

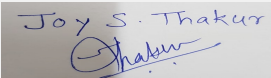
## Agenda for 110th SEAC-3 meeting scheduled 24-25-26 June, 2020 through Video Conference

**SEAC Meeting number: 110 Meeting Date June 25, 2020**

**Subject:** Environment Clearance for Amendment for Environmental Clearance for the Proposed Modification / Expansion of IT Park project "Embassy Tech Zone" at Plot No. 03, Rajiv Gandhi Infotech Park, Phase II, MIDC, Hinjewadi, Pune, Maharashtra.

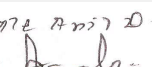
**Is a Violation Case:** No

1.Name of Project	Embassy Tech Zone
2.Type of institution	Private
3.Name of Project Proponent	Embassy Office Parks Pvt. Ltd.
4.Name of Consultant	Samrakshan
5.Type of project	IT Park
6.New project/expansion in existing project/modernization/diversification in existing project	Modification/expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Environmental Clearance (EC) obtained from State Level Environment Impact Assessment Authority (SEIAA), Maharashtra vide letter No. SEAC-2010/CR.297/TC.2 dated 11.7.2011
8.Location of the project	"Embassy Tech Zone" at Plot No. 03, Rajiv Gandhi Infotech Park, Phase II, MIDC, Hinjewadi, Pune, Maharashtra.
9.Taluka	Hinjawadi
10.Village	Rajiv Gandhi Infotech Park, Phase II, MIDC
Correspondence Name:	M/s Embassy Office Parks Pvt. Ltd.,
Room Number:	No. 150
Floor:	Not applicable
Building Name:	Not applicable
Road/Street Name:	Infantry Road
Locality:	Not applicable
City:	Bengaluru - 560001
11.Whether in Corporation / Municipal / other area	MIDC area
12.IOD/IOA/Concession/Plan Approval Number	Not applicable <b>IOD/IOA/Concession/Plan Approval Number:</b> Not applicable <b>Approved Built-up Area:</b> 489815
13.Note on the initiated work (If applicable)	Presently 8 blocks are under operation and 10 blocks are yet to be constructed
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	EC obtained - 2,76,874 sq m (68.43 acres) and Scenario after expansion - 2,72,979 sq m (67.47 area)
16.Deductions	None
17.Net Plot area	EC obtained - 2,76,874 sq m (68.43 acres) and Scenario after expansion - 2,72,979 sq m (67.47 area)
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): As per plan approval obtained from MIDC
	b) Non FSI area (sq. m.): As per plan approval obtained from MIDC
	c) Total BUA area (sq. m.): 490328
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): As per plan approval obtained from MIDC
	Approved Non FSI area (sq. m.): As per plan approval obtained from MIDC
	Date of Approval: 01-01-1900
19.Total ground coverage (m2)	76055
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	27.86

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

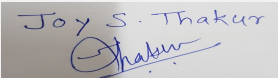
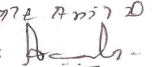
21. Estimated cost of the project	14350000000
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## 22. Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Block 1 (Office) - Existing	S1 + S2 + G + 5 Floors	29.10
2	Block 2 (Office) - Existing	S1 + S2 + G + 5 Floors	29.10
3	Block 3 (Office) - Existing	G + 10 Floors	41.25
4	Block 3 (MLCP 1) - Existing	G + 6 Floors	41.25
5	Block 4 (Office) - Proposed	9 Floors	38.55
6	Block 4 (MLCP 2) - Proposed	S1 + S2 + G + 3 Floors	38.55
7	Block 5 (Office) - Existing	LG + G + 8 Floors	37.50
8	Block 5 (MLCP 3) - Existing	LG + G + 5 Floors	37.50
9	Block 6 (Office) - Existing	G + 9 Floors	37.95
10	Block 7 (Office) - Proposed	S + G + 9 Floors	37.95
11	Block 8 (Office) - Proposed	S + G + 9 Floors	37.95
12	Block 9 (Office) - Proposed	G + 17 Floors	56.25
13	Block 10 (Office) - Proposed	G + 22 Floors	70.00
14	Block 11 (Office) - Existing	S + G + 7 Floors	33.15
15	MLCP 4 - Proposed	G + 6 Floors	29.70
16	MLCP 5 - Proposed	G + 10 Floors	29.70
17	Food Court - Existing	G + 2 Floors	13.5
18	Training center - Existing	G + 2 Floors	8.4

23. Number of tenants and shops	Occupancy Phase - 48,046 numbers after Modification and Expansion
24. Number of expected residents / users	Occupancy Phase - 48,046 numbers after Modification and Expansion
25. Tenant density per hectare	1778 numbers
26. Height of the building(s)	
27. Right of way (Width of the road from the nearest fire station to the proposed building(s))	20.0 m
28. Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Provided as per MIDC Norms
29. Existing structure (s) if any	Presently 8 Office / MLCP buildings are in operation
30. Details of the demolition with disposal (If applicable)	Not applicable

## 31. Production Details

 <b>Joy S. Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 110 Meeting Date: June 25, 2020</b>	<b>Page 2 of 70</b>	<b>Name: K. Anil Kale</b>  <b>Signature: Shri. Anil Kale (Chairman SEAC-III)</b>
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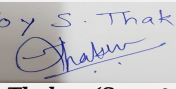
Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	IT Park	489815	513	490328

### 32.Total Water Requirement

Dry season:	Source of water	MIDC
	Fresh water (CMD):	973 KLD
	Recycled water - Flushing (CMD):	1202 KLD
	Recycled water - Gardening (CMD):	314 KLD
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	2175 KLD
	Fire fighting - Underground water tank(CMD):	Provided
	Fire fighting - Overhead water tank(CMD):	provided
	Excess treated water	442 KLD (AC Cooling tower make up)
Wet season:	Source of water	MIDC
	Fresh water (CMD):	Roof top water is collected and reused for domestic purposes
	Recycled water - Flushing (CMD):	Roof top water is reused
	Recycled water - Gardening (CMD):	Controlled watering (As and when required) will be done during rainy season
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	Not applicable
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
Details of Swimming pool (If any)	NA	

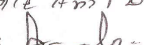
### 33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	874 KLD	1301 KLD	2175 KLD	Not applicable	Not applicable	Not applicable	787 KLD	1171 KLD	1958 KLD

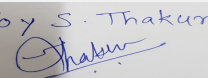
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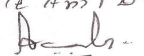
Name: K. Anil Kale  
  
 Shri. Anil Kale (Chairman SEAC-III)

<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	50 meters
	<b>Size and no of RWH tank(s) and Quantity:</b>	Rain water storage tanks are provided in the project
	<b>Location of the RWH tank(s):</b>	At basement level
	<b>Quantity of recharge pits:</b>	Not applicable
	<b>Size of recharge pits :</b>	Not applicable
	<b>Budgetary allocation (Capital cost) :</b>	Already implemented
	<b>Budgetary allocation (O &amp; M cost) :</b>	Not applicable
	<b>Details of UGT tanks if any :</b>	Not applicable
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	Slopping pattern in the project is maintained
	<b>Quantity of storm water:</b>	Not applicable
	<b>Size of SWD:</b>	Not applicable
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	1958 KLD
	<b>STP technology:</b>	Extended Aeration Activated Sludge Process
	<b>Capacity of STP (CMD):</b>	Existing - Presently STPs of 4 X 220 KLD and 1 X 400 KLD are in operation (Totaling 1280 KLD capacity) and Proposed - STPs of 220 KLD, 350 KLD and 410 KLD (Totaling 980 KLD) will be established for the blocks which are yet to be constructed.
	<b>Location &amp; area of the STP:</b>	Not applicable
	<b>Budgetary allocation (Capital cost):</b>	8 Lakhs
	<b>Budgetary allocation (O &amp; M cost):</b>	1 Lakhs
<b>36.Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	13.5 KLD
	<b>Disposal of the construction waste debris:</b>	Construction debris of about 150 cum generated will be used as preparatory materials for road formation activities within the project site.
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	Total after expansion - 3796 Kg/day
	<b>Wet waste:</b>	Total after expansion - 5694 Kg/day
	<b>Hazardous waste:</b>	5000 Liters/ annum
	<b>Biomedical waste (If applicable):</b>	Not applicable
	<b>STP Sludge (Dry sludge):</b>	814 kg/day
	<b>Others if any:</b>	Not applicable

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<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	The dry waste is sent for recycling.
	<b>Wet waste:</b>	Wet waste is treated through Vermi Composting Method and manure generated is used for landscape development within the project
	<b>Hazardous waste:</b>	Sent to re processor
	<b>Biomedical waste (If applicable):</b>	Not applicable
	<b>STP Sludge (Dry sludge):</b>	used as organic manure for the development of plantations within the premises
	<b>Others if any:</b>	Not applicable
<b>Area requirement:</b>	<b>Location(s):</b>	Out side the building in designated area
	<b>Area for the storage of waste &amp; other material:</b>	100 sq m
	<b>Area for machinery:</b>	20 sq m
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	10 Lakhs
	<b>O &amp; M cost:</b>	50,000

### 37. Effluent Characteristics

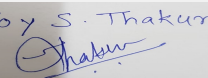
Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	-	6 to 8	6.5 to 8.5	Conforms
2	BoD	mg/l	350 to 400	<10 mg/l	Conforms
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

### 38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	used oil	5.1	Not applicable	2000 Liters/annum	3000 Liters/annum	5000 Liters/annum	Disposed through authorized re processor

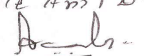
### 39. Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	8 no's X 1500 kVA DG Set - Existing	Diesel - 315 Liters/hr for each DG set	1	30 meters	80 mm	Not applicable
2	9 no's X 1010 kVA DG Set - Existing	Diesel - 213 Liters/hr for each DG set	2	30 meters	80 mm	Not applicable
3	1 No. X 1110 kVA DG Set - Existing	Diesel - 234 liters/hr for each DG set	3	30 meters	80 mm	Not applicable
4	6 no's X 1500 kVA DG Set - Proposed	Diesel - 315 Liters/hr for each DG set	4	30 meters	80 mm	Not applicable

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5	4 no's X 1010 kVA DG Set - Proposed	Diesel - 213 liters/hr for each DG set	5	30 meters	80 mm	Not applicable
6	3 no's X 1110 kVA DG Set - Proposed	Diesel - 234 Liters/hr for each DG set	6	30 meters	80 mm	Not applicable
7	4 Np's X 2000 kVA DG Set - Proposed	Diesel - 420 Liters/hr for each DG set	7	30 meters	80 mm	Not applicable

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

Serial Number	Type of Fuel	Existing	Proposed	Total	
1	Diesel	4671 Liters/hr	5124 Liters/ hr	9795 Liters/hr	
41.Source of Fuel		Near by outlet			
42.Mode of Transportation of fuel to site		Trucks			

<b>43.Green Belt Development</b>	<b>Total RG area :</b>	1,0,4,460 sq m
	<b>No of trees to be cut :</b>	None
	<b>Number of trees to be planted :</b>	Presently 5075 trees and 4200 trees palms and bamboos are planted at site.
	<b>List of proposed native trees :</b>	native and Indigenous trees species will be planted
	<b>Timeline for completion of plantation :</b>	already planted and also plantation will be taken up once the construction of proposed building is started.

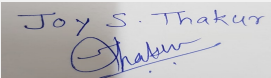
#### 44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Spathodia, Delnox regia, Casia fistula, Eruthrina indica, Filicium decipes, Jacaranda mimosifolia, Melia azardichta, Millingtonia hortensis, Mimusops elengill, Plerospermum acerifolium, Kadamba, Plumeria alba, Alistonia, Terminilia mantaly, Madhuka longifolia, Michelia champaka, Pongamia pinnata, Plumeria obtuse, Plumeria rubra, Saraca indica, Lagestronia indica, Bahunia purperia, Tabubia rosea, Cordia sabestina.	-	5075	native and Indigenous trees species will be planted

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

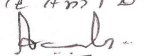
#### 46.Number and list of shrubs and bushes species to be planted in the podium RG:

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

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## 47. Energy

<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEB
	<b>During Construction Phase: (Demand Load)</b>	500 kVA
	<b>DG set as Power back-up during construction phase</b>	1 no. X 500 kVA DG Set
	<b>During Operation phase (Connected load):</b>	50,000 kVA
	<b>During Operation phase (Demand load):</b>	50,000 kVA
	<b>Transformer:</b>	Installed in the project
	<b>DG set as Power back-up during operation phase:</b>	Existing - 8 X 1500 kVA, 9 X 1010 kVA and 1 X 1110 kVA capacity DG sets and Proposed - 6 X 1500 kVA, 4 X 1010 kVA, 3 X 1110 kVA and 4 X 2000 kVA capacity DG Sets are proposed to be added along with the DG sets which are in operation.
	<b>Fuel used:</b>	Diesel
	<b>Details of high tension line passing through the plot if any:</b>	-

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

Solar Street light and lighting for common areas is proposed.

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

Serial Number	Energy Conservation Measures	Saving %
1	Energy saving measures viz., low loss energy, efficient transformers, LEDs, ballasts, variable frequency drives for motors for low power consumption is used in the project.	-

### 50. Details of pollution control Systems

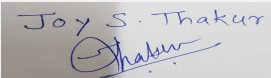
Source	Existing pollution control system	Proposed to be installed
DG Sets	Acoustic enclosures and adequate stack as per norms	Not applicable Acoustic enclosures and adequate stack as per norms

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	10 lakhs
	<b>O &amp; M cost:</b>	2 Lakhs

## 51. Environmental Management plan Budgetary Allocation

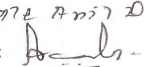
### a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water environment	• Sprinkling to control fugitive dusts and Construction & curing purposes	Capital cost of 10 lakhs and recurring cost of 2 lakhs

  
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2	Water environment	Sewage Treatment Plant for Operation Phase	Capital cost of 200 lakhs
3	Water environment	Potable water requirement for the construction workers	Capital cost of 3 lakhs and recurring cost of 1 lakh
4	Water environment	Temporary Storm Water Drains	Capital cost of 10 lakhs and recurring cost of 1 lakhs
5	Safety	Personal protection safety gadgets and health care	Capital cost of 2 lakhs and recurring cost of 1 lakhs Capital cost of 2 lakhs and recurring cost of 1 lakh
6	Safety	First aid facilities for workers	Capital cost of 2 lakhs and recurring cost of 1 lakh
7	Landscape development	Nurturing and planting of Saplings	Capital cost of 10 lakhs
8	Environmental Monitoring Plan	Air, Noise, Water and soil - Monitoring	Recurring cost of 2 lakhs

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

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Environmental Management Plan	Environmental Management Plan comprise of Operation of Sewage Treatment Plant, Rain water harvesting and Ground water recharging, DG sets acoustic & Maintenance, Landscape development, Solid waste management and Environmental Monitoring Plan	60.50	28.60

**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**

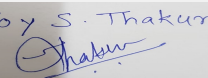
	Nos. of the junction to the main road & design of confluence:	On major junction
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<b>Parking details:</b>	<b>Number and area of basement:</b>	Existing buildings total stilt floor area: 7080 sq m
	<b>Number and area of podia:</b>	-
	<b>Total Parking area:</b>	About 10970 sq m including MLCP area of the existing buildings
	<b>Area per car:</b>	As per norms
	<b>Area per car:</b>	As per norms
	<b>Number of 2-Wheelers as approved by competent authority:</b>	As per norms - two wheeler parking spaces are earmarked at surface level
	<b>Number of 4-Wheelers as approved by competent authority:</b>	As per MIDC norms
	<b>Public Transport:</b>	Available and utilized
	<b>Width of all Internal roads (m):</b>	As per MIDC norms
	<b>CRZ/ RRZ clearance obtain, if any:</b>	NA
	<b>Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries</b>	NA
	<b>Category as per schedule of EIA Notification sheet</b>	B
	<b>Court cases pending if any</b>	NA
	<b>Other Relevant Informations</b>	-
	<b>Have you previously submitted Application online on MOEF Website.</b>	Yes
	<b>Date of online submission</b>	21-12-2018

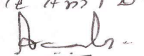
## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

<b>Environmental Impacts of the project</b>	-
<b>Water Budget</b>	-
<b>Waste Water Treatment</b>	-
<b>Drainage pattern of the project</b>	-
<b>Ground water parameters</b>	-
<b>Solid Waste Management</b>	-

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Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

**Brief information of the project by SEAC**

SEAC-AGENDA-0000000431

PP had submitted application for prior Environmental clearance for total plot area of 2,72,979 m<sup>2</sup>, FSI area of 4,90,328.78 m<sup>2</sup>, Non FSI area of 3,29,625.96 m<sup>2</sup> and total BUA of 8,19,954.74 m<sup>2</sup>.

The building configuration of the proposal is as below:

**EC OBTAINED:** IT Park consisting of 11 Office Building, 6 Multilevel Car Parking, 1 Food Court, 1 Training center and 2 utility and services (Totalling to 21 blocks).

**AFTER EXPANSION:** IT Park consisting of 11 Office Building, 5 Multilevel Car Parking, 1 Food Court, 1 Training center and 2 utilities & service blocks (Totalling to 20 blocks)

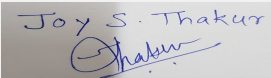
Building Configuration after Expansion and Modification:

Sl. No	Blocks	Built-up area (sq. m)	Configuration	Status
1	Block 1	29,302.37	S1 + S2 + G + 5 F	Under Operation
2	Block 2	29,242.07	S1 + S2 + G + 5 F	
3	Block 3 with MLCP 1	47,226.93	G + 10 F	
		37,814.02	G + 6 F	
4	Block 4 with MLCP 2	85,691.17	S1 + S2 + G + 12 F	Proposed
5	Block 5 with MLCP 3	45,165.45	LG + G + 8 F	Under Operation
		29,129.41	LG + G + 5F	
6	Block 6	30,661.95	G + 9F	Proposed
7	Block 7 & 8	81,970.95	S + G + 10 F	
9	Block 9	1,16,640.70	5 Podium + 14 F	
10	Block 10	1,45,934.96	5 Podium + 12 F	
11	Block 11	33,591.52	B + 7F	Under Operation
12	MLCP - 4	36,057.18	B + 7F	Proposed
13	MLCP - 5	63,151.25	G + 14 F	
14	Food Court	4,326.93	G + 2F	Under Operation
15	Training Centre	3,728.97	G + 1F	
16	HSD yard	156.04	Underground	Proposed
17	Garbage & OWC	343.07	Ground	Proposed
18	Total 18 Blocks	8,19,954.74	-	8 under operation 10 Proposed

Components approved and components constructed as per earlier EC and proposed development:

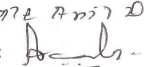
Sl. No.	Buildings approved as per EC	Buildings Constructed as per EC
1	Block 1 & 2	Constructed
2	Block 3 with MLCP 1	Constructed
3	Block 4 with MLCP 2	Proposed
4	Block 5 with MLCP 3	Constructed
5	Block 6	Constructed
6	Block 7, 8, 9 & 10	Proposed
7	Block 11	Constructed
8	MLCP - 4 & 5	Proposed
9	Food Court	Constructed
10	Training Centre	Constructed
11	HSD yard, Garbage & OWC	Proposed

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(b)B1.

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

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

## DECISION OF SEAC

### During discussion following points emerged:

1. PP agreed to install air monitoring station on site during construction as well as operation phase for ambient air quality monitoring. PP to revise CER plan for Rs. 65 Lakh by using 35 Lakh for dialysis centre in Govt. Hospital, 15 Lakh for RWH and 15 Lakh for solar electrical system for municipal schools.
2. PP to obtain and submit following NOC's: a) CFO NOC, b) Water supply NOC with quantity, c) Drainage NOC, d) Non-biodegradable waste disposal.
3. PP to ensure controlling growth / population of Subabul tree (410 species) on site.

