28	Medicinal Value
4	Simaroubaglauca	Laxmi Taru	29	Medicinal Value

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

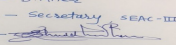
#### 46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	Lawn	NA	382.76
2	Marraya Paniculata	300	167.99

#### 47.Energy

<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	50 KW
	<b>DG set as Power back-up during construction phase</b>	100 %
	<b>During Operation phase (Connected load):</b>	2075 KW
	<b>During Operation phase (Demand load):</b>	1310 KW
	<b>Transformer:</b>	2 X 800 KVA
	<b>DG set as Power back-up during operation phase:</b>	2 X 900 KVA
	<b>Fuel used:</b>	HSD
	<b>Details of high tension line passing through the plot if any:</b>	NA

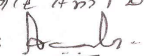
#### 48.Energy saving by non-conventional method:

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

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Use of Solar Street lights:12%

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

Serial Number	Energy Conservation Measures	Saving %
1	Use of LED Lights in parking & common area	15%
2	Use of Astronomical Timer for Landscape lighting	2%
3	Use of High efficient / Low Loss capital items like transformers	5%
4	Power factor improvement (0.8 to 0.95)	1%
5	Use of Solar Street lights	12%

### 50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Sewage	NA	STP
Solid waste	NA	OWC

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	30 Lac
	<b>O &amp; M cost:</b>	0.15 Lac/Annum

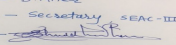
### 51.Environmental Management plan Budgetary Allocation

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

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Environmental monitoring	PM10, PM2.5, SO2, NOx, CO, Equivalent noise level, Analysis of water for physical, chemical, biological parameters.	5.44
2	Air Environment	Water For Dust Suppression, Air & Noise monitoring	10.84
3	Water Environment	Tanker water for construction, Water monitoring	1.0
4	Land Environment	Site Sanitation, Gardening	5.0
5	Socio- Economic Environment	Disinfection- Pest Control, First Aid Facilities, Health Check Up, Crèche for children, Personal protective equipment	16.12

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

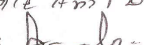
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Environmental Monitoring	Ambient Air quality, Noise Level, Exhaust from DG Set, Drinking Water, Sewage from STP, As per EP act, Manure	NA	12.74

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

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2	Water	RWH	1	0.25
3	Water	STP	42	4.0
4	Energy	Solar PV Cells	30	0.15
5	Land Environment	Gardening	20	2.0
6	Solid waste	Solid waste management , E-waste management, Top soil management	10	1.5

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

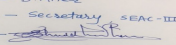
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 52.Any Other Information

No Information Available

### 53.Traffic Management

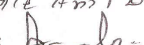
	Nos. of the junction to the main road & design of confluence:	1
Parking details:	Number and area of basement:	Basement : 2 Nos Area: 4903.2 Sq Mt
	Number and area of podia:	NA
	Total Parking area:	6244.5 Sq Mt
	Area per car:	12.50
	Area per car:	12.50
	Number of 2-Wheelers as approved by competent authority:	Scooter: 828 Nos
	Number of 4-Wheelers as approved by competent authority:	Cars: 345 Nos
	Public Transport:	Nearest bus stop
	Width of all Internal roads (m):	6 Mt Minimum
	CRZ/ RRZ clearance obtain, if any:	Not Applicable

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

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

**SEAC Meeting No: 64 Meeting Date: March 23, 2018**

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

	<b>Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries</b>	Not Applicable
	<b>Category as per schedule of EIA Notification sheet</b>	8(a) Building and Construction projects
	<b>Court cases pending if any</b>	NA
	<b>Other Relevant Informations</b>	NA
	<b>Have you previously submitted Application online on MOEF Website.</b>	No
	<b>Date of online submission</b>	-

## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summarised in brief information of Project as below.

### Brief information of the project by SEAC

Environment Clearance for Proposed construction project of WTC IT PARK by P One Infrastructure Pvt. Ltd. At Survey no. 1, Hissa No. 1B, 2B, 1A, 2A of Village Kharadi, Taluka Haveli, District Pune.by **M/s. P One Infrastructure Pvt. Ltd.**

PP submitted their application for prior Environmental clearance for total plot area of 5431.93 Sq. Mtrs, BUA of 25827.65 Sq. Mtrs and FSI area of 13770.38 Sq. Mtrs. PP proposes to construct 1 no. of IT Park 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

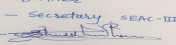
**SEAC decided to recommend the proposal for prior environmental Clearance, subject to PP complying with the following conditions.**

**Specific Conditions by SEAC:**

- 1) PP to upload debris management plan.
- 2) PP to submit site specific EMP
- 3) PP to submit revised list of trees.
- 4) PP to upload CFO NOC.

### FINAL RECOMMENDATION

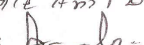
SEAC-III have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions

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

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

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