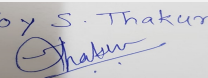
SEAC decided to **recommend** the proposal for prior environmental Clearance, subject to PP complying with the above conditions.

### Specific Conditions by SEAC:

## FINAL RECOMMENDATION

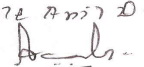
SEAC-III have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions

SEAC-AGENDA-000000431

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

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

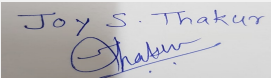
## Agenda for 110th SEAC-3 meeting scheduled 24-25-26 June, 2020 through Video Conference

**SEAC Meeting number: 110 Meeting Date June 25, 2020**

**Subject:** Environment Clearance for Proposed Construction of Maharashtra National Law University, at KH No. 140/2 at Waranga, Wardha Road, Nagpur

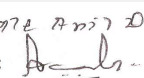
**Is a Violation Case:** No

<b>1.Name of Project</b>	Proposed Construction of Maharashtra National Law University, at KH No. 140/2 at Waranga, Wardha Road, Nagpur
<b>2.Type of institution</b>	Government
<b>3.Name of Project Proponent</b>	The Registrar, Maharashtra National Law University, Nagpur
<b>4.Name of Consultant</b>	ABC Techno Labs India Pvt. Ltd. ; Head office : ABC Tower no 400, 13th Street, SIDCO Industrial Estate- North Phase, Ambattur Chennai - 600 098; Regional Office : A-355, Balaji Bhavan, Plot 42 A, Sect 11, CBD Belapur, Navi Mumbai 400614 ;Tel : 022-2758 0044/55; Email ID: mumbai@abctechnolab.com
<b>5.Type of project</b>	Educational Institute
<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>	KH No. 140/2 at Waranga, Wardha Road, Nagpur
<b>9.Taluka</b>	Nagpur (Rural)
<b>10.Village</b>	Mauza-Waranga
<b>Correspondence Name:</b>	The Registrar, Maharashtra National Law University, Nagpur
<b>Room Number:</b>	NA
<b>Floor:</b>	NA
<b>Building Name:</b>	Moraj Design & Decorator (DnD) Building,
<b>Road/Street Name:</b>	Near HP OIL Depot, Wardha Road
<b>Locality:</b>	Khapri, Tehsil -Nagpur Rural
<b>City:</b>	Nagpur
<b>11.Whether in Corporation / Municipal / other area</b>	Nagpur Metropolitan Region Development Authority
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	In Process <b>IOD/IOA/Concession/Plan Approval Number: --</b> <b>Approved Built-up Area:</b>
<b>13.Note on the initiated work (If applicable)</b>	No work initiated
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	0
<b>15.Total Plot Area (sq. m.)</b>	240097.517
<b>16.Deductions</b>	5559.68
<b>17.Net Plot area</b>	234537.837
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> 154266
	<b>b) Non FSI area (sq. m.):</b> 59886
	<b>c) Total BUA area (sq. m.):</b> 214152
<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> 02-08-2019
<b>19.Total ground coverage (m2)</b>	70916
<b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>	29.8

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

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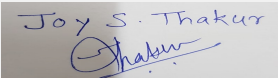
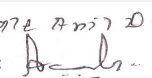
**Name:** K. Anil Kale  
**Signature:**   
**Shri. Anil Kale (Chairman SEAC-III)**

21. Estimated cost of the project	8790000000
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## 22. Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Security & Waiting & BLK A1	G	3.6
2	Bank & BLK A2	G	3.6
3	Health & wellness centre & BLK A3	G+2	11.25
4	Drivers/Workers Rest area BLK B	G+1	6.6
5	VC Residence & Office BLK C	G+1	6.9
6	Registrar RES & Office BLK D	G+1	6.9
7	Chancellors RES & Office & BLK E	G+1	6.9
8	Convection centre & Auditorium BLK F	G+3	27.25
9	Administartion Blocks	LG+G+2	16.35
10	Library BLK H	G+5	28.55
11	Academic Blocks BLK J	G+2	14.3
12	Sports Centre BLK K 1	G	14.05
13	Convenience Shops BLK K 2	G	3.5
14	MLCP BLK L	B+G+4	16.2
15	Boys hostel block BLK M	G+6	22.55
16	PG , International & 3rd Gender Hostel BLK N	G+6	22.55
17	Girls hostel block BLK P	G+6	22.55
18	Dining & Amenity Block BLK Q	G+2	14
19	Faculty club & Guest house BLK R	G+4	15.9
20	3 BHK Row Houses BLK S1/S2	G+1	6.6
21	3 BHK Staff Residence BLK T	S+6	23.4
22	2 BHK Staff Residence BLK U	S+6	24.8
23	1 BHK Staff Residence BLK V	S+6	24.8
24	Workers Dorm & Diary	G	7.3

23. Number of tenants and shops	3500 tenants & 12 shops
24. Number of expected residents / users	3500
25. Tenant density per hectare	146
26. Height of the building(s)	
27. Right of way (Width of the road from the nearest fire station to the proposed building(s))	24 m

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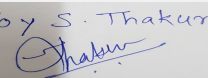
28. Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29. Existing structure (s) if any	No
30. Details of the demolition with disposal (If applicable)	Not Applicable

### 31. Production Details

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

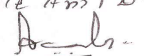
### 32. Total Water Requirement

<b>Dry season:</b>	<b>Source of water</b>	Wakeshwar dam, Pond (1 & 2 ) & Borewell
	<b>Fresh water (CMD):</b>	368
	<b>Recycled water - Flushing (CMD):</b>	72
	<b>Recycled water - Gardening (CMD):</b>	218
	<b>Swimming pool make up (Cum):</b>	2010 KL
	<b>Total Water Requirement (CMD) :</b>	658 KLD (excluding swimming pool)
	<b>Fire fighting - Underground water tank (CMD):</b>	500 KL
	<b>Fire fighting - Overhead water tank (CMD):</b>	410 KL
	<b>Excess treated water</b>	0

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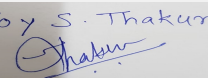
**Name:** *Kale Anil D.*  
**Signature:**   
**Shri. Anil Kale (Chairman SEAC-III)**

<b>Wet season:</b>	<b>Source of water</b>	Wakeshwar dam, Pond (1 &2) and Borewell
	<b>Fresh water (CMD):</b>	368
	<b>Recycled water - Flushing (CMD):</b>	72
	<b>Recycled water - Gardening (CMD):</b>	44
	<b>Swimming pool make up (Cum):</b>	2010 KL
	<b>Total Water Requirement (CMD) :</b>	484 KLD (excluding swimming pool)
	<b>Fire fighting - Underground water tank(CMD):</b>	500 KL
	<b>Fire fighting - Overhead water tank(CMD):</b>	410 KL
	<b>Excess treated water</b>	32 KL

**Details of Swimming pool (If any)** 2010 KL water will be available in proposed swimming pool. The Source of this water will be output of WTP. The requirement is of one time after 3-5 years water can be changed.

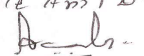
### 33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Fresh water requirement	0	440	440	0	42	42	0	378	378
Cooling tower & thermopack	0	248	248	0	0	0	0	0	0
Gardening	0	218	218	0	0	0	0	0	0

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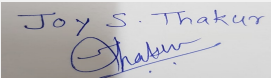
<b>34. Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	20 m depth
	<b>Size and no of RWH tank(s) and Quantity:</b>	7 nos. + (6 mt X 7 mt.) = 737 KL. Pond I is 35,000 kl & for pond II 10,000 KL
	<b>Location of the RWH tank(s):</b>	3 tanks are proposed near to Block J , H , 2 tanks near to block L & block M and 1 will be near to block P , 1 will be near to block Q
	<b>Quantity of recharge pits:</b>	NA
	<b>Size of recharge pits :</b>	NA
	<b>Budgetary allocation (Capital cost) :</b>	9 Crores
	<b>Budgetary allocation (O &amp; M cost) :</b>	5 Lakhs
	<b>Details of UGT tanks if any :</b>	Total 4 UGT Tanks are proposed . Raw water (700 KL) , Treated water( 350 KL), Pond Water (350 KL) , Treated sewage tank (500 KL) & Dam water storage tank (500 Kl) . , In total 2400 KL water will be stored in these UGT tanks.

<b>35. Storm water drainage</b>	<b>Natural water drainage pattern:</b>	--
	<b>Quantity of storm water:</b>	121479 KL
	<b>Size of SWD:</b>	600 M by 1M plus vegetated swales

<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	378
	<b>STP technology:</b>	DEWATS with VORTEX System
	<b>Capacity of STP (CMD):</b>	total 5= 1X 120 KLD, 1X57 KLD, 1X30 kLD, 1X 50KLD, 1 X 130 KLD
	<b>Location &amp; area of the STP:</b>	120 KLD= Girls Hostel single occupancy 02, 57 KLD = near to dining block, 30 KLD= Near academic building and 130 KLD= Faculty
	<b>Budgetary allocation (Capital cost):</b>	2.85 crores
	<b>Budgetary allocation (O &amp; M cost):</b>	15 Lakhs

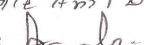
### 36. Solid waste Management

<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	150 kg/day
	<b>Disposal of the construction waste debris:</b>	Disposal of construction waste will be done as per construction & demolition waste disposal rule 2016
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	775 Kg/day
	<b>Wet waste:</b>	525 Kg/day
	<b>Hazardous waste:</b>	300 kl /year
	<b>Biomedical waste (If applicable):</b>	20 kg/day
	<b>STP Sludge (Dry sludge):</b>	94 kg /day
	<b>Others if any:</b>	E-Waste -negligible

  
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<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	It will be handed over to authorised vendor
	<b>Wet waste:</b>	Organic waste Converter will be used to convert wet waste into Compost
	<b>Hazardous waste:</b>	It will be handed over to MPCB Authorized Recycler
	<b>Biomedical waste (If applicable):</b>	It will be handed over to PCB BMW authorized vendor
	<b>STP Sludge (Dry sludge):</b>	It will be utilised as a manure
	<b>Others if any:</b>	NA
<b>Area requirement:</b>	<b>Location(s):</b>	Near to dairy
	<b>Area for the storage of waste &amp; other material:</b>	--
	<b>Area for machinery:</b>	10 X 7
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	15 Lakhs
	<b>O &amp; M cost:</b>	5 Lakhs

### 37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	--	6.0-8.5	5.5-9.0	6.5-9.0
2	TSS	mg/lit	250-400	<10	<100
3	TSS	mg/lit	250-400	<10	<100
4	COD	mg/lit	350-450	<60	<250
5	BOD	mg/lit	200-250	<10	<30
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

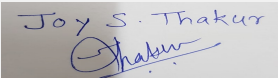
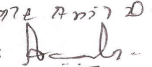
### 38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used oil	5.1	KL/Years	0	300	300	It will be handed over to PCB 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	DG Stack	HSD (20 KLX2 nos)	1	30 mt	0.35 mt	--

### 40. Details of Fuel to be used

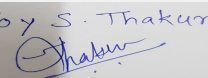
 <b>Joy S. Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 110 Meeting Date: June 25, 2020</b>	<b>Page 18 of 70</b>	<b>Name: K. Anil Kale</b>  <b>Signature: Shri. Anil Kale (Chairman SEAC-III)</b>
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Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel (HSD)	0	40 KL (considering in power failure of 48 hrs)	40 KL (considering in power failure of 48 hrs)
41.Source of Fuel		Near by oil depot		
42.Mode of Transportation of fuel to site		By Road		

<b>43.Green Belt Development</b>	<b>Total RG area :</b>	93936 sq. m.
	<b>No of trees to be cut :</b>	0
	<b>Number of trees to be planted :</b>	8384
	<b>List of proposed native trees :</b>	All the selected plants which are proposed for plantation are native species.
	<b>Timeline for completion of plantation :</b>	12 months

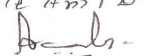
#### 44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Aegle marmelos	Bel/ bengal quince/ Maredu	225	tolerant of waterlogging and has an unusually wide temperature tolerance (from -7 °C to 48 °C)
2	Alstonia scholaris	Saptarni/ Devils tree	48	It is a flowering plant and having medicinal properties
3	Anthocephalus cadamba	Kadam / Kadamb	258	Birds and other animals help in dispersal of the edible fruit. At the age of 4 years kadam may start flowering.
4	Artocarpus heterophyllus	Jackfruit	130	Evergreen ,Fruit bearing & slow growing tree
5	Azadirachta indica	Neem	312	It is quick growing, seed bearing & Evergreen tree
6	Ailanthus excelsa	Marukh	251	It is deciduous , quick growing and seed bearing tree
7	Albizia lebbeck	Siris tree/ Siris	247	It is quick growing, seed bearing and deciduous tree
8	Butea monosperma	Palas/ Flame of the forest	297	Deciduous ,slow growing and seed bearing tree
9	Bauhinia purpurea	Kanchan / Apta	304	This tree also known as butterfly tree, also quick growing & deciduous
10	Bombax ceiba	Shalmali/ Semal / Silk Cotton Tree	68	This Asian tropical tree has a straight tall trunk , flowering plant, attractive to local birds
11	Boswellia serrata	Dhupali/ shallaki/ kurunda/ salai	239	It is native to India, and its extract has been used as a traditional medicine for centuries.
12	Cassia fistula	Bahava/ Indian laburnum	103	It is quick growing, seed bearing, deciduous tree
13	Cassia siamea	Kashid/ Kassod / Siamese Senna	123	It is evergreen, fast growing and seed bearing tree

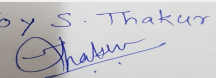
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**Joy S.Thakur (Secretary SEAC-III)**

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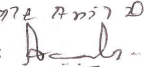
**Name: K. Anil Kale**  
  
**Signature: Anil Kale**  
**Shri. Anil Kale (Chairman SEAC-III)**

14	Cauroupita guianensis	Shivalingam /Cannon ball / Nagalinga	26	flowering tree and having medicinal properties
15	Citrus grandis	Chakotara/ bampara/ grape fruit	36	Fruit bearing plant, leaves having medicinal properties
16	Citrus medica	Mahalunga/ galgal/ Citron	46	traggly, evergreen shrub or small tree growing up to 4 metres tall
17	Cochlospermum religiosum	Ganeri / Kondagogu / Buttercup tree	233	Small, flowering plant
18	Dalbergia sisoo	Sissu/ Shisham	220	This tree is best known economic timber species, fast growing, hardy deciduous rosewood tree
19	Erythrina indica	Pangara / Indian coral tree	258	Erythrina indica is a medium-sized, spiny, deciduous tree normally growing to 6-9 m
20	Erythrina stricta	Pangara/ Coral tree	37	This tree is evergreen , flowering & harvested from the wild for local use as a medicine
21	Ficus carica	Poona fig/ Dinkar/ Anjeer	23	Fruit baring, attractive to birds, iis also an ornamental plant
22	Ficus religiosa	Peepal	55	It is having a very long lifespan, large tree upto 30 mt, semi evergreen plant
23	Ficus glomerata	Umbar	69	This is quick growing, seed bearing, deciduous plant
24	Ficus retusa	Wad / chilkan	46	having large life span , The seeds are small, and because most banyans grow in woodlands, a seedling that germinates on the ground is unlikely to survive.
25	Ficus virens	Bassari/ White Fig/ Pilkhan	59	It is seed bearing, evergreen , slow growing (in early stage)
26	Garuga pinnata	kakad / Grey downy balsam/ kharpat	38	Garuga pinnata is a deciduous tree species
27	Haldina cordifolia	Haldu/ Karam/ Kadami	213	Haldina cordifolia is a deciduous tree with a large crown; generally growing from 18 - 30 metres tall, specimens up to 45 metres have been recorded.
28	Holoptelea integrifolia	Papada/ Wavli/ Chilbil	82	Holoptelea integrifolia is a deciduous tree growing up to 22 metres tall.The tree is harvested from the wild for local use as a medicine, food, and as a source of oil and wood.
29	Holarrhena pubescens	Indrajav/ kutaja/ pandhra kuda	69	Flowering, is a deciduous shrub or tree with fragrant white flowers and abundant white latex in all its parts. It grows up to 10 metres tall
30	Lagerstroemia indica	Taman/ Pride of India	146	Its flowers bearing plant
31	Lagerstroemia microcarpa	Nana/ Ben teak	221	Lagerstroemia microcarpa is a large deciduous tree.A valuable and important timber tree, much in request, and giving one of the best of the woods of Western India[

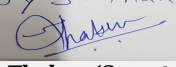
Joy S. Thakur  
  
**Joy S.Thakur (Secretary SEAC-III)**

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

32	Lagerstroemia parviflora	Lende/ Bondga/ Dhaura/ Small crape myrtle	66	It is a large, deciduous tree that can grow 30 metres or more tall. The tree is valued for its timber, which is one of the best found in the mixed forests of India,
33	Lannea coromandelica	Shemat/ Moi/ Indian ash tree	24	It is a deciduous tree usually growing 5 - 10 metres tall but with some specimens up to 20 metres tall with a bole 45cm in diameter
34	Limonia acidissima	Kaith / Kovit / Wood Apple	37	It is multipurpose tree, both gathered from the wild and also cultivated for its edible fruit, plus its wide range of medicinal and other uses
35	Mangifera indica	Keshar, Alphonso, Sindhu, Ratna	75	It is a large, evergreen tree, attractive , fruit bearing plant
36	Madhuca longifolia	Kat-illip/ Mahua/ Indian Butter Tree	244	It is a fast-growing tree that grows to approximately 20 meters in height, possesses evergreen or semi-evergreen foliage
37	Mimusops elengi	Bakuli / Maulsari	264	It is an evergreen tree with a dense, rounded, spreading crown; it usually grows from 15 - 30 metres tall,
38	Michelia champaka	Champaca / Sonchafa	276	It is large evergreen , commonly cultivated as an ornamental and wayside tree throughout the tropics, being valued especially for its fragrant flowers
39	Millingtonia hortensis	Indian cork tree	76	It is used as traditional medicinal plant
40	Moringa oleifera	Shevga / Drumstick Tree	242	It is a deciduous tree; it usually grows 7.5 - 18 metres tall but occasionally can reach up to 10 metres.
41	Nyctanthus arbo-tristis	Parijat	27	It is a large shrub or small tree with spreading branches, growing up to 10 metres tall
42	Oroxylum indicum	Tayitu/ tetu/ Indian Trumpet Flower	34	It is a fast-growing, lanky and sparsely limbed evergreen or partly deciduous tree with an open, irregular crown; it can grow 10 - 20 metres tall
43	Punica granatum	Pomegranate	71	It is a deep-rooted but slow-growing, spiny, deciduous shrub or small tree that has an open canopy and a crown that branches from low down. It can reach a height of around 5 metres
44	Phyllanthus emblica	Amla/ Aonla- Banarasi, Krishna	227	It is a deciduous shrub or small tree; it usually grows 7.5 - 18 metres tall but occasionally can reach up to 30 metres.
45	Pongamia pinnata	Karanj/ Indian beech tree	287	It is a fast-growing, medium-sized, evergreen or briefly deciduous, glabrous shrub or tree with a broad crown of spreading or drooping branches

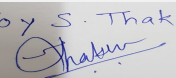
Joy S. Thakur  
  
**Joy S. Thakur (Secretary SEAC-III)**

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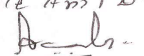
**Name:** K. Anil Kale  
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**Shri. Anil Kale (Chairman SEAC-III)**

46	Putranjiva roxburghii	Shatputri	61	It is an evergreen tree growing up to 12 metres tall. The tree is harvested from the wild for local use as a medicine and source of beads, oil and wood.
47	Pithecellobium dulce	Vilayatchinch / Jangal jalebi	68	It is a fast-growing tree with a generally broad and spreading or rounded crown. It usually grows from 10 - 15 metres tall, but ranges between 5 and 18 metres
48	Sesbania grandiflora	Shevari/ Hatga/ Agati	58	It is quick growing, evergreen tree can grow upto 10 m
49	Sterculia foetida	Goldaru/ Jangali badam/ Indian Almond	65	It is quick growing, deciduous tree can grow upto 15 m
50	Schleichera oleosa	Kusumb/ Kusum	85	It is a rather slow-growing, briefly deciduous tree that can reach a height of 40 metres
51	Syzygium cumini	Jamun	302	It is quick growing, evergreen tree can grow upto 20 m
52	Tamarindus indicus	Imli / Tamarind	46	is quick growing, evergreen tree can grow upto 20 m
53	Terminalia arjuna	Arjun	294	t is quick growing, deciduous tree can grow upto 15 m
54	Terminalia bellarica	Baheda	238	It is quick growing, deciduous tree can grow upto 15 m
55	Terminalia catappa	Jangli badam/ Wild almond	99	It is quick growing, deciduous and can grow upto 10 mt
56	Thespesia populnea	Paras pipal/ Indian Tulip tree	171	It is quick growing, evergreen , can grow upto 10 mt height
57	Wrightia tinctoria	Kala kuda/ Kapar/ Sweet Indrajao	76	It is a deciduous tree; it can grow from 6 - 18 metres tall.ornamental , medicinal
58	Ziziphus mauritiana / jujuba	Ber- Umran, Kadaka, Sannur, Mehrun	89	It is quick growing, evergreen tree of 10 mt height
59	Acacia nilotica	Babool	90	Small tree, 2.5-14 m tall,Grows on a wide variety of soils, seemingly thriving on alluvial soils, black cotton soils, heavy clay soils, as well as even poorer soils
60	Murraya koenigii	Kari patta / Kudianim / Curry Leaf	20	A deciduous aromatic shrub with strong smell growing up to 3-5 m tall with a trunk up to 40 cm in diameter. The aromatic leaves are pinnate with 15-25 leaflets, each leaflet 2-4cm long and 1-2 cm broad. The flowers are small, white and fragrant which produce small shiny-black berries containing a single, large viable seed
61	Phoenix sylvestris	kharik/ kharjur/ Indian wild date	30	s a very tall, fast-growing, unbranched, single-stemmed palm with recurving, plumose, glaucous fronds, growing 4 - 15 metres tall]
62	Acacia ferruginea	Pandhara Khair/ kaigar/ Rusty Acacia	40	It is a seed bearing, quick growing tree having height 3-4 m

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63	Ficus bengalensis	Wad / banyan	20	is an evergreen tree with a wide, spreading crown; it can grow 20 - 30 metres or more tall. The tree is harvested from the wild for its edible fruit and medicinal uses
64	Citrus aurantiifolia	Common lime/ ambatanimbu/ nimbu	40	Lime is a small, densely and irregularly branched evergreen tree growing up to 5 metres tall

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

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

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

**47.Energy**

<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	630 kvA
	<b>DG set as Power back-up during construction phase</b>	630 kvA X 1 Nos
	<b>During Operation phase (Connected load):</b>	7966 kW
	<b>During Operation phase (Demand load):</b>	3708 kW
	<b>Transformer:</b>	6 X 630 KvA, 2 x 500 kvA, 2 X 1600 kvA
	<b>DG set as Power back-up during operation phase:</b>	2 X 1010 kvA + 2 X 2000 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:**

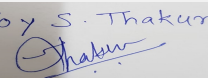
Energy Saving will be achieved by using LED efficient lights, passive cooling systems, energy efficient air conditioning, by adopting passive architectural measures (buildings are completely insulated, mutually shaded and 100 % day light buildings) low energy consuming sewage treatment plants . To off set 100 % of energy requirement 5 mW Solar PV plant will be installed (On Grid system)

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

Serial Number	Energy Conservation Measures	Saving %
1	Lighting (in comparison with conventional measures)	44 %
2	Equipment (in comparison with conventional measures)	40 %
3	HVAC (in comparison with conventional measures)	55 %

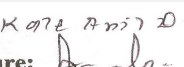
**50.Details of pollution control Systems**

Source	Existing pollution control system	Proposed to be installed
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Not applicable	Not applicable	Not applicable
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<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	4500 lacs
	<b>O &amp; M cost:</b>	50 lacs

## 51.Environmental Management plan Budgetary Allocation

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

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Dust Control	Dust Suppression	20
2	Site sanitation & safety	Sanitation	15
3	Pollution Control	Environmental monitoring	4
4	Occupational health	Health Check up	2
5	Pollution Control	Disinfection	1

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

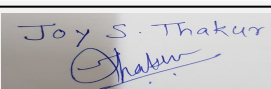
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Waste Water Management	STP	285	15
2	Waste Management	OWC	15	5
3	Green Belt	Tree Plantation	50	12
4	Energy Conservation measure	Solar PV system + Energy efficient equipment	4500	50
5	Water Conservation	Rain Water Harvesting	900	5
6	Pollution Control	Air, Water , Waste water & soil Monitoring	--	3
7	Pollution Control	Air, Water , Waste water & soil Monitoring	--	3
8	Drainage System	Laying of Storm & Sewer line up to final disposal point	15	4

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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Diesel	Proposed	DG & HSD Yard (near BLK B)	20 Kl	20 Kl	12.75 kl	Near by oil depot	By road

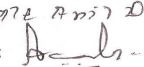
## 52.Any Other Information

No Information Available

  
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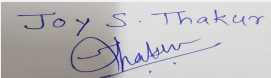


### 53. Traffic Management

	<b>Nos. of the junction to the main road &amp; design of confluence:</b>	2
<b>Parking details:</b>	<b>Number and area of basement:</b>	1 no. and 3816 sq. m.
	<b>Number and area of podia:</b>	None
	<b>Total Parking area:</b>	35694 Sq. M.
	<b>Area per car:</b>	26.19 sq. m
	<b>Area per car:</b>	26.19 sq. m
	<b>Number of 2-Wheelers as approved by competent authority:</b>	2503
	<b>Number of 4-Wheelers as approved by competent authority:</b>	555
	<b>Public Transport:</b>	Bus stop provided within site adjacent to main road
	<b>Width of all Internal roads (m):</b>	6.5 m, 9.0 m & 18.0 m
	<b>CRZ/ RRZ clearance obtain, if any:</b>	Not Applicable
	<b>Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries</b>	None in 10 km radius of Project Site
	<b>Category as per schedule of EIA Notification sheet</b>	B1 (8 (b))
	<b>Court cases pending if any</b>	NO
	<b>Other Relevant Informations</b>	No
	<b>Have you previously submitted Application online on MOEF Website.</b>	No
	<b>Date of online submission</b>	-

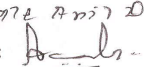
### SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

<b>Environmental Impacts of the project</b>	-
<b>Water Budget</b>	-
<b>Waste Water Treatment</b>	-

  
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Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-
Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-
<b>Brief information of the project by SEAC</b>	

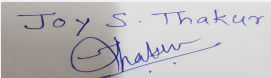
SEAC-AGENDA-000000431

PP had submitted application for prior Environmental clearance for total plot area of 240097.517 m<sup>2</sup>, FSI area of 154266 m<sup>2</sup>, Non FSI area of 59886 m<sup>2</sup> and total BUA of 2,14,152 m<sup>2</sup>.

The building configuration of the proposal is as below:

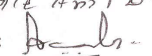
Building Name	Configuration	Height (m)
Security & Waiting & BLK A1	G	3.6
Bank & BLK A2	G	3.6
Health & wellness centre & BLK A3	G+2	11.25
Drivers/Workers Rest area BLK B	G+1	6.6
VC Residence & Office BLK C	G+1	6.9
Registrar RES & Office BLK D	G+1	6.9
Chancellors RES & Office & BLK E	G+1	6.9
Convection centre & Auditorium BLK F	G+3	27.25
Administartion Blocks	LG+G+2	16.35
Library BLK H	G+5	28.55
Academic Blocks BLK J	G+2	14.3
Sports Centre BLK K 1	G	14.05
Convenience Shops BLK K 2	B+G+4	3.5
MLCP BLK L	G+6	16.2
Boys hostel block BLK M	G+6	22.55
PG , International & 3rd Gender Hostel BLK N	G+6	22.55
Girls hostel block BLK P	G+2	22.55
Dining & Amenity Block BLK Q	G+4	14
Faculty club & Guest house BLK R	G+1	15.9
3 BHK Row Houses BLK S1/S2	LG+G+6	6.6
3 BHK Staff Residence BLK T	LG+G+6	23.4
2 BHK Staff Residence BLK U	S+7	24.8
1 BHK Staff Residence BLK V	G	24.8
Workers Dorm & Diary	G	7.3

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(b)B1.

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

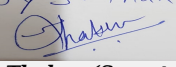
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**Name: K 072 Anil D.**  
**Signature: **  
**Shri. Anil Kale (Chairman  
 SEAC-III)**

DECISION OF SEAC

SEAC-AGENDA-00000000431

<p>Joy S. Thakur  Joy S.Thakur (Secretary SEAC-III)</p>	<p><b>SEAC Meeting No: 110 Meeting Date: June 25, 2020</b></p>	<p><b>Page 28 of 70</b></p>	<p><b>Name: K 072 Anil D.</b> <b>Signature: </b> <b>Shri. Anil Kale (Chairman SEAC-III)</b></p>
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**During discussion following points emerged:**

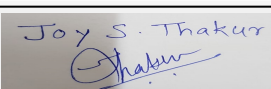
1. (K) PP to submit details of CER activities in consultation with the affected people in the project area as per MoEF&CC circular dt. 01.05.2018, along with details of fund utilization & agreement or consent of executor. PP to incorporate asset creation activities like provision of ambulance, electric cremation facility, solar energy for schools etc. instead of skill development. PP to submit details of health and wellness centre.
2. (V) PP to revise Traffic Impact Study clearly mentioning assumptions made, future projections of Traffic Volume on adjacent roads for 5-10-15 years calculating V/C ratios etc with complete details as follows: (a) Traffic Management Plan for the development - Internal circulation with road width should be revised with showing clear road width of 6 meters and turning radius of 9 meters; PP to submit cross section of roads at four places showing clear road width 6 meter , 1.5 meter distance left from building line, spaces left for plantation, footpath, service lines etc (b)Traffic Volume Counts and Turning Movement Counts on all the external surrounding roads of the proposed project showing the time period taken & revise table to be submitted. (c) Topographic details of roads and intersection of the surrounding roads where counts are taken, actual geometry on ground to be shown with dimensions. (d) Traffic generation values of similar development to be given by actual count by actual count as support data for assumption made to the particular project.
3. (V)PP to submit Parking Layout Plan for all Floors showing slope and width of the ramps. The ramps are shown with 3.5 m width, whereas minimum requirement is 6 m. PP to clarify and submit revised plans. PP to submit Parking Area Statement showing the number of cars and other vehicles required as per DCR and actually provided. Area Per Car calculations as per MOEF to be submitted for all levels.
4. (V) PP to submit drawing& sketches showing junction larger scale with geometry & showing traffic counts in detail and volume diagram.
5. (V) PP to submit parking layout plan for all the floors showing slope and width of the ramps.
6. (G) PP to submit cross section of all buildings.
7. (V) PP to submit parking area statement as per DCR.
8. (V) PP to submit cross section of basement showing width and slope of ramp.
9. (V) PP to submit details of basement parking.
10. PP to submit Evacuation Plan in detail with a report. Direction wise movement Plan for Occupants, Visitors showing the pathways for approaching the refuge floor/ground floor/assembly points with arrows and appropriate sign board to be provided. Pathways for movement of Cars/vehicles from both levels towards the appropriate exits should be indicated in the Plan with arrows. The travel distances should also be shown in the Plan and detailed time calculation for Evacuation of the cars/vehicles from various locations should be done. The same should then be tabulated and summarized mentioning the total time taken for evacuation of all vehicles with appropriate sign boards.
11. (V) PP to prepare consolidated report on traffic and vehicular pollution as a single chapter in EIA.
12. (G) PP to submit site specific executable and auditable EMP along with implementation plan and environmental management cell provision for construction and operation phase in EIA.
13. (G) PP to submit detail debris management plan; PP should not remove the debris haphazardly & dump it on road side.
14. (J) PP to submit internal storm water drain and sewer line arrangements up to final disposal point.
15. (B) PP to include carbon footprint estimations for operation & construction phase in EIA report.
16. (B) PP to submit STP design basis report.
17. (B) PP to explore possibility to install air monitoring station on site during construction as well as operation phase for ambient air quality monitoring.
18. (D) PP to include separate chapter on Renewable energy in EIA report. PP to submit terrace plan for installing solar panels& calculations of energy saving; PP to submit energy modelling with write-up support to this.
19. (T) PP to obtain and submit following NOC's: a) CFO NOC, b) Drainage NOC, c) Non-biodegradable waste disposal.
20. (T) PP to submit master layout superimposing all environmental parameters.
21. (C) PP to submit survival report of existing 432 trees with photographs.
22. PP to submit details of transplantation of trees indicating name and number of species.
23. PP to remove allergic plant Alestonia from proposed list of trees.
24. PP to submit RG plan for Phase-I and Phase-II. PP to incorporate local native fruit bearing and medicinal trees in plantation plan for Phase-I and II. PP to incorporate trees viz. (a) Artocarpus heterophyllus, (b) Madhuca Longigolia, (c) Moringa Olerifera, (d) Punica Granatum etc. in Phase-I.

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

**Specific Conditions by SEAC:**

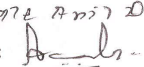
## FINAL RECOMMENDATION

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

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

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SEAC-III)**

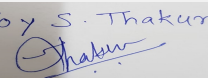
## Agenda for 110th SEAC-3 meeting scheduled 24-25-26 June, 2020 through Video Conference

**SEAC Meeting number: 110 Meeting Date June 25, 2020**

**Subject:** Environment Clearance for Hospital Component in Educational Campus

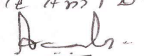
**Is a Violation Case:** Yes

<b>1.Name of Project</b>	M.M. Patel Public Charitable Trusts, Ashwini Rural Medical College, Hospital & Research Centre, Kumbhari, Solapur.
<b>2.Type of institution</b>	TOR
<b>3.Name of Project Proponent</b>	M.M. Patel Public Charitable Trusts
<b>4.Name of Consultant</b>	Ultra-Tech, Thane
<b>5.Type of project</b>	Hospital Project in Educational Campus
<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>	No.
<b>8.Location of the project</b>	Gat No. 261-262(1-7) At Akkalkot Road, Kumbhari.
<b>9.Taluka</b>	Solapur
<b>10.Village</b>	Kumbhari
<b>Correspondence Name:</b>	M.M. Patel Public Charitable Trusts
<b>Room Number:</b>	Gat No. 261-262(1-7) At Akkalkot Road, Kumbhari.
<b>Floor:</b>	-
<b>Building Name:</b>	-
<b>Road/Street Name:</b>	Akkalkot Road
<b>Locality:</b>	-
<b>City:</b>	Solapur
<b>11.Whether in Corporation / Municipal / other area</b>	Gram Panchayat Kumbhari
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	<p>Building Permission obtained from local body (Gram Panchayat Kumbhari) Dated 21/05/2011 . Now Applied for Building permission from Town Planning, Solapur with builtup area 67,667.91m<sup>2</sup> fir entire project. Out of which Hospital Component is 26,951.22Sq.m</p> <p><b>IOD/IOA/Concession/Plan Approval Number:</b> Building Permission obtained from local body (Gram Panchayat Kumbhari) Dated 21/05/2011 Now Applied for Building permission from Town Planning, Solapur with builtup area 67,667.91m<sup>2</sup> fir entire project. Out of which Hospital Component is 26,951.22Sq.m Hospital Building = 26,951.22Sq.m Building Permission obtained from local body (Gram Panchayat Kumbhari) Dated 21/05/2011 Earlier Consent to Operate was obtained from MPCB vide BO/CAC-Cell/CCA/CAC-177001171 dated 27.07.2017 Valid upto 31.05.2019 for Hospital of bed 500 nos. and Total Construction BUA (part) of 17,355 sq.m. (BUA was below 20,000 sq.m. i.e. 17,355 sq.m)</p> <p><b>Approved Built-up Area:</b> 26951.22</p>
<b>13.Note on the initiated work (If applicable)</b>	Building Permission obtained from local body (Gram Panchayat Kumbhari) Dated 21/05/2011 Earlier Consent to Operate was obtained from MPCB vide BO/CAC-Cell/CCA/CAC-177001171 dated 27.07.2017 Valid upto 31.05.2019 for Hospital of bed 500 nos. and Total Construction BUA (part) of 17,355 sq.m. (BUA was below 20,000 sq.m. i.e. 17,355 sq.m)
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	Building Permission obtained from local body (Gram Panchayat Kumbhari) Dated 21/05/2011 Now Applied for Building permission from Town Planning, Solapur with builtup area 67,667.91m <sup>2</sup> fir entire project. Out of which Hospital Component is 26,951.22Sq.m
<b>15.Total Plot Area (sq. m.)</b>	110100 Sq.m
<b>16.Deductions</b>	16858.69 Sq.m
<b>17.Net Plot area</b>	93241.31 Sq.m
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> 26,951.22Sq.m
	<b>b) Non FSI area (sq. m.):</b> -
	<b>c) Total BUA area (sq. m.):</b> 26951.22

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

18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 26951.22
	Approved Non FSI area (sq. m.): -
	Date of Approval: 21-05-2011
19.Total ground coverage (m2)	7510.88
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	8.05 % of plot area
21.Estimated cost of the project	486800000

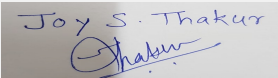
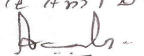
## 22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Hospital (560 beds)	04	15
23.Number of tenants and shops	560 beds		
24.Number of expected residents / users	Patients -550, staff - 275 visitors - 550		
25.Tenant density per hectare	Not applicable		
26.Height of the building(s)			
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	24m		
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9m		
29.Existing structure (s) if any	Existing Hospital Building already constructed		
30.Details of the demolition with disposal (If applicable)	No demolition involved.		

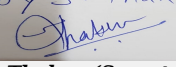
## 31.Production Details

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

## 32.Total Water Requirement

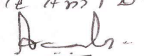
 <b>Joy S.Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 110 Meeting Date: June 25, 2020</b>	<b>Page 31 of 70</b>	<b>Name: K. Anil Kale</b>  <b>Signature: Shri. Anil Kale (Chairman SEAC-III)</b>
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<b>Dry season:</b>	<b>Source of water</b>	Through tanker & Bore well								
	<b>Fresh water (CMD):</b>	268 (Domestic + Flushing)								
	<b>Recycled water - Flushing (CMD):</b>	Nil								
	<b>Recycled water - Gardening (CMD):</b>	103 (On RG area of 7,900 sq.m. and Open play ground area of 37,195 sq.m.)								
	<b>Swimming pool make up (Cum):</b>	Not applicable								
	<b>Total Water Requirement (CMD) :</b>	371								
	<b>Fire fighting - Underground water tank(CMD):</b>	600 M3 capacity.								
	<b>Fire fighting - Overhead water tank(CMD):</b>	100 M3 capacity								
	<b>Excess treated water</b>	125								
<b>Wet season:</b>	<b>Source of water</b>	Through tanker & Bore well								
	<b>Fresh water (CMD):</b>	268 (Domestic + Flushing)								
	<b>Recycled water - Flushing (CMD):</b>	Nil								
	<b>Recycled water - Gardening (CMD):</b>	-								
	<b>Swimming pool make up (Cum):</b>	Not applicable								
	<b>Total Water Requirement (CMD) :</b>	268								
	<b>Fire fighting - Underground water tank(CMD):</b>	600 M3 capacity.								
	<b>Fire fighting - Overhead water tank(CMD):</b>	100 M3 capacity								
	<b>Excess treated water</b>	228								
<b>Details of Swimming pool (If any)</b>	NA									
<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>	
Fresh water requirement	182	00	182	18	0	18	164	0	164	
Domestic	87	0	87	9	0	9	78	0	78	
Gardening	103	0	103	103	0	103	0	0	0	

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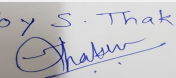
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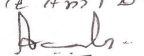


<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	150 to 200 mtrs below ground
	<b>Size and no of RWH tank(s) and Quantity:</b>	Nil
	<b>Location of the RWH tank(s):</b>	NA
	<b>Quantity of recharge pits:</b>	1 borewell with recharge pit is provided with recharge pit.
	<b>Size of recharge pits :</b>	3 m x 3 m
	<b>Budgetary allocation (Capital cost) :</b>	Rs. 5 Lacs
	<b>Budgetary allocation (O &amp; M cost) :</b>	Rs. 0.5 Lacs/year
	<b>Details of UGT tanks if any :</b>	Domestic 700 me
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	1 no. of natural nalla is passing through the project premises. Site sloping from North to South.
	<b>Quantity of storm water:</b>	0.58 Cum/sec
	<b>Size of SWD:</b>	Depth 0.9 mtrs and Width 1.52 mtrs
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	241
	<b>STP technology:</b>	MMBR
	<b>Capacity of STP (CMD):</b>	1 no. 400 KLD *(Common for educational institute and hospital)
	<b>Location &amp; area of the STP:</b>	as per plan
	<b>Budgetary allocation (Capital cost):</b>	60 lakh
	<b>Budgetary allocation (O &amp; M cost):</b>	7 lakh
<b>36.Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	nil
	<b>Disposal of the construction waste debris:</b>	not any
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	150 kg/day
	<b>Wet waste:</b>	250 kg/day
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	138 kg/day
	<b>STP Sludge (Dry sludge):</b>	36 kg/day
	<b>Others if any:</b>	-

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<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	handed over to local body or is segregated and disposed off to recycler
	<b>Wet waste:</b>	vermicomposting
	<b>Hazardous waste:</b>	-
	<b>Biomedical waste (If applicable):</b>	handed over to CBMWTSDF
	<b>STP Sludge (Dry sludge):</b>	used as manure
	<b>Others if any:</b>	-
<b>Area requirement:</b>	<b>Location(s):</b>	ground
	<b>Area for the storage of waste &amp; other material:</b>	60 sqm
	<b>Area for machinery:</b>	included in above
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	8 lakh
	<b>O &amp; M cost:</b>	3 lakh/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):		2			
Capacity of the ETP:		2			
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		Primary treatment			
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

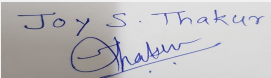
### 39. Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	500 kVA DG	HSD @0.21 l/hr	1	4.4 m above ground	0.15	400 C

### 40. Details of Fuel to be used

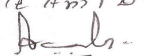
Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	0.21 l/hr	Not applicable	0.21 l/hr

41. Source of Fuel	through vendor
42. Mode of Transportation of fuel to site	by road

  
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<b>43.Green Belt Development</b>	<b>Total RG area :</b>	7900 sqm + open play ground area 37195 sqm
	<b>No of trees to be cut :</b>	NA
	<b>Number of trees to be planted :</b>	1165
	<b>List of proposed native trees :</b>	as given below
	<b>Timeline for completion of plantation :</b>	one year

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Polyalthia longifolia	ashoka	540	evergreen long leaf tree
2	Phyllanthus officinalis	Awala	400	medicinal fruit bearing
3	Bougainvillea spectabilis	Kagadi phool	100	ornamental tree attracting bees
4	Syzigium cummini	Jambhul	200	Fruit bearing medicinal tree

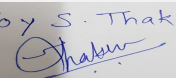
#### 45.Total quantity of plants on ground

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

Serial Number	Name	C/C Distance	Area m2
1	tagar	2 feet	200
2	Hibiscus	2 feet	300
3	champak	2 feet	250

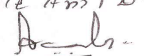
#### 47.Energy

<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	--
	<b>DG set as Power back-up during construction phase</b>	--
	<b>During Operation phase (Connected load):</b>	430 kVA
	<b>During Operation phase (Demand load):</b>	430 kVA
	<b>Transformer:</b>	500 kVA
	<b>DG set as Power back-up during operation phase:</b>	500kVA
	<b>Fuel used:</b>	HSD
<b>Details of high tension line passing through the plot if any:</b>	NA	

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

Solar water heater

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

Serial Number	Energy Conservation Measures	Saving %
1	solar water heater	10%

**50. Details of pollution control Systems**

Source	Existing pollution control system	Proposed to be installed
STP	installed STP of capacity 400 CMD	Not applicable
Vermicomposting	Already operational	Not applicable
DG Set	Provided acaustic enclosure	Not applicable

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

**51. Environmental Management plan Budgetary Allocation****a) Construction phase (with Break-up):**

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	--	--	--

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

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Waste water	STP	60	7
2	storm water	RWH	5	0.5
3	Solid waste	vermicomposting	8	3
4	BMW	handed over	--	3
5	landscape	RG area	15	2
6	environment monitoring	as per CPCB guidelines	--	1

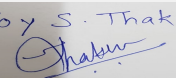
**51. Storage of chemicals (inflammable/explosive/hazardous/toxic substances)**

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

**52. Any Other Information**

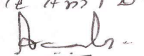
No Information Available

**53. Traffic Management**

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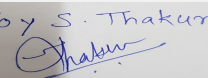
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	Nos. of the junction to the main road & design of confluence:	1
Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	9089 sqm
	Area per car:	12.5 m excluding driveway
	Area per car:	12.5 m excluding driveway
	Number of 2-Wheelers as approved by competent authority:	1434
	Number of 4-Wheelers as approved by competent authority:	298
	Public Transport:	Local buses
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8 (a)
	Court cases pending if any	NA
	Other Relevant Informations	Earlier Consent to Operate was obtained from MPCB vide BO/CAC-Cell/CCA/CAC-177001171 dated 27.07.2017 Valid upto 31.05.2019 for Hospital of bed 500 nos. and Total Construction BUA (part) of 17,355 sq.m. (BUA was below 20,000 sq.m. i.e. 17,355 sq.m)
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

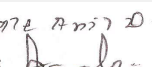

### TOR Suggested Changes

Consolidated Statement Point Number	Original Remarks	Submitted Changes
2. Type of institution	TOR	Private
4. Name of Consultant	Ultra-Tech, Thane	ULTRA TECH, NABET/EIA/1720/RA0094

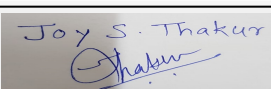
  
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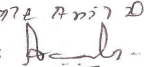
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Signature:   
Shri. Anil Kale (Chairman SEAC-III)

12. IOD/IOA/Concession/Plan Approval Number	Building Permission obtained from local body (Gram Panchayat Kumbhari) Dated 21/05/2011. Now Applied for Building permission from Town Planning, Solapur with built-up area 67,667.91m2 fir entire project. Out of which Hospital Component is 26,951.22Sq.m	Building Permission obtained from local body (Gram Panchayat Kumbhari) Dated 21/05/2011. Now Applied for Building permission from Town Planning, Solapur with built-up area 67,667.91m2 for entire project. Out of which Hospital Component is 30,381.85 Sq.m
12. IOD/IOA/Concession/Plan Approval Number	IOD/IOA/Concession/Plan Approval Number: Building Permission obtained from local body (Gram Panchayat Kumbhari) Dated 21/05/2011 Now Applied for Building permission from Town Planning, Solapur with built-up area 67,667.91m2 fir entire project. Out of which Hospital Component is 26,951.22Sq.m Hospital Building = 26,951.22Sq.m Building Permission obtained from local body (Gram Panchayat Kumbhari) Dated 21/05/2011 Earlier Consent to Operate was obtained from MPCB vide BO/CAC-Cell/CCA/CAC-177001171 dated 27.07.2017 Valid up to 31.05.2019 for Hospital of bed 500 nos. and Total Construction BUA (part) of 17,355 sq.m. (BUA was below 20,000 sq.m. i.e. 17,355 sq.m)	IOD/IOA/Concession/Plan Approval Number: Building Permission obtained from local body (Gram Panchayat Kumbhari) Dated 21/05/2011. Now Applied for Building permission from Town Planning, Solapur with built-up area 67,667.91m2 for entire project. Earlier Consent to Operate was obtained from MPCB vide BO/CAC-Cell/CCA/CAC-177001171 dated 27.07.2017. For Hospital of bed 300 nos. and Total Construction BUA (part) of 17,355 sq.m. (BUA was below 20,000 sq.m. i.e. 17,355 sq.m)
14. LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Building Permission obtained from local body (Gram Panchayat Kumbhari) Dated 21/05/2011 Now Applied for Building permission from Town Planning, Solapur with built-up area 67,667.91m2 fir entire project. Out of which Hospital Component is 26,951.22Sq.m	Not applicable
18 (a) Proposed Built-up Area (FSI & Non-FSI)	Non FSI area (sq. m.): - , Total BUA area (sq. m.): 26951.22	Non FSI area (sq. m.): 3,430.63, Total BUA area (sq. m.): 30,381.85
18(b) Approved Built up area as per DCR	Approved FSI area (sq. m.): 26951.22, Approved Non FSI area (sq. m.): -	Approved FSI area (sq. m.): 26,951.22, Approved Non FSI area (sq. m.): 3,430.63
22. Number of buildings & its configuration	Serial number - 1, Building Name - Hospital (560 beds), No. of Floors - 04, Height of the building (Mtrs) - 15	Serial number - 1, Building Name - Hospital (560 beds), No. of Floors - G+4, Height of the building (Mtrs)- 15
29. Existing structure (s) if any	Existing Hospital Building already constructed	Ashwini Rural Medical College, Hospital & Research Centre - Hospital Component in Educational Campus of built up area 30,381.85 m2 had already been constructed.
34. Rain Water Harvesting (RWH) - Quantity of recharge pits:	1 bore well with recharge pit is provided with recharge pit.	2 no. of recharge pits
44. Green Belt Development - Number of trees to be planted :	1165	1026 Nos.
45. Number and list of trees species to be planted in the ground	Botanical Name - Polyalthia lomgifolia, Common Name - Ashoka, Characteristics & Ecological Importance - Evergreen long leaf tree, Quantity - 540 nos.	Botanical Name - Vachellia nilotica, Common Name - Babul, Characteristics & Ecological Importance - Medicinal use, Quantity - 15 nos.
45. Number and list of trees species to be planted in the ground	Botanical Name - Phyllanthus officinalis, Common Name - Awala, Characteristics & Ecological Importance - medicinal fruit bearing, Quantity - 400 nos.	Botanical Name - Peltophorum pterocarpum, Common Name - Copper pod, Characteristics & Ecological Importance - Evergreen Tree, Ornamental value, medicinal & agroforestry use, Quantity - 185 nos.
45. Number and list of trees species to be planted in the ground	Botanical Name - Bouganvillea spectabilis, Common Name - Kagadi phool, Characteristics & Ecological Importance - ornamental tree attracting bees, Quantity - 100 nos.	Botanical Name - Alstonia scholaris, Common Name - Saptarni, Characteristics & Ecological Importance - Medicinal use, anti-bacterial properties, Quantity - 225 nos.

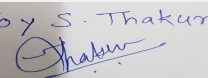
  
Joy S.Thakur (Secretary  
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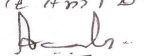
**Name:** K. Anil Kale  
**Signature:**   
**Shri. Anil Kale (Chairman  
SEAC-III)**

45. Number and list of trees species to be planted in the ground	Botanical Name - Syzgium cummini, Common Name - Jambhul, Characteristics & Ecological Importance - Fruit bearing medicinal tree, Quantity - 200 nos.	Botanical Name - Delonix regia, Common Name - Gulmohar, Characteristics & Ecological Importance - Native trees and ornamental value, Quantity - 100 nos.
45. Number and list of trees species to be planted in the ground	Botanical Name - -, Common Name - -, Characteristics & Ecological Importance - -, Quantity - -.	Botanical Name - Ficus benjamina, Common Name - Weeping fig, Characteristics & Ecological Importance - Medicinal & agroforestry use, Quantity - 50 nos.
45. Number and list of trees species to be planted in the ground	Botanical Name - -, Common Name - -, Characteristics & Ecological Importance - -, Quantity - -.	Botanical Name - Azadirachta indica, Common Name - Kadu Neem, Characteristics & Ecological Importance - Drought resistance, anti-desertification properties and medicinal use, Quantity - 230 nos.
45. Number and list of trees species to be planted in the ground	Botanical Name - -, Common Name - -, Characteristics & Ecological Importance - -, Quantity - -.	Botanical Name - Ficus racemosa, Common Name - Audumber, Characteristics & Ecological Importance - medicinal use, Quantity - 05 nos.
45. Number and list of trees species to be planted in the ground	Botanical Name - -, Common Name - -, Characteristics & Ecological Importance - -, Quantity - -.	Botanical Name - Ficus religiosa, Common Name - Pipal, Characteristics & Ecological Importance - Tree with wide-spreading crown ( Shade tree), Medicinal Use, Quantity - 01 nos.
45. Number and list of trees species to be planted in the ground	Botanical Name - -, Common Name - -, Characteristics & Ecological Importance - -, Quantity - -.	Botanical Name - Ficus benghalensis, Common Name - Banyan tree, Characteristics & Ecological Importance - Shade tree, medicinal use & cultural importance, Quantity - 09 nos.
45. Number and list of trees species to be planted in the ground	Botanical Name - -, Common Name - -, Characteristics & Ecological Importance - -, Quantity - -.	Botanical Name - Cocos nucifera, Common Name - Coconut, Characteristics & Ecological Importance - Medicinal value & edible fruit, Quantity - 04 nos.
45. Number and list of trees species to be planted in the ground	Botanical Name - -, Common Name - -, Characteristics & Ecological Importance - -, Quantity - -.	Botanical Name - Saraca asoca, Common Name - Ashoka, Characteristics & Ecological Importance - Health benefits and native tree, Quantity - 50 nos.
45. Number and list of trees species to be planted in the ground	Botanical Name - -, Common Name - -, Characteristics & Ecological Importance - -, Quantity - -.	Botanical Name - Spathodea campanulata, Common Name - Pechkari flame, Characteristics & Ecological Importance - Ornamental value & medicinal value, Quantity - 38 nos.
45. Number and list of trees species to be planted in the ground	Botanical Name - -, Common Name - -, Characteristics & Ecological Importance - -, Quantity - -.	Botanical Name - Mangifera indica, Common Name - Mango, Characteristics & Ecological Importance - Evergreen & fruit bearing tree; and medicinal use, Quantity - 07 nos.
45. Number and list of trees species to be planted in the ground	Botanical Name - -, Common Name - -, Characteristics & Ecological Importance - -, Quantity - -.	Botanical Name - Michelia champaca, Common Name - Son chafa, Characteristics & Ecological Importance - Evergreen tree, has commercial value & possesses various pharmacological activities like anti-microbial, anti-oxidant, anti-diabetic, anti-ulcer, Quantity - 20 nos.
45. Number and list of trees species to be planted in the ground	Botanical Name - -, Common Name - -, Characteristics & Ecological Importance - -, Quantity - -.	Botanical Name - Samanea saman, Common Name - Rain tree, Characteristics & Ecological Importance - Shade tree, cultivated for its timber and as food, medicine, and gums among others, Quantity - 60 nos.
45. Number and list of trees species to be planted in the ground	Botanical Name - -, Common Name - -, Characteristics & Ecological Importance - -, Quantity - -.	Botanical Name - Dalbergia sissoo, Common Name - Shisham, Characteristics & Ecological Importance - Used as firewood, timber, poles, posts, tool handles, fodder, erosion control and as a windbreak. Oil is extracted from the seed and tannin from the bark, Quantity - 10 nos.

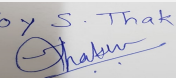
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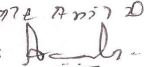
**Name:** K. Anil Kale  
  
**Signature:**  
**Shri. Anil Kale (Chairman SEAC-III)**

45. Number and list of trees species to be planted in the ground	Botanical Name - -, Common Name - -, Characteristics & Ecological Importance - -, Quantity - -.	Botanical Name - Pongamia glabra, Common Name - Karanj, Characteristics & Ecological Importance - Shade tree. Multipurpose tree - particularly valued for its oil & also supplies dyestuff, wood, fuel, insect repellent, medicines and various other commodities, Quantity - 06 nos.
45. Number and list of trees species to be planted in the ground	Botanical Name - -, Common Name - -, Characteristics & Ecological Importance - -, Quantity - -.	Botanical Name - Anthocephallus cadamba, Common Name - Kadam, Characteristics & Ecological Importance - medicinal use, Quantity - 01 nos.
45. Number and list of trees species to be planted in the ground	Botanical Name - -, Common Name - -, Characteristics & Ecological Importance - -, Quantity - -.	Botanical Name - Hyophorbe lagenicaulis, Common Name - Bottle palm, Characteristics & Ecological Importance - Ornamental Use, Quantity - 10 nos.
47. Number and list of shrubs and bushes species to be planted in the podium RG:	Name - tagar, C/C Distance - 2 feet, Area m2 - 200	Name - Alpinia purpurata, C/C Distance - 3420 feet, Area m2 --
47. Number and list of shrubs and bushes species to be planted in the podium RG:	Name - Hibiscus, C/C Distance - 2 feet, Area m2 - 300	Name - Ixora coccinea, C/C Distance - 3420 feet, Area m2 --
47. Number and list of shrubs and bushes species to be planted in the podium RG:	Name - champak, C/C Distance - 2 feet, Area m2 - 250	Name - Schefflera arboricola, C/C Distance - 3518 feet, Area m2 --
47. Number and list of shrubs and bushes species to be planted in the podium RG:	Name - -, C/C Distance - -, Area m2 --	Name - Acalypha wilkesiana, C/C Distance - 5342 feet, Area m2 --
47. Number and list of shrubs and bushes species to be planted in the podium RG:	Name - -, C/C Distance - -, Area m2 --	Name - Allamanda cathartica, C/C Distance - 3000 feet, Area m2 --
47. Number and list of shrubs and bushes species to be planted in the podium RG:	Name - -, C/C Distance - -, Area m2 --	Name - Duranta erecta, C/C Distance - 3000 feet, Area m2 --
47. Number and list of shrubs and bushes species to be planted in the podium RG:	Name - -, C/C Distance - -, Area m2 --	Name - Tabernaemontana divaricata, C/C Distance - 1600 feet, Area m2 --
47. Number and list of shrubs and bushes species to be planted in the podium RG:	Name - -, C/C Distance - -, Area m2 --	Name - Alpinia variegata, C/C Distance - 3400 feet, Area m2 --
47. Number and list of shrubs and bushes species to be planted in the podium RG:	Name - -, C/C Distance - -, Area m2 --	Name - Alocasia cucullata, C/C Distance - 1200 feet, Area m2 --
47. Number and list of shrubs and bushes species to be planted in the podium RG:	Name - -, C/C Distance - -, Area m2 --	Name - Rhapsis excelsa,, C/C Distance - 2645 feet, Area m2 --
47. Number and list of shrubs and bushes species to be planted in the podium RG:	-	Shrubs and bushes species had been planted on the ground(virgin land).

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



52.Environmental Management plan Budgetary Allocation - b) Operation Phase (with Break-up):	-	Serial Number - 7, Component - RO Unit, Description - Cost of RO Units, Capital cost Rs. In Lacs - 06, Operational and Maintenance cost (Rs. in Lacs/yr) - 0.2
52.Environmental Management plan Budgetary Allocation - b) Operation Phase (with Break-up):	-	Serial Number - 8, Component - Total, Description - -, Capital cost Rs. In Lacs - 94, Operational and Maintenance cost (Rs. in Lacs/yr) - 16.7

## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-
Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

## Brief information of the project by SEAC

 <b>Joy S.Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 110 Meeting Date: June 25, 2020</b>	<b>Page 41 of 70</b>	<b>Name: Kote Anil D.</b> <b>Signature: </b> <b>Shri. Anil Kale (Chairman SEAC-III)</b>
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PP had submitted application for prior Environmental clearance for total plot area of 1,10,100 m<sup>2</sup>, FSI area of 26,951.22 m<sup>2</sup>, Non FSI area of 3,430.63 m<sup>2</sup> and total BUA of 30,381.85 m<sup>2</sup>.

The building configuration of the proposal is: Hospital : - Ground + 4 ( Height 15 m)

PP has applied as per the MoEF&CC Notification dated 14/03/2017 and 8/03/2018.

PP was issued Terms of Reference for undertaking Environment Impact Assessment (EIA) and preparation of Environment Management Plan (EMP). Accordingly, PP has submitted Environment Impact Assessment (EIA) and Environment Management Plan (EMP).

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

### During discussion following points emerged:

1. PP to submit test reports of vermicomposting facility
2. PP to incorporate pre-oxidation system in STP.
3. The committee noted that Cost of remediation plan and natural & community resource augmentation plan as per revised approach paper is estimated as Rs. 1.19 Cr. The Committee also noted that the amount of CER as per MoEF & CC circular dated 1/05/2018 is Rs. 19.58 Lakh which is less than the remediation / augmentation plan. Therefore committee decided to obtain Bank Guarantee of Rs 1.19 Cr for the project completion period.

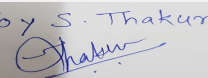
SEAC decided to **recommend** the proposal for prior environmental Clearance, subject to PP complying with the above conditions.

### Specific Conditions by SEAC:

- 1) The committee noted that Cost of remediation plan and natural & community resource augmentation plan as per revised approach paper is estimated as Rs. 1.19 Cr. The Committee also noted that the amount of CER as per MoEF & CC circular dated 1/05/2018 is Rs. 19.58 Lakh which is less than the remediation / augmentation plan. Therefore committee decided to obtain Bank Guarantee of Rs 1.19 Cr for the project completion period.

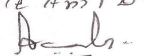
## FINAL RECOMMENDATION

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

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SEAC-III)

## Agenda for 110th SEAC-3 meeting scheduled 24-25-26 June, 2020 through Video Conference

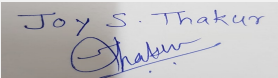
**SEAC Meeting number: 110 Meeting Date June 25, 2020**

**Subject:** Environment Clearance for Proposed Township Project Gatha Gram at Dehu village, Pune by Harit Landmarks LLP

**Is a Violation Case:** No

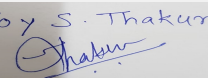
1.Name of Project	Gatha Gram
2.Type of institution	Private
3.Name of Project Proponent	M/s. Harit Landmarks LLP
4.Name of Consultant	Building Environment India Pvt. Ltd.
5.Type of project	Township project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Survey No. 24, 25, 26
9.Taluka	Haveli
10.Village	Dehu
Correspondence Name:	Mr. Sachin Kankaria
Room Number:	B-603
Floor:	NA
Building Name:	Orange Province
Road/Street Name:	NA
Locality:	Pimple Nilakh
City:	Pune - 411027
11.Whether in Corporation / Municipal / other area	PMRDA
12.IOD/IOA/Concession/Plan Approval Number	Full Potential Sanction
	<b>IOD/IOA/Concession/Plan Approval Number:</b> In Process
	<b>Approved Built-up Area:</b> 431096.86
13.Note on the initiated work (If applicable)	Not applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	184500 Sq.M.
16.Deductions	14364.68 Sq.M.
17.Net Plot area	170135.32 Sq.M.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 2,63,108.76 Sq.M.
	b) Non FSI area (sq. m.): 167988.10 Sq.M.
	c) Total BUA area (sq. m.): 431096.86
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 263108.76
	Approved Non FSI area (sq. m.): 167988.10
	Date of Approval: 01-01-1900
19.Total ground coverage (m2)	36060.76
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	21.19%
21.Estimated cost of the project	4790000000

### 22.Number of buildings & its configuration

 <b>Joy S.Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 110 Meeting Date: June 25, 2020</b>	<b>Page 43 of 70</b>	<b>Name: K. Anil Kale</b>  <b>Shri. Anil Kale (Chairman SEAC-III)</b>
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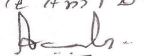
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Bldg. 1 (Residential -Tower)	2P+12	39
2	Bldg. 2 (Commercial- Service Appt)	2P+5	24
3	Bldg. 3 (Commercial - Hotel)	2P+5	24
4	Bldg. 4 (Hospital Bldg.)	2P+7	32.40
5	Bldg. 5, Bldg. 6 (Commercial-offices)	2P+G+10	43.20
6	Bldg. 7, Bldg. 8, Bldg. 9 (Commercial- Retail)	2P+10	43.20
7	Bldg. 10 to Bldg. 13 (Residential Bldgs.)	2P+12	39
8	Bldg. 14 to Bldg. 35 (Residential Bldgs.)	2P+12	39
9	Bldg. 36, Bldg. 37 (Club House)	G	3.60
10	Bldg. 38 (Community Center)	G+1	9.0
11	Bldg. 39 (School Bldg.)	G+3	14.40
12	Bldg. 40 (Residential-Senior Citizen)	2P+8	30
13	Bldg. 41 to Bldg. 44 (Residential-Compact Housing)	2P+9	33
14	Bldg. 45 to Bldg. 53 (Residential-Quandra Pix)	G+2	9
15	Bldg. 55, Bldg. 56 (Commercial - Shops)	G	4.20

<b>23.Number of tenants and shops</b>	Residential: 2698 Nos. ; Commercial Offices: 230 Nos; Commercial shops: 268 Nos; Services Apartment- 187 Nos; Hotel - 1 No; Community Center - 1; School - 1 No; Hospital -1 No. ; Club House - 2 Nos.
<b>24.Number of expected residents / users</b>	Total 35244 Nos. (Residential : 12,687 Nos. + Commercial: 22,133 Nos.)
<b>25.Tenant density per hectare</b>	250
<b>26.Height of the building(s)</b>	
<b>27.Right of way (Width of the road from the nearest fire station to the proposed building(s))</b>	10m to 20m
<b>28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation</b>	9m
<b>29.Existing structure (s) if any</b>	Not Applicable
<b>30.Details of the demolition with disposal (If applicable)</b>	Not Applicable

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### 31. Production Details

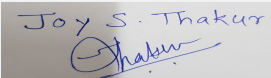
Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

### 32. Total Water Requirement

<b>Dry season:</b>	Source of water	Maharashtra Jeevan Pradhikaran (MJP)							
	Fresh water (CMD):	1510							
	Recycled water - Flushing (CMD):	917							
	Recycled water - Gardening (CMD):	70							
	Swimming pool make up (Cum):	11.37							
	<b>Total Water Requirement (CMD) :</b>	<b>2497</b>							
	Fire fighting - Underground water tank(CMD):	1700							
	Fire fighting - Overhead water tank(CMD):	130							
	Excess treated water	978							
<b>Wet season:</b>	Source of water	Maharashtra Jeevan Pradhikaran (MJP)							
	Fresh water (CMD):	1510							
	Recycled water - Flushing (CMD):	917							
	Recycled water - Gardening (CMD):	0							
	Swimming pool make up (Cum):	11.37							
	<b>Total Water Requirement (CMD) :</b>	<b>2427</b>							
	Fire fighting - Underground water tank(CMD):	1700							
	Fire fighting - Overhead water tank(CMD):	130							
	Excess treated water	1048							
<b>Details of Swimming pool (If any)</b>	Swimming Pool Proposed: 1 No Dimensions: 25m x 12.50m ; Depth : 1.20m								

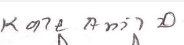
### 33. Details of Total water consumed

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

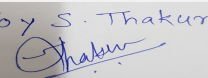
  
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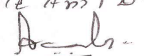
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**Signature: Shri. Anil Kale (Chairman SEAC-III)**

<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	10m
	<b>Size and no of RWH tank(s) and Quantity:</b>	NA
	<b>Location of the RWH tank(s):</b>	NA
	<b>Quantity of recharge pits:</b>	4 Nos.
	<b>Size of recharge pits :</b>	5m x 2m x 2m
	<b>Budgetary allocation (Capital cost) :</b>	Rs. 35 Lakh
	<b>Budgetary allocation (O &amp; M cost) :</b>	Rs. 7.35 Lakh/ year
	<b>Details of UGT tanks if any :</b>	Total 11 Nos. of UGT proposed.
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	South West to North East Direction
	<b>Quantity of storm water:</b>	78915 Cum per year
	<b>Size of SWD:</b>	2 Nos. x 1200mm
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	2184 KLD
	<b>STP technology:</b>	Engineered Constructed Wetland Technology (Phytorid)
	<b>Capacity of STP (CMD):</b>	Total 5 Nos. of STP ( 1 x 1100KLD, 1 x560KLD, 1 x 400KLD, 1 x75 KLD, 1 x55 KLD capacity)
	<b>Location &amp; area of the STP:</b>	Near Bldg. 1, Near Bldg. 3, Near Bldg. 38, Near Bldg. 53, Near Bldg. 35
	<b>Budgetary allocation (Capital cost):</b>	Rs. 750 Lakh
	<b>Budgetary allocation (O &amp; M cost):</b>	Rs. 40 Lakh / year
<b>36.Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	Debris generation: 129675.43 Cu.M.
	<b>Disposal of the construction waste debris:</b>	129675.43 Cu.M.Debris will be used in leveling, back-filling purpose. No any debris will be disposed out site of project site
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	5860.55 Kg/day
	<b>Wet waste:</b>	5820Kg/day
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	45 Kg/day
	<b>STP Sludge (Dry sludge):</b>	66 Kg/day
	<b>Others if any:</b>	E- Waste

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<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Collected & Disposed through authorized agency (SWaCH Organisation)
	<b>Wet waste:</b>	Treated in Organic Waste Converter (OWC) & will be used as manure in landscape
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	Collected & Disposed through authorized agency
	<b>STP Sludge (Dry sludge):</b>	Treated in Organic Waste Converter (OWC) & will be used as manure in landscape - Total 5 Nos of OWC proposed
	<b>Others if any:</b>	Collected & Disposed through authorized agency
<b>Area requirement:</b>	<b>Location(s):</b>	Near Bldg. 38
	<b>Area for the storage of waste &amp; other material:</b>	415.1 Sq.M.
	<b>Area for machinery:</b>	89.9 Sq.M.
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs. 110 Lakh
	<b>O &amp; M cost:</b>	Rs. 27.63 Lakh/year

### 37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		85 KLD			
Capacity of the ETP:		100 KLD			
Amount of treated effluent recycled :		85 KLD			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		MBBR			
Disposal of the ETP sludge		Not applicable			

### 38. Hazardous Waste Details

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

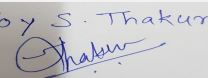
### 39. Stacks emission Details

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

### 40. Details of Fuel to be used

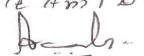
Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable

41. Source of Fuel	Not applicable
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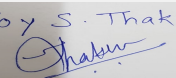
Name: K. Anil Kale  
  
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42.Mode of Transportation of fuel to site	Not applicable
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<b>43.Green Belt Development</b>	<b>Total RG area :</b>	41082.69 Sq.M.
	<b>No of trees to be cut :</b>	22 Nos.
	<b>Number of trees to be planted :</b>	3146 Nos.
	<b>List of proposed native trees :</b>	Attached
	<b>Timeline for completion of plantation :</b>	5 years

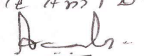
#### 44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Magnolea champaca	Chapha	46	Native Tree
2	Capparis divaricata	Pachunda	46	Native Tree
3	Crateva magna	Bama	46	Native Tree
4	Cochlospermum religiosa	Ganeri	46	Native Tree
5	Flacourtia indica	Athrana	46	Native Tree
6	Hydnocarpus pentandra	--	46	Native Tree
7	Calophyllum inophyllum	Surangi	45	Native Tree
8	Kydia calycina	Ranbhendi	45	Native Tree
9	Bombax ceiba	Kate Sawar	45	Native Tree
10	Pterospermum acrifolium	Muchkund	45	Native Tree
11	Sterculia urens	Bhut	45	Native Tree
12	Erinocarpus nimmonii	Cher	45	Native Tree
13	Grewia nervosa	Shirali	50	Native Tree
14	Aegle marmelos	Bel	50	Native Tree
15	Chloroxylon swietenia	Behru	50	Native Tree
16	Limonia acidissima	Kavath	50	Native Tree
17	Ailanthus excelsa	Maharukh	50	Native Tree
18	Boswellia serrata	Salai	50	Native Tree
19	Azadirachta indica	Kadu nimb	70	Native Tree
20	Ziziphus species	Bor	60	Native Tree
21	Schleichera oleosa	Kusumb	50	Native Tree
22	Holigarna arnottiana	Ranbiba	50	Native Tree
23	Butea monosperma	Palas	50	Native Tree
24	Dalbargia paniculata	Phansi	50	Native Tree
25	Dalbargia sisoo	Shisham	50	Native Tree
26	Erythrina stricta	Pangara	50	Native Tree
27	Pongomia pinnata	Karanj	50	Native Tree

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**Signature: Anil Kale**  
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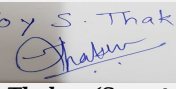
28	Pterocarpus marsupium	Bija	50	Native Tree
29	Bauhinia racemosa	Apta	40	Native Tree
30	Cassia fistula	Bahava	50	Native Tree
31	Tamarindus indica	Chinch	60	Native Tree
32	Acacia nilotica	Babul	50	Native Tree
33	Albizia procera	Pandhra shirish	50	Native Tree
34	Anogeisous latifolia	Dhavda	50	Native Tree
35	Terminalia bellirica	Behada	50	Native Tree
36	Terminalia chebula	Hirda	50	Native Tree
37	Syzygium cumini	Jambhul	50	Native Tree
38	Careya arborea	Kumbha	50	Native Tree
39	Lagerstroemia parviflora	Bondara	50	Native Tree
40	Lagerstroemia reginae	Taman	50	Native Tree
41	Halidina cardifolia	Haldu	50	Native Tree
42	Morinda citrifolia	Bartondi	50	Native Tree
43	Mitragyna parvifolia	Kalam	50	Native Tree
44	Neolamarckia cadamba	Kadamb	50	Native Tree
45	Madhuca longifolia	Mohwa	70	Native Tree
46	Mimusop selengi	Bakul	60	Native Tree
47	Olea dioica	Parjamb	60	Native Tree
48	Salva dorapersica	Khatau	60	Native Tree
49	Alstonia scholaris	Saptparni	60	Native Tree
50	Holarrhena pubescens	Pandhara Kuda	50	Native Tree
51	Wrightia tinctoria	Kala kuda	60	Native Tree
52	Strychnosnux-vomica	Kajra	60	Native Tree
53	Cordia dichotoma	Bhokar	60	Native Tree
54	Oroxylum indicum	Tetu	60	Native Tree
55	Mallotus philippensis	Kesari	60	Native Tree
56	Phyllanthus emblica	Awala	70	Native Tree
57	Holoptelea integrifolia	Wavala	50	Native Tree
58	Ficus benghalensis	Vad	50	Native Tree
59	Ficus religiosa	Pimpal	70	Native Tree
60	Ficus racemosa	Umbar	70	Native Tree

45.Total quantity of plants on ground

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

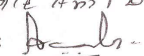
Serial Number	Name	C/C Distance	Area m2
1	NA	NA	NA

**47.Energy**

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<b>Power requirement:</b>	<b>Source of power supply :</b>	Maharashtra State Electricity Distribution Company Limited (MSEDCL)
	<b>During Construction Phase: (Demand Load)</b>	424.3 KVA
	<b>DG set as Power back-up during construction phase</b>	1 x 125 KVA
	<b>During Operation phase (Connected load):</b>	20860.29 KVA
	<b>During Operation phase (Demand load):</b>	8485.59 KVA
	<b>Transformer:</b>	13 x 630 KVA
	<b>DG set as Power back-up during operation phase:</b>	Total 10 Nos. of DG sets proposed (3 x 250KVA, 2 x 750KVA, 1 x 550KVA, 1 x 380KVA, 1 x 650KVA, 1 x 60KVA, 1 x 18 KVA)
	<b>Fuel used:</b>	Diesel
	<b>Details of high tension line passing through the plot if any:</b>	NA

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

Provision of Solar PV Panels and Solar water heater system.  
Solar PV- 556 KWP which generated 7,64,100 kwh/ year

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

Serial Number	Energy Conservation Measures	Saving %
1	Total Energy Saving	37%

#### 50. Details of pollution control Systems

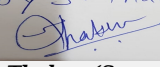
Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs. 702 lakh
	<b>O &amp; M cost:</b>	Rs. 72.37 Lakh/ year

### 51. Environmental Management plan Budgetary Allocation

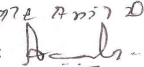
#### a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Personal Protective Equipment's	Helmets, Ear Plugs, Mask, Safety Shoes, Ropes	20.0
2	Site Sanitation Facilities	Mobile Toilets, Cleaning facility	10.0
3	Solid Waste Management	Dust Bins, Cleaning	5.0
4	Water Provision	Water for construction & domestic purpose	31.0

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5	Health Check up, First Aid facility	--	10.0
6	Awareness & Training for workers	Environment & Safety Awareness	5.0
7	Environment Monitoring	Air, water, Noise, Soil	5.0
8	Environment Management Cell	--	15.0
9	TOTAL	--	101 Lakh

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

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	Total 5 Nos. of STP	750	40
2	Effluent Treatment Plant	100 KLD Capacity	38.69	4.0
3	Rain water harvesting	-	35	7.35
4	Solid Waste Management	5 Nos. of OWC machines	110	27.63
5	Landscape	Landscape on ground with plantation of 3146 Nos. of trees	38.48	4.33
6	Energy saving	Solar PV, Solar water heaters & other	702	72.37
7	Swimming Pool	1 No	75	10.0
8	Environment Monitoring	Air, Water, Noise, DG set, STP treated water	--	20.0
9	TOTAL	-	1749.17	185.68

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

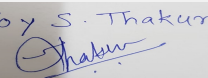
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

**52.Any Other Information**

No Information Available

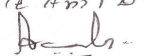
**53.Traffic Management**

Nos. of the junction to the main road & design of confluence:	NA
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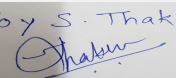
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Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	58114 Sq.M.
	Area per car:	12.5 Sq.M.
	Area per car:	12.5 Sq.M.
	Number of 2-Wheelers as approved by competent authority:	10406 Nos.
	Number of 4-Wheelers as approved by competent authority:	2271 Nos.
	Public Transport:	NA
	Width of all Internal roads (m):	6m to 24m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8(b)
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	19-02-2016

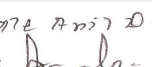
## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-

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Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-
<b>Brief information of the project by SEAC</b>	
PP remained <b>absent</b> . The proposal was <b>deferred</b> .	
<b>DECISION OF SEAC</b>	
PP remained <b>absent</b> . The proposal was <b>deferred</b> .	
Specific Conditions by SEAC:	
<b>FINAL RECOMMENDATION</b>	
Kindly find SEIAA decision above.	

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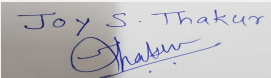
## Agenda for 110th SEAC-3 meeting scheduled 24-25-26 June, 2020 through Video Conference

**SEAC Meeting number: 110 Meeting Date June 25, 2020**

**Subject:** Environment Clearance for Environmental Clearance for Proposed development of a Dry Port (Inland Container Depot) cum Industrial Park at Parsodi and Dorli Village in Wardha, Maharashtra by Jawaharlal Nehru Port Trust.

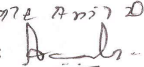
**Is a Violation Case:** No

<b>1.Name of Project</b>	Proposed development of a Dry Port (Inland Container Depot) cum Industrial Park at Parsodi and Dorli Village in Wardha, Maharashtra, India.
<b>2.Type of institution</b>	Government
<b>3.Name of Project Proponent</b>	Jawaharlal Nehru Port Trust Sheva, Tal-Uran, NaviMumbai- 400707 Maharashtra
<b>4.Name of Consultant</b>	Mantras Green Resources Limited
<b>5.Type of project</b>	Dry Port (Inland Container Depot)
<b>6.New project/expansion in existing project/modernization/diversification in existing project</b>	New Project
<b>7.If expansion/diversification, whether environmental clearance has been obtained for existing project</b>	Not applicable
<b>8.Location of the project</b>	Distt. Wardha, Taluka- Seloo, Village Parsodi Survey Nos: 62,47/1,47/2,54/1,54/2, 34/2,35/2,35/1,17,52/1,52/2,18,41,10,25,12/1,12/2, 36,38,45, 49/1, 49/2, 53/1,53/2,56/1, 56/2,48,42/1,42/2,11,39, 13, 109, 23,22,21,50/1, 50/2, 61/A, 61/B, 44, 51/1, 51/2, 20, 7, 33, 37, 16, 19, 8, 29,43,55, 40 , Dorli 49, 50
<b>9.Taluka</b>	Seloo
<b>10.Village</b>	Parsodi and Dorli
<b>Correspondence Name:</b>	Jawaharlal Nehru Port Trust
<b>Room Number:</b>	Jawaharlal Nehru Port Trust Sheva, Tal-Uran, Navi Mumbai- 400707 Maharashtra
<b>Floor:</b>	Ground Floor
<b>Building Name:</b>	Administration Building
<b>Road/Street Name:</b>	Sheva,
<b>Locality:</b>	JNPT
<b>City:</b>	Navi Mumbai
<b>11.Whether in Corporation / Municipal / other area</b>	Not applicable
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	In Process <b>IOD/IOA/Concession/Plan Approval Number:</b> In Process <b>Approved Built-up Area:</b>
<b>13.Note on the initiated work (If applicable)</b>	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>	1400000
<b>16.Deductions</b>	0
<b>17.Net Plot area</b>	14,00,000
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> 57910
	<b>b) Non FSI area (sq. m.):</b>
	<b>c) Total BUA area (sq. m.):</b> 57910
<b>18 (b).Approved Built up area as per DCR</b>	<b>Approved FSI area (sq. m.):</b> 57910
	<b>Approved Non FSI area (sq. m.):</b>
	<b>Date of Approval:</b> 15-01-2018
<b>19.Total ground coverage (m2)</b>	56000
<b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>	4

  
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21.Estimated cost of the project	4770000000
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## 22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Inland Container Depot (ICD)	G+1	12
2	Container Yard (CY)	G	4.5
3	Warehouse (WH)	G	12
4	LIQUID	G+1	9
5	Processing Area/ Warehousing Space (PA/WS)	G+1	9
6	Cold Storage	G+1	9
7	Truck Terminal (TT)	G	6
8	Railway Siding	0	0
9	RTG Workshop	G+1	12
10	Railway Workshop	G+1	12
11	Transit Loading/Unloading	0	0
12	Administration	G+1	12
13	Commercial	G+1	12
14	Utility	0	0
15	Fuel	G	9
16	Fuel	G	9

23.Number of tenants and shops	Not Applicable
24.Number of expected residents / users	1092
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))	Fire station is proposed within project boundary
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Minimum 9 meters
29.Existing structure (s) if any	No
30.Details of the demolition with disposal (If applicable)	No

## 31.Production Details

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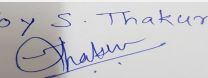
Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

### 32.Total Water Requirement

Dry season:	Source of water	Maharashtra Jeevan Pradhikaran		
	Fresh water (CMD):	22		
	Recycled water - Flushing (CMD):	27		
	Recycled water - Gardening (CMD):	18		
	Swimming pool make up (Cum):	0		
	Total Water Requirement (CMD) :	49		
	Fire fighting - Underground water tank(CMD):	0		
	Fire fighting - Overhead water tank(CMD):	10 CUM per Bldg		
	Excess treated water	0		
Wet season:	Source of water	Maharashtra Jeevan Pradhikaran		
	Fresh water (CMD):	22		
	Recycled water - Flushing (CMD):	27		
	Recycled water - Gardening (CMD):	0		
	Swimming pool make up (Cum):	0		
	Total Water Requirement (CMD) :	49		
	Fire fighting - Underground water tank(CMD):	0		
	Fire fighting - Overhead water tank(CMD):	10 CUM per Bldg		
	Excess treated water	18		
Details of Swimming pool (If any)	Not Applicable			

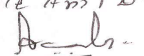
### 33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Fresh water requirement	Not applicable	22	22	Not applicable	5	13	Not applicable	49	49



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Domestic	Not applicable	27	27	Not applicable	0	0	Not applicable	27	27
Gardening	Not applicable	18	18	Not applicable	18	18	Not applicable	0	0
<b>34.Rain Water Harvesting (RWH)</b>									
<b>Level of the Ground water table:</b>		140 to 200 mts. b.g.l.							
<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>		10							
<b>Size of recharge pits :</b>		3.0 x 3.0 x 2.25 m							
<b>Budgetary allocation (Capital cost) :</b>		7.5 Lakhs							
<b>Budgetary allocation (O &amp; M cost) :</b>		2.0 lakhs							
<b>Details of UGT tanks if any :</b>		Nil							
<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>		895 m <sup>3</sup> /min for total plot area							
<b>Size of SWD:</b>		1.50 x 1.50 to 2.0m depth							
<b>Sewage and Waste water</b>									
<b>Sewage generation in KLD:</b>		45							
<b>STP technology:</b>		MBBR							
<b>Capacity of STP (CMD):</b>		165 KLD							
<b>Location &amp; area of the STP:</b>		Near Liquid 3/4 facility							
<b>Budgetary allocation (Capital cost):</b>		481.50 Lac							
<b>Budgetary allocation (O &amp; M cost):</b>		50.0 Lac /Year							
<b>36.Solid waste Management</b>									
<b>Waste generation in the Pre Construction and Construction phase:</b>		<b>Waste generation:</b>		The Construction waste generated during construction stage					
		<b>Disposal of the construction waste debris:</b>		The Construction waste generated during construction shall be segregated, reused on site and surplus shall be led to scrap dealers for recycling					
<b>Waste generation in the operation Phase:</b>		<b>Dry waste:</b>		Non-biodegradable - 305 Kg / day					
		<b>Wet waste:</b>		Biodegradable - 131 Kg / day					
		<b>Hazardous waste:</b>		Not Applicable					
		<b>Biomedical waste (If applicable):</b>		Not Applicable					
		<b>STP Sludge (Dry sludge):</b>		STP Sludge - 52 kg/day					
		<b>Others if any:</b>		Nil					
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<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Will be handed over to Authorized Recycler
	<b>Wet waste:</b>	Wet waste will be treated in OWC & manure will be used for landscaping & gardening.
	<b>Hazardous waste:</b>	Not Applicable
	<b>Biomedical waste (If applicable):</b>	Not Applicable
	<b>STP Sludge (Dry sludge):</b>	Used as manure for landscape development
	<b>Others if any:</b>	Not Applicable
<b>Area requirement:</b>	<b>Location(s):</b>	Near STP
	<b>Area for the storage of waste &amp; other material:</b>	60 sq.m.
	<b>Area for machinery:</b>	15 sq.m.
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	15.0 Lakh
	<b>O &amp; M cost:</b>	3.0 Lakh

### 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

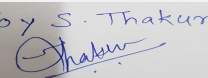
### 39. Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	5No. X 63 kVA	16 Liter/hr	1	1.6	0.0762	490 °C
2	5No. X 120 kVA	30 Liter/hr	1	2.2	0.1016	553 °C

### 40. Details of Fuel to be used

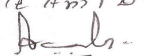
Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD for DG Set backup	Not applicable	920 Liter/month	920 Liter/month

41. Source of Fuel	Authorized vendor
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42.Mode of Transportation of fuel to site	Not applicable
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<b>43.Green Belt Development</b>	<b>Total RG area :</b>	140021 sq.m.
	<b>No of trees to be cut :</b>	00
	<b>Number of trees to be planted :</b>	17500
	<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	Azadirachtaindica	Neem	1000	Large tree, good for roadside plantation
2	Albizialebeck	Shirish	1000	Shady large tree ,ball shaped flowers
3	Ficusbenjamina	Nandarukh	1000	Shady tree, good for roadside Plantation, small fruit are food of birds
4	Pongamiapinnata	Karanj	1000	fast-growing deciduous tree, ornamental and in avenue plantings
5	Caryotaurens	Fishtail palm	1000	Grown in any type of soil. Very Hardy.
6	Mangiferaindica	Mango	2000	Edible fruit, Bird attracting species
7	Syziziumcuminia	Jamun	1500	Medicinal value, Edible fruit.
8	Saracaasoka	Sita Ashok	1000	Shady tree with red-yellow flowers
9	Cassia fistula	Bahava	1000	Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plant
10	Nyctanthesarbortristis	Parijatak	1000	Small deciduous fast growing tree, beautiful flowrers
11	Lagerstroemia flosregineae	Tamhan	1000	State flower tree of Maharashtra Medium sized tree, beautiful purple flowers
12	Bauhinia racemosa	Apta	1000	Small tree with small white flowers, Butterfly host plant
13	Buteamonosperma	Palas	1000	Medium sized deciduous tree. Beautiful orange flowers, Butterfly host plant
14	Micheliachampaca	Son chafa	2000	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
15	Putranjivaroxburghii	Putranjiva	1000	Medium sized evergreen tree
16	Total proposed	NA	17500	NA

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

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

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

### 47. Energy

<b>Power requirement:</b>	Source of power supply :	MSEDCL Sindhi
	During Construction Phase: (Demand Load)	3000 kVA
	DG set as Power back-up during construction phase	3 No X 63 kVA & 3 No X 120 kVA
	During Operation phase (Connected load):	50000 KW
	During Operation phase (Demand load):	32396 kVA
	Transformer:	Not applicable
	DG set as Power back-up during operation phase:	5 No X 63 kVA & 5 No X 120 kVA
	Fuel used:	920 Liter/month
	Details of high tension line passing through the plot if any:	No

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

- Generally we have proposed high efficiency transformer, motors etc. to reduce losses in comparison with conventional type.
- Electronic ballasts and Energy efficient lamp source either triposphere or CFL or LED are proposed for common area & general lighting with automatic time based control to save power by switching ON & OFF the lights at appropriate illumination level.
- Solar PV Panels

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

Serial Number	Energy Conservation Measures	Saving %
1	Use of Solar Street lights	1%
2	Use of Solar Street lights	1%

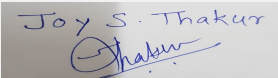
### 50. Details of pollution control Systems

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

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	Capital cost:	50 Lacs
	O & M cost:	5 Lacs/Year

### 51. Environmental Management plan Budgetary Allocation

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

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Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air environment	Water for dust suppression	5.0
2	Site sanitation, disinfection & safety	Mobile toilets, fumigation, Personal protective equipments	3.0
3	Environment monitoring	Air, noise, water & soil	3.0
4	Health	Health checkup	4.0
5	Environment Management Cell	Formation of cell	5.0

**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	Rain Water Harvesting	7.5	2.0
2	Water	Sewage Treatment Plant	481.50	50.0
3	Energy	Solar photo voltaic generation, street lights	50	5
4	Land Environment	Gardening & Tree plantation	175	20
5	Solid waste	Organic Waste Composter	15	3
6	Environmental Monitoring	Ambient Air quality, Noise Level, Exhaust from DG Set, Drinking Water, Sewage from STP, Manure	NA	10.0

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

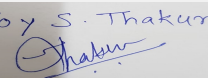
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

**52.Any Other Information**

No Information Available

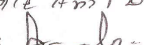
**53.Traffic Management**

Nos. of the junction to the main road & design of confluence:	NA
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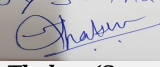
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Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	66350 Sq.m.
	Area per car:	Required parking space area of per trucks/Trailer considered 70 & 90 SqMt including manoeuvring space.
	Area per car:	Required parking space area of per trucks/Trailer considered 70 & 90 SqMt including manoeuvring space.
	Number of 2-Wheelers as approved by competent authority:	450
	Number of 4-Wheelers as approved by competent authority:	200
	Public Transport:	Available
	Width of all Internal roads (m):	Minimum 20 & 30 meters
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8(b) Townships and Area Development projects
	Court cases pending if any	NA
	Other Relevant Informations	No
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-
<b>TOR Suggested Changes</b>		
<b>Consolidated Statement Point Number</b>	<b>Original Remarks</b>	<b>Submitted Changes</b>

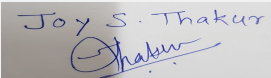
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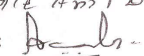
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 Shri. Anil Kale (Chairman SEAC-III)

<p>1) PP to submit IOD/IOA/Concession Document/Plan Approval or any other form of documents as applicable clarifying its conformity with local planning rules and provisions there under as per the Circular dated 30.01.2014 issued by the Environment Department</p>	<p>IOD/IOA/Concession Document/Plan Approval as per the Circular dated 30.01.2014 issued by the Environment Department, Govt. of Maharashtra. 2) 2. PP to include separate chapter</p>	<p>The JNPT is planning for Dry Port &amp; all the plans for approval are in process.</p>
<p>1) PP to IOD/IOA/Concession Document/Plan Approval or any other form of documents as applicable clarifying its conformity with local planning rules and provisions there under as per the Circular dated 30.01.2014 issued by the Environment Department, Govt.</p>	<p>IOD/IOA/Concession Document/Plan Approval</p>	<p>The JNPT is planning for Dry Port &amp; plan approval is in process.</p>
<p>2) PP to Include separate chapter on Renewable energy in EIA report. Submit terrace plan for installing solar panels &amp; calculations of energy saving; Submit energy modeling with write-up support to this.</p>	<p>Renewable energy</p>	<p>Separate chapter on Renewable energy in EIA report is include in Chapter 9, Section 9.10, 9.10.1, 9.10.2, 9.10.3, 9.10.4 Figure 9.9, 9.10 Annexure 1</p>
<p>3) PP to Include carbon footprint estimations for operation &amp; construction phase in EIA report.</p>	<p>Carbon footprint estimations .</p>	<p>Carbon footprint Estimations is included in Chapter 4, Section 4.11, 4.11.1, 4.11.2, 4.11.3 Figure 4.3 Annexure 2</p>

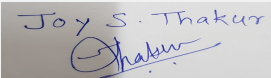
  
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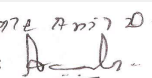
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**Shri. Anil Kale (Chairman SEAC-III)**

<p>4) PP to Carry out Traffic Impact Study in detail</p>	<p>a. PP to Traffic Management Plan for the development - Internal circulation with road width should be revised with showing clear road width of 6 meters and turning radius of 9 meters; Submit cross section of roads at four places showing clear road width 6 meter, 1.5 meter distance left from building line, spaces left for plantation, footpath, service lines, etc.,  b. PP to Traffic Volume Counts and Turning Movement Counts on all the external surrounding roads of the proposed project showing the time period taken &amp; revise table to be submitted, c. PP to Topographic details of roads and intersection of the surrounding roads where counts are taken, actual geometry on ground to be shown with dimensions.d. PP to Traffic generation values of similar development to be given by actual count as support data for assumption made to the particular project. e. PP to Revise parking table mentioning parking as per DCR &amp; parking provided actually. f. PP to Submit drawing &amp; sketches showing junction larger scale with geometry &amp; showing traffic counts in detail and volume diagram.</p>	<p>Traffic Impact Study in detail is include in Chapter 7A Annexure 3</p>
<p>5) PP to Submit Site specific executable and auditable EMP along with implementation plan and environmental management cell provision for construction and operation phase in EIA.</p>	<p>EMP</p>	<p>Site specific executable and auditable EMP is implemented in Chapter 9, Section 9.14 Table No. 9.12 Annexure 4</p>
<p>6) PP to Submit Fire Tender Movement Plan showing clear road width of 6 meters and turning radius of 9 meters ; PP to Submit cross section of roads at four places including UGT , OWC and DG set location showing clear road width 6 meter, 1.5 meter distance</p>	<p>Fire Tender Movement Plan</p>	<p>Fire Tender Movement Plan is in Chapter 2, Chapter 7, Section 2.7.5, Section 7.7.3 Annexure 5</p>
<p>7) PP to Submit Parking layout plan for all the floors showing slope and width of the ramps.</p>	<p>Parking layout plan</p>	<p>Parking Layout Plan are present in Chapter 2, Table No. 2.9, 2.10, 2.11, 2.12, 2.13 Chapter 7A, Figure 7A.2 Annexure 3. Annexure 6</p>
<p>8) PP to Submit Parking area statement as per DCR.</p>	<p>Parking area statement as per DCR</p>	<p>Parking Area Statement as per DCR are included in Chapter 2, Section 2.5, Table No. 2.8, 2.9 Annexure 7</p>
<p>9) PP to Submit Cross section of basement showing width and slope of ramp.</p>	<p>Cross section of basement</p>	<p>Not Applicable</p>

  
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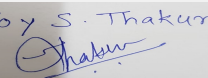
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**Signature: **  
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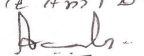


10) PP to Submit Details of basement parking.	Basement parking	Not Applicable
11) PP Proposes 2 Nos. of basements in each building; its design with ventilation details, contingency plan of basement as well as details of dewatering in basements.	Basements in each building; its design with ventilation details, contingency plan of basement as well as details of dewatering in basements.	Not Applicable
12) PP to Prepare consolidated report on traffic and vehicular pollution as a single chapter in EIA.	Traffic and vehicular pollution	Prepare consolidated report on traffic and vehicular pollution in Chapter 7A Annexure 3
13) PP to carry out fugitive dust monitoring by using local meteorological data.	Fugitive dust monitoring by using local meteorological data.	Fugitive dust monitoring is included in Chapter 3, 4, Section 3.10, 4.3.3 Table No. 3.12 Annexure 8
14) PP to submit waste management plan details with its transport, collection, storage and disposal for all types of wastes like hazardous waste, non-hazardous waste, solid waste, E- waste, and debris/excess earth etc.; PP to submit OWC details.	Waste management plan details	Details of Waste Management Plan are included in Chapter 9, Section 9.7.1, 9.7.2, 9.7.3, 9.7.4, 9.7.5 Table No. 9.3, 9.4, 9.5, 9.6, 9.7, Figure 9.4, 9.5, 9.6, 9.7, 9.8 Annexure 9
15) PP to submit detail debris management plan; PP should not remove the debris haphazardly & dump it on road side.	Debris management plan	Debris Management Plan is in Chapter 2, Section 2.7.3.1 Annexure 10
16) PP to submit disaster management plan.	Disaster Management Plan	Disaster Management Plan is provided in Chapter 7, Section 7.2 Annexure 11
17) PP to submit socio-economic infrastructure details including public transport arrangements on the site; PP to mention details of socio-economic in EIA.	Socio-economic infrastruc Public transport arrangements on the site; details of socio-economic in EIA.	Details of Socio-economic Infrastructure are given in Chapter 3, Section 3.13 Table No. 3.24, 3.25. Annexure 12

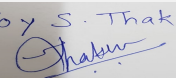
  
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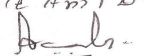
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**Shri. Anil Kale (Chairman SEAC-III)**

18) PP to provide required amenities within layout as per the planning standards if the existing amenities within the vicinity of plot are inadequate to cater the need of the locality.	Required amenities within layout as per the planning standards if the existing amenities	The proposed activity is Dry Port & as per requirement adequate amenities provided within the layout. Figure 2.10 Annexure 13
19) PP to submit phase wise development plan considering wind rose diagram.	Development plan considering wind rose diagram	The proposed activity is Dry Port & it will be developed as per the guidelines by sanctioning authority.
20) PP to obtain and submit following NOC's: a) CFO NOC, b) Water supply NOC with quantity, c) Drainage NOC, d) Non-biodegradable waste disposal.	a) CFO NOC, b) Water supply NOC with quantity, c) Drainage NOC, d) Non-biodegradable waste disposal.	All the NOC's are in process
21) PP to submit design details of water treatment plant; PP to submit details of reject of WTP; PP to submit commitment to achieve ISO 10500.	Design details of water treatment plant	Design details of water treatment plant are given in Chapter 2, 4, Section 2.7, 2.7.2, 4.6 Figure No. 9.1 Annexure 14
22) PP to submit internal storm water drain and sewer line arrangements up to final disposal point.	Internal storm water drain and sewer line arrangements	Internal storm water drain and sewer line arrangements up to final disposal point are mentioned in Chapter 2, 10, Section 2.7.2, 10.8 Annexure 15
23) PP to submit details of design of all STP's along with BOD load, oxygen requirement calculations and sizing of the tanks with respect to the design criteria. PP to submit detailed calculation for the disinfection of the treated STP water; PP to submit	Details of design of all STP's	Design of all STP's are given in Chapter 2, 4, Section 2.7.1.1, 2.7.9.3, 4.6.1 Figure 2.12 Annexure 16
24) PP to submit details hydro geological survey report with graphs & data.	Hydro-geological survey report with graphs & data.	Details hydro geological survey report are in Chapter 3, Section 3.5, 3.6 Figure 3.7 Annexure 17
25) PP to identify sources of air pollution, PP to include mitigation measures to reduce Air pollution/Noise pollution.	Sources of air pollution, mitigation measures to reduce Air pollution/Noise pollution.	Sources of Air Pollution are industries, open stacking, etc. are given in Chapter 3, 4, 9, Section 3.10.3, 4.3.2, 9.3, 9.4 Annexure 18

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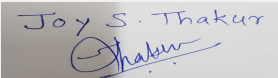
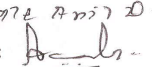
**Name:** K. Anil Kale  
**Signature:**   
**Shri. Anil Kale (Chairman SEAC-III)**

26) PP to provide mandatory RG area on virgin land and submit the drawing with calculations.	RG area on virgin land and submit the drawing with calculations.	RG area is mentioned in Chapter 2, 9, Section 2.3.7.4, 9.8.4 Table 2.8, 9.8, 9.9 Annexure 19
27) PP to submit layout showing natural water courses on site; PP to submit total runoff calculation before and after development.	Layout showing natural water courses on site.	Layout showing natural water courses on site are given in Chapter 2, Section 2.7.2 Annexure 20
28) PP to carry out gate mass balance analysis for environmental parameters related to solid/liquid waste material coming to site, waste generated and its treatment and disposal from site.	Gate mass balance analysis	Gate mass balance analysis for environmental parameters is included in Chapter 2, Section 2.7.3, 2.7.3.1 Table 2.18, 2.19 Annexure 21
29) PP to explore possibility to install air monitoring station on site during construction as well as operation phase for ambient air quality monitoring.	Install air monitoring station on site during construction as well as operation phase	Ambient air quality monitoring station to be installed. Chapter 9, Section 9.3 Annexure 22
30) PP to submit undertaking to provide DG set backup to all Pollution Control Devices, Water Supply, Emergency Services including emergency lifts, etc.	Undertaking of DG set backup to all Pollution Control Devices, Water Supply, Emergency Services	Undertaking to provide DG set backup is attached in Chapter 12, Annexure -10 Annexure 23
31) PP to plant trees which help to increase biodiversity in the premises like fruit bearing trees etc., and insure that no trees/shrubs that cause allergies.	Plant trees which help to increase biodiversity in the premises like fruit bearing trees, etc.	Increase biodiversity in the premises are mentioned in Chapter 3, 9, Section 3.12.5, 3.12.6, 3.12.7, 3.12.8, 9.8.4 Annexure 24
32) PP to include condition of "maintenance of all Pollution Control Equipment's and functioning of Environment Monitoring Cell.	"Maintenance of all Pollution Control Equipment's	Maintenance and Control of Equipment's are given in Chapter 6 Annexure 25

## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summarised in brief information of Project as below.

### Brief information of the project by SEAC

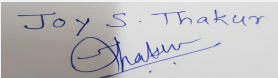
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PP had submitted application for prior Environmental clearance for total plot area of 14,00,100 m<sup>2</sup>, and FSI area of 57,910 m<sup>2</sup>.

The proposal 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(b)B1.

## DECISION OF SEAC

SEAC-AGENDA-0000000431

 <b>Joy S.Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 110 Meeting Date: June 25, 2020</b>	<b>Page 68 of 70</b>	<b>Name: K 072 Anil D.</b> <b>Signature: </b> <b>Shri. Anil Kale (Chairman SEAC-III)</b>
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The Committee informed PP to revise EIA Report on the basis of the discussions during the VC Meeting. The following shall be considered while revising EIA report:

1. PP has submitted CER for 7.16 Cr.

PP has proposed two green schools costing Rs. 90 Lakh each.

PP has proposed 60 Lakh for scholarship and books instead of this 60 Lakh should be used for providing computers in the light of new policy of e-learning.

PP has proposed Rs. 200 Lakh for repairs of bore well. Instead of this 80 Lakhs should be used for providing 2 ambulances costing Rs. 40 Lakh each to Govt. Hospitals. Rs. 40 Lakh should be used for providing dialysis units to Govt. Hospitals. Rs. 80 Lakh should be used for providing solar electricity and computers to Govt. Schools.

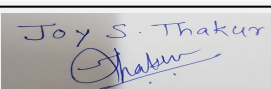
2. The Traffic Impact Study should include the following:

1. The Entry and Exit points of the Proposed Development to the adjacent road network.
  2. Topographic details of the roads and intersections with the actual geometry and number of lanes on the ground with dimensions.
  3. Present Traffic Volume Counts on all the external roads surrounding the proposed Development.
  4. Present Traffic Volume Counts on adjacent intersections of these external roads.
  5. Present Capacities of the adjacent roads and intersections based on width of the road, number of traffic lanes available etc.
  6. Calculation of V/C (Volume Over Capacity Ratios) at present on adjacent roads and intersections and levels of services as per IRC.
  7. Traffic Volume generated from the Proposed Development based on Residential/ Commercial/ Industrial/ Transport Terminals/ Other uses number of occupants, vehicles, parking and other factors etc. including any other assumptions made.
  8. Growth rate assumed for Traffic Projections and basis for the same such as Govt. Documents etc.
  9. Projections of Traffic Volumes for 5-10-15 year period on the adjacent roads and intersections.
  10. Future Capacities of the adjacent roads and intersections based on proposed widening etc.
  11. Calculation of V/C (Volume Over Capacity Ratios) for 5-10-15 years period and levels of services as per IRC.
  12. Tabulation and diagrammatic representation of the above including Traffic Flow Diagrams and graphic representations.
  13. Mitigation measures proposed for Traffic Management and containment of V/C Ratios below 1 and levels of service not below C in future after development.
  14. Traffic Signs, Signals and Markings on the adjacent road network and intersections proposed.
  15. Detailed Parking Layout Plan for trucks and container lorries including Driveway widths, turning radius etc for easy manoeuvring.
  16. Fire Tender Movement Plan clearly showing the Fire Tender movement with arrows, width of driveways, turning radius etc. clearly visible on the plan and accessible to all Buildings, Parking lots etc. in the proposed development.
  17. Cross sections of the driveways at various locations with clearances on both sides for services etc.
  18. Parking Layout Plan for all Floors in all internal developments showing slope and width of the ramps if any. Ramps for Heavy Vehicles to be designed with gentler slopes, extra width and increased radius for safety and easy maneuvering.
  19. Parking Area Statement showing the number of cars and other vehicles required as per DCR and actually provided. Area Per Car calculations as per MOEF to be submitted for all levels.
  20. Evacuation Plan in detail with a report. Direction wise movement Plan for Occupants, Visitors showing the pathways for approaching the refuge floor/ground floor/assembly points with arrows and appropriate sign board to be provided. Pathways for movement of Cars/vehicles from both levels towards the appropriate exits should be indicated in the Plan with arrows. The travel distances should also be shown in the Plan and detailed time calculation for Evacuation of the cars/vehicles from various locations should be done. The same should then be tabulated and summarized mentioning the total time taken for evacuation of all vehicles with appropriate sign boards.
3. PP to submit details of water bodies existing on site and submit plan for maintaining / preserving the same.
  4. PP to submit details / drawings of internal storm water drain upto final disposal point.
  5. PP to submit geohydrological data along with details of RWH pits.
  6. PP to submit details / drawings of sewage line upto final disposal point and submit drainage NOC.
  7. Project description to be provided with details for environmental aspects.
  8. PP to submit all baseline data.
  9. How much is the population which will be residing in the facility and how much working population
  10. Provide solid waste management as for dry port activity. What are other solid wastes will be generated in dry port activities. Also consider the hazardous, e-waste waste generation.
  11. Particulate and gaseous emissions from cranes which will be used for loading-unloading, vehicles used for transportation other than electrical locomotives.
  12. Waste water generation need to consider washings, even may be intermittent/as and when required.
  13. Cold storage energy need to be considered vehicle calculating carbon footprint and energy requirement.
  14. AQM is carried out by using ISCST3. PP to carry out using latest modelling tools such as AEROMOD.
  15. Some of the activities are proposed and will take activity wise clearance at later point. The list of proposed activities and their brief details with commitment of separate EC for these activities should be submitted.
  16. PP to submit details of energy saving calculations.
  17. PP to submit co-ordinated master layout superimposing all environmental parameters and cross-sections across these parameters.
  18. PP to submit following NOC's: (a) CFO (b) Water supply with quantity, (c) solid waste / e-waste management. (d) bio-medical waste management.
  19. PP to submit indemnity bond indemnifying Environment Department, GoM and SEAC-3 from any legal consequences.
  20. PP to submit survival report of existing trees with photograph.
  21. PP to submit phase-wise program for transplantation / cutting of trees if any and plantation plan for entire site as per guidelines of competent authority / MoEF&CC. PP to submit NOC from competent authority for the same.
  22. PP to incorporate local native fruit bearing / evergreen trees in plantation plan and submit list of the trees.

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

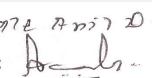
Specific Conditions by SEAC:

1).

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

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

## FINAL RECOMMENDATION

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


SEAC-AGENDA-00000000431

Joy S. Thakur  


Joy S. Thakur (Secretary  
SEAC-III)

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Name: K 072 Anil D.  
Signature: 

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

## Agenda for 110th SEAC-3 meeting scheduled 24-25-26 June, 2020 through Video Conference

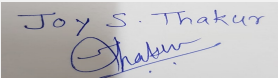
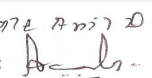
**SEAC Meeting number: 110 Meeting Date June 26, 2020**

**Subject:** Environment Clearance for Environmental Clearance for proposed Residential & Commercial development "Ganga Arcadia" at Kharadi Pune

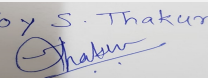
**Is a Violation Case:** Yes

<b>1.Name of Project</b>	Residential & Commercial project "Ganga Arcadia" by M/s. Goel Ganga India Pvt. Ltd
<b>2.Type of institution</b>	Private
<b>3.Name of Project Proponent</b>	Shri Atul Goel - M/s. Goel Ganga India Pvt Ltd
<b>4.Name of Consultant</b>	Mahabal Enviro Engineers Pvt. Ltd.
<b>5.Type of project</b>	Housing project
<b>6.New project/expansion in existing project/modernization/diversification in existing project</b>	New project
<b>7.If expansion/diversification, whether environmental clearance has been obtained for existing project</b>	Not applicable
<b>8.Location of the project</b>	Plot A , S.no. 22/2 (P) at Kharadi , Pune
<b>9.Taluka</b>	Haveli
<b>10.Village</b>	Kharadi
<b>Correspondence Name:</b>	M/s. Goel Ganga India Pvt Ltd.
<b>Room Number:</b>	-
<b>Floor:</b>	3rd floor
<b>Building Name:</b>	San Mahu Commercial complex
<b>Road/Street Name:</b>	5 Bund Garden Road , Opp. Poona Club Camp, Pune I
<b>Locality:</b>	Pune
<b>City:</b>	Pune
<b>11.Whether in Corporation / Municipal / other area</b>	Pune Municipal Corporation
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	Sanction Plan Approved by Pune Municipal Corporation
	<b>IOD/IOA/Concession/Plan Approval Number:</b> CC/2080/15 dated 06.10.2015
	<b>Approved Built-up Area:</b> 10873
<b>13.Note on the initiated work (If applicable)</b>	Building B & C completed as per sanction received from Pune Municipal Corporation vide no. CC/2080/15 dated 06.10.2015
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	Not Applicable
<b>15.Total Plot Area (sq. m.)</b>	11,432 m2
<b>16.Deductions</b>	2,860 m2
<b>17.Net Plot area</b>	8,571 m2
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> 18,217 m2
	<b>b) Non FSI area (sq. m.):</b> 19,758 m2
	<b>c) Total BUA area (sq. m.):</b> 37975
<b>18 (b).Approved Built up area as per DCR</b>	<b>Approved FSI area (sq. m.):</b> 10873 m2
	<b>Approved Non FSI area (sq. m.):</b> NA
	<b>Date of Approval:</b> 06-10-2015
<b>19.Total ground coverage (m2)</b>	4,043
<b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>	47 %
<b>21.Estimated cost of the project</b>	974400000

### 22.Number of buildings & its configuration

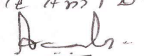
 <b>Joy S.Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 110 Meeting Date: June 26, 2020</b>	<b>Page 1 of 55</b>	<b>Name: K. Anil Kale</b>  <b>Signature: Shri. Anil Kale (Chairman SEAC-III)</b>
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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)	
1	Building A	B+G+11	35.95	
2	Building B	B+G+8	29.89	
3	Building C	B+G+4	16.87	
4	Commercial	Total 68 nos of shop (A building -16 nos. proposed; B building- 24 nos. & C building 28 nos. Existing)	-	
5	Club House	G+1	7.05	
<b>23.Number of tenants and shops</b>		Tenements- 232 nos. & Shops- 68 nos.		
<b>24.Number of expected residents / users</b>		Residential - 1,160 nos. & Commercial -204 nos.- Total Population- 1,364 nos.		
<b>25.Tenant density per hectare</b>		250/Ha.		
<b>26.Height of the building(s)</b>				
<b>27.Right of way (Width of the road from the nearest fire station to the proposed building(s))</b>		30 m & 45 m wide road		
<b>28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation</b>		9 m		
<b>29.Existing structure (s) if any</b>		1. B building completed- Completion certificate received from PMC for 24 shops & 84 flats vide no. OCC/0637/15 dated 21.08.2015 & for 12 flats vide no. OCC/0980/15 dated 31.10.2015. 2. C building Occupancy certificate received vide no. OCC/0683/17 dated 28.06.2017		
<b>30.Details of the demolition with disposal (If applicable)</b>		Not Applicable		
<b>31.Production Details</b>				
Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable
<b>32.Total Water Requirement</b>				

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

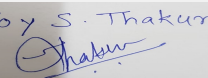
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**Name: K. Anil Kale**  
  
**Signature: Shri. Anil Kale (Chairman SEAC-III)**

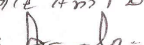


Dry season:	Source of water	Pune Municipal corporation							
	Fresh water (CMD):	109 m3/day							
	Recycled water - Flushing (CMD):	58 m3/day							
	Recycled water - Gardening (CMD):	6 m3/day							
	Swimming pool make up (Cum):	1 m3							
	Total Water Requirement (CMD) :	167 m3/day							
	Fire fighting - Underground water tank(CMD):	200 m3							
	Fire fighting - Overhead water tank(CMD):	A building - 128 m3, B building - 124 m3 & C building - 48 m3							
	Excess treated water	86 m3/day							
Wet season:	Source of water	Pune Municipal corporation							
	Fresh water (CMD):	109 m3/day							
	Recycled water - Flushing (CMD):	58 m3/day							
	Recycled water - Gardening (CMD):	3 m3/day							
	Swimming pool make up (Cum):	1 m3							
	Total Water Requirement (CMD) :	167 m3/day							
	Fire fighting - Underground water tank(CMD):	200 m3							
	Fire fighting - Overhead water tank(CMD):	A building - 128 m3, B building - 124 m3 & C building - 48 m3							
	Excess treated water	89 m3/day							
Details of Swimming pool (If any)	Swimming pool of size - 6 m x 12 m x 1.3 m Make up water requirement - 1 m3								
<b>33.Details of Total water consumed</b>									
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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

<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	Pre monsoon-7 m , Post monsoon-6 m average
	<b>Size and no of RWH tank(s) and Quantity:</b>	NA
	<b>Location of the RWH tank(s):</b>	NA
	<b>Quantity of recharge pits:</b>	6 nos.of recharge pits
	<b>Size of recharge pits :</b>	1.3 m. X 2.5 m depth
	<b>Budgetary allocation (Capital cost) :</b>	Rs. 2 Lakh
	<b>Budgetary allocation (O &amp; M cost) :</b>	Rs. 1 Lakh
	<b>Details of UGT tanks if any :</b>	UGT (Existing)- 1. Drinking water-19 m3 2. Utility for commercial - 37 m3 3. Utility for residential -150 m3 4. Fire water tank - 200 m3 5. Flushing water tank - 70 m3 UGT (Proposed)- 1. Drinking water-19 m3 2. Utility water tank- 164 m3 3. Fire water tank - 200 m3 4. Flushing water tank - 95 m3
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	As per contour
	<b>Quantity of storm water:</b>	0.23 m3/sec
	<b>Size of SWD:</b>	450 mm line with perforated chambers 600 mm x 600 mm
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	150 m3/day
	<b>STP technology:</b>	MBBR
	<b>Capacity of STP (CMD):</b>	1 no. and capacity are 160 m3/day
	<b>Location &amp; area of the STP:</b>	STP 1: 160 m3/day is Near amenity area with area 307 m2
	<b>Budgetary allocation (Capital cost):</b>	Rs. 40 Lakh
	<b>Budgetary allocation (O &amp; M cost):</b>	Rs. 10 Lakh
<b>36.Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	15,511 m3 excavation quantity
	<b>Disposal of the construction waste debris:</b>	Will be used for levelling & backfilling work at site.
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	263 kg/day
	<b>Wet waste:</b>	368 kg/day
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	1 kg/day
	<b>Others if any:</b>	E waste 2 kg/day

<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Handed over to authorized recycler for further handling and purpose
	<b>Wet waste:</b>	Through Vermicomposting pits & OWC machine. Generated manure will be used for gardening
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	Will be used as manure for gardening purpose
	<b>Others if any:</b>	Handed over to authorized recyclers for further treatment.
<b>Area requirement:</b>	<b>Location(s):</b>	Near B Building and C Building
	<b>Area for the storage of waste &amp; other material:</b>	12 m <sup>2</sup>
	<b>Area for machinery:</b>	36 m <sup>2</sup>
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs. 15 Lakh
	<b>O &amp; M cost:</b>	Rs. 3 Lakh

### 37. Effluent Characteristics

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

### 38. Hazardous Waste Details

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

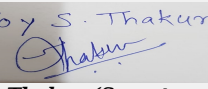
### 39. Stacks emission Details

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

### 40. Details of Fuel to be used

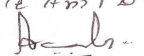
Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable

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

Joy S. Thakur  
  
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Name: K. Anil Kale  
  
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<b>43.Green Belt Development</b>	<b>Total RG area :</b>	1,143 m2
	<b>No of trees to be cut :</b>	NA
	<b>Number of trees to be planted :</b>	108 nos. proposed
	<b>List of proposed native trees :</b>	Provided
	<b>Timeline for completion of plantation :</b>	6 to 9 months after completion of Civil Works

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

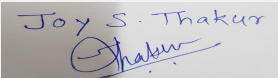
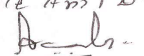
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadirachta indica	Neem	14	Good for road side plantation & provide shade.
2	Bauhinia racemosa	Apata	18	Drought resistance, good air purifier and have medicinal properties.
3	Cassia Fistula	Bahava	14	Have medicinal properties and larval host for butterflies
4	Lagerstroemia Flos-reginae	Tamhan	52	Good as a avenue tree good for group planting around water garden & ponds.
5	Michelia champaka	Son chapha	10	Butterfly-host plant
6	Total	-	108	-

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

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

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

#### 47.Energy

 <b>Joy S.Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 110 Meeting Date: June 26, 2020</b>	<b>Page 6 of 55</b>	<b>Name: K. Anil Kale</b>  <b>Shri. Anil Kale (Chairman SEAC-III)</b>
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<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>	1 nos. x 40 kVA
	<b>During Operation phase (Connected load):</b>	1,865 kVA
	<b>During Operation phase (Demand load):</b>	1,658 kVA
	<b>Transformer:</b>	3 nos. x 630 kVA
	<b>DG set as Power back-up during operation phase:</b>	1 no. x 160 kVA, stack height 6.53 m
	<b>Fuel used:</b>	Diesel
	<b>Details of high tension line passing through the plot if any:</b>	NA

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

1. LED Lamps in Common area ,
2. Solar Hot Water System.

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

Serial Number	Energy Conservation Measures	Saving %
1	Overall energy saving	19 %

#### 50. Details of pollution control Systems

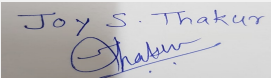
Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs. 40 Lakh
	<b>O &amp; M cost:</b>	Rs. 1 Lakh

### 51. Environmental Management plan Budgetary Allocation

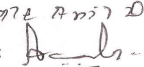
#### a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water for dust suppression	Rs. 2 Lakh
2	Site Sanitation & Safety	Sanitation Disinfection & Health check up	Rs. 6 Lakh
3	Environmental Monitoring	Environmental Monitoring	Rs. 3 Lakh
4	Disinfection	Anti-termite treatment	Rs. 2 Lakh
5	Health Check up	Safety parameters	Rs. 2 Lakh
6	Total	-	Rs.15 Lakh

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

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

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

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment plant	1 no. of STP having total Capacity 160 m <sup>3</sup> /day	Rs. 40 Lakh	Rs. 10 Lakh
2	Vermicomposting Pit	3 unites for A, B & C building and OWC machine	Rs. 15 Lakh	Rs. 3 Lakh
3	Landscape	Tree Plantation & Landscaping	Rs. 4 Lakh	Rs. 1 Lakh
4	Environmental Monitoring	Monitoring and analysis of Air and Noise, water, soil etc.	MoEF Approved Laboratory	Rs. 3 Lakh
5	Energy Conservation	Solar street lighting	Rs. 40 Lakh	Rs. 1 Lakh
6	Rain Water Harvesting	6 no. of recharge pits	Rs. 2 Lakh	Rs. 1 Lakh
7	Laying of storm & Sewer line up to final disposal point	Laying of storm & Sewer line up to final disposal point	Rs. 12 Lakh	Rs. 1 Lakh
8	Total	-	Rs. 113 Lakh	Rs. 20 Lakh

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

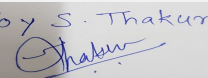
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

**52.Any Other Information**

No Information Available

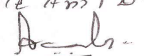
**53.Traffic Management**

Nos. of the junction to the main road & design of confluence:	1 No.
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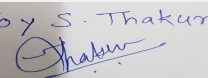
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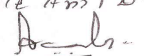
Name: K. Anil Kale  
  
**Shri. Anil Kale (Chairman SEAC-III)**

<b>Parking details:</b>	<b>Number and area of basement:</b>	1. A building- 1 no., Area- 1,567 m2, 2. B building-1 no., area- 2,185 m2, 3. C building- 1 no. area- 1,084 m2; Total basement area- 4,834 m2
	<b>Number and area of podia:</b>	NA
	<b>Total Parking area:</b>	6,923 m2
	<b>Area per car:</b>	35 m2 for Basement & 30 m2 for Covered parking
	<b>Area per car:</b>	35 m2 for Basement & 30 m2 for Covered parking
	<b>Number of 2-Wheelers as approved by competent authority:</b>	656 nos. of scooters & 528 nos. of cycles
	<b>Number of 4-Wheelers as approved by competent authority:</b>	180 nos.
	<b>Public Transport:</b>	NA
	<b>Width of all Internal roads (m):</b>	6 m
	<b>CRZ/ RRZ clearance obtain, if any:</b>	NA
	<b>Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries</b>	NA
	<b>Category as per schedule of EIA Notification sheet</b>	8(a), B2
	<b>Court cases pending if any</b>	Court Cases details- 1. District court, Pune- Case no.627/2013 2. District court, Pune- Case no.674/2017 3. Additional collector, Pune- RTS appeal- 2/A/298/2018 4. PMC court- 1191/2017 All the above-mentioned cases are not pertaining to environment
	<b>Other Relevant Informations</b>	We are applying for Residential and Commercial project under schedule 8(a) B2 category. We have received sanction from Pune Municipal Corporation for building B & C. Building A is proposed. Now we are applying for EC considered A, B & C building. We have submitted application to MoEF having proposal no. IA/MH/NCP/67813/2017 dated 01.09.2017 under the violation cases as per MoEF notification dated 14.03.2017
	<b>Have you previously submitted Application online on MOEF Website.</b>	Yes
	<b>Date of online submission</b>	01-09-2017
<b>SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS</b>		
<b>Environmental Impacts of the project</b>	-	
<b>Water Budget</b>	-	

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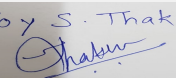
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**Name:** K. Anil Kale  
**Signature:**   
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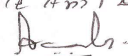
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-
Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-
<b>Brief information of the project by SEAC</b>	

SEAC-AGENDA-00000000434

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Name: K ०१६ ११११ २०  
 Signature:   
**Shri. Anil Kale (Chairman SEAC-III)**





## DECISION OF SEAC

### During discussion following points emerged:

1. PP to revise Evacuation timing calculations for Cars, 2-wheelers etc. which are stated as 6 minutes and 12 minutes respectively. This seems to be inadequate. Evacuation Plan to be revised accordingly.
2. PP to obtain and submit CFO NOC.
3. The committee noted that Cost of remediation plan and natural & community resource augmentation plan as per revised approach paper is estimated as Rs. 207.44 Lakh. The Committee also noted that the amount of CER as per MoEF & CC circular dated 1/05/2018 is Rs. 124 Lakh. Therefore committee decided to obtain Bank Guarantee of Rs 207.44 Lakh for the project completion period.

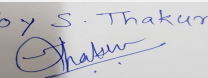
SEAC decided to **recommend** the proposal for prior environmental Clearance, subject to PP complying with the above conditions.

### Specific Conditions by SEAC:

- 1) The committee noted that Cost of remediation plan and natural & community resource augmentation plan as per revised approach paper is estimated as Rs. 207.44 Lakh. The Committee also noted that the amount of CER as per MoEF & CC circular dated 1/05/2018 is Rs. 124 Lakh. Therefore committee decided to obtain Bank Guarantee of Rs 207.44 Lakh for the project completion period.

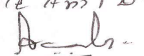
## FINAL RECOMMENDATION

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

Joy S. Thakur  
  
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SEAC-III)

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

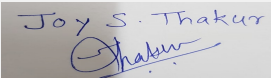
## Agenda for 110th SEAC-3 meeting scheduled 24-25-26 June, 2020 through Video Conference

**SEAC Meeting number: 110 Meeting Date June 26, 2020**

**Subject:** Environment Clearance for Proposed Construction of 672 Residential Quarters For S.P. Satara, at C.S. No. 92 and 197 (286 Old) , Peth Malhar (Superintendent Of Police Head Quarters) Satara, Dist. Satara.

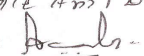
**Is a Violation Case:** No

<b>1.Name of Project</b>	Proposed Construction of 672 Residential Quarters For S.P. Satara.
<b>2.Type of institution</b>	Government
<b>3.Name of Project Proponent</b>	Maharashtra State Police Housing and Welfare Corporation Limited. Mumbai
<b>4.Name of Consultant</b>	Fine Envirotech Engineers
<b>5.Type of project</b>	Housing project
<b>6.New project/expansion in existing project/modernization/diversification in existing project</b>	New project
<b>7.If expansion/diversification, whether environmental clearance has been obtained for existing project</b>	NA
<b>8.Location of the project</b>	C.S. No. 92 and 197 (286 Old) , Peth Malhar (Superintendent Of Police Head Quarters) Satara, Dist. Satara.
<b>9.Taluka</b>	Satara
<b>10.Village</b>	NA
<b>Correspondence Name:</b>	Maharashtra State Police Housing and Welfare Corporation Limited. Mumbai.
<b>Room Number:</b>	Plot No-89-89A
<b>Floor:</b>	NA
<b>Building Name:</b>	Maharashtra State Police Housing and Welfare Corporation Limited. Mumbai.
<b>Road/Street Name:</b>	Sir Pochkhanwala Road
<b>Locality:</b>	Near Police Officers, Mess Worli.
<b>City:</b>	Mumbai
<b>11.Whether in Corporation / Municipal / other area</b>	Satara Municipal Council, Satara
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	Building Permission obtained from Satara Nagar Parishad <b>IOD/IOA/Concession/Plan Approval Number:</b> SANP/SHV/17/59201800000713 dated:2/4/2018 <b>Approved Built-up Area:</b> 52257.47
<b>13.Note on the initiated work (If applicable)</b>	Not started
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	NA
<b>15.Total Plot Area (sq. m.)</b>	66,532.60 sq.mt.
<b>16.Deductions</b>	8,710.21 sq.mt.
<b>17.Net Plot area</b>	57,822.39 sq.mt.
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> 52,257.47 sq.mt <b>b) Non FSI area (sq. m.):</b> 2,532.72 sq.mt <b>c) Total BUA area (sq. m.):</b> 54790.19
<b>18 (b).Approved Built up area as per DCR</b>	<b>Approved FSI area (sq. m.):</b> 52,257.47 sq.mt <b>Approved Non FSI area (sq. m.):</b> 2,532.72 sq.mt <b>Date of Approval:</b> 02-04-2018
<b>19.Total ground coverage (m2)</b>	7,796.00 sq.mt.
<b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>	13.48 %
<b>21.Estimated cost of the project</b>	1580900000

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

## 22. Number of buildings & its configuration

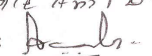
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Type -II (12 nos.)	Stilt +7	24
2	Reading Room and Library (1 no.)	Ground	5
3	Site Office (1 nos.)	Ground	4

<b>23. Number of tenants and shops</b>	Residential Tenements- 672 nos.
<b>24. Number of expected residents / users</b>	Residents - 3360 nos.
<b>25. Tenant density per hectare</b>	300 nos.
<b>26. Height of the building(s)</b>	
<b>27. Right of way (Width of the road from the nearest fire station to the proposed building(s))</b>	12 m wide road
<b>28. Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation</b>	9.00 m Wide.
<b>29. Existing structure (s) if any</b>	Existing structure-35 nos. [Plot No.(92 and 197(Old286), Quarters-(74/ 2, 74/ 3,74/ 4,74/ 5, 74/ 6,74/ 7,74/ 9,74/ 10,74/ 11,74/ 12,74/ 13,74/ 14,74/ 15,74/ 16,74/ 17,74/ 18,74/ 19,74/ 20,74/ 21,74/ 22,74/ 23,74/ 24,74/ 25,74/ 26,74/ 63,74/ 72,74/ 81), Police Hospital, Toilet Blocks, Bomb Shodhak Pathak, Dog Shed, Rest Room, Mess, Store Room, Garbage Basin, Shed, 15)
<b>30. Details of the demolition with disposal (If applicable)</b>	The quantity for dismantling of stone masonry and other structures is 11,700.00 Cum. Out of this quantity approx. 4400.00 Cum stone will be reused onsite and cost of approx. 3800.00 Cum Stone will be recovered from contractor. Remaining 3500 Cum of debris will be disposed off at authorized locations.

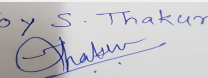
## 31. Production Details

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

## 32. Total Water Requirement

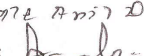
 <b>Joy S. Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 110 Meeting Date: June 26, 2020</b>	<b>Page 14 of 55</b>	<b>Name: K. Anil Kale</b>  <b>Signature: Shri. Anil Kale (Chairman SEAC-III)</b>
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Dry season:	Source of water	Satara Municipal Council, Satara.							
	Fresh water (CMD):	302							
	Recycled water - Flushing (CMD):	151							
	Recycled water - Gardening (CMD):	36							
	Swimming pool make up (Cum):	NA							
	Total Water Requirement (CMD) :	489							
	Fire fighting - Underground water tank(CMD):	Nil							
	Fire fighting - Overhead water tank(CMD):	Type II (12 nos )-25 Cum each - Total 300 Cum							
	Excess treated water	66							
Wet season:	Source of water	Satara Municipal Council, Satara.							
	Fresh water (CMD):	302							
	Recycled water - Flushing (CMD):	151							
	Recycled water - Gardening (CMD):	Nil							
	Swimming pool make up (Cum):	NA							
	Total Water Requirement (CMD) :	453							
	Fire fighting - Underground water tank(CMD):	Nil							
	Fire fighting - Overhead water tank(CMD):	Type II (12 nos )-25 Cum each - Total 300 Cum							
	Excess treated water	102							
Details of Swimming pool (If any)	NA								
<b>33.Details of Total water consumed</b>									
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

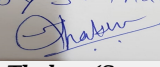
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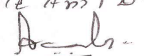
Name: K. Anil Kale  
  
 Signature: Shri. Anil Kale (Chairman  
 SEAC-III)

<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	35 m
	<b>Size and no of RWH tank(s) and Quantity:</b>	Nil
	<b>Location of the RWH tank(s):</b>	NA
	<b>Quantity of recharge pits:</b>	13 nos.
	<b>Size of recharge pits :</b>	2 m x 2 m
	<b>Budgetary allocation (Capital cost) :</b>	7 Lakhs
	<b>Budgetary allocation (O &amp; M cost) :</b>	0.25 Lakh /year
	<b>Details of UGT tanks if any :</b>	Type II (6 nos) -347.5 cum Type II (6 nos) -347.5 cum
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	Rectangular
	<b>Quantity of storm water:</b>	428 m <sup>3</sup> /day
	<b>Size of SWD:</b>	600 mm Width Truff Gutter
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	362 kld
	<b>STP technology:</b>	Green Sewage Treatment Plant
	<b>Capacity of STP (CMD):</b>	1no. of STP of capacity 365 kld
	<b>Location &amp; area of the STP:</b>	Location of STP-Ground and area of STP is 480 sq.mt.
	<b>Budgetary allocation (Capital cost):</b>	89.76 Lakhs
	<b>Budgetary allocation (O &amp; M cost):</b>	4.00 Lakhs /year
<b>36.Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	Waste will be generated during excavation and other construction activities
	<b>Disposal of the construction waste debris:</b>	Excavated materials shall be used for backfilling, leveling and remaining will be disposed by handed over to authorized contractor.
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	672 kg/day
	<b>Wet waste:</b>	1008 kg/day
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	11 kg
	<b>Others if any:</b>	NA

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

<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Dry wastes will be handed over to authorized agency/recycler
	<b>Wet waste:</b>	Wet waste will be processed in the organic waste converter and manure generated shall be used for gardening purposes
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	Used as manure for gardening
	<b>Others if any:</b>	NA
<b>Area requirement:</b>	<b>Location(s):</b>	Ground
	<b>Area for the storage of waste &amp; other material:</b>	464 sq.mt
	<b>Area for machinery:</b>	185 sq.mt
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	15 Lakhs
	<b>O &amp; M cost:</b>	3 Lakhs / year

### 37. Effluent Characteristics

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

### 38. Hazardous Waste Details

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

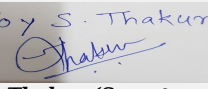
### 39. Stacks emission Details

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

### 40. Details of Fuel to be used

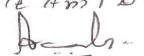
Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable

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

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

<b>43.Green Belt Development</b>	<b>Total RG area :</b>	7,200 sq.mt
	<b>No of trees to be cut :</b>	572 nos.
	<b>Number of trees to be planted :</b>	768 nos.
	<b>List of proposed native trees :</b>	Karanj, Apta, Kadamb, Bahava, Sita Ashoka, Bakul, Shirish, Neem, Mango, Son Chapa
	<b>Timeline for completion of plantation :</b>	2 Year

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

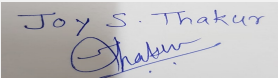
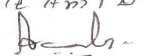
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Pongamia pinnata	Karanj	60 nos.	Shady tree
2	Bauhinia racemosa	Apta	80 nos.	Small tree with small white flowers, Butterfly host plant
3	Anthocephallus cadamba	Kadamb	60 nos.	Shady, large tree with ball shaped flowers
4	Cassia fistula	Bahava	80 nos.	Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plant
5	Saraca asoka	Sita Ashok	150 nos.	Shady tree with red-yellow flowers
6	Mimusops elengi	Bakul	80 nos.	Shady tree, small white fragrant flowers
7	Albizia lebbeck	Shirish	75 nos.	Shady tree, yellowish green fragrant flowers
8	Azadiracta indica	Neem	46 nos.	Large tree, good for roadside plantation
9	Magnifera indica	Mango	57 nos.	Fruits bearing tree
10	Michalia champaca	Son chapa	80 nos.	Medium sized evergreen tree

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

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

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

#### 47.Energy

 <b>Joy S.Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 110 Meeting Date: June 26, 2020</b>	<b>Page 18 of 55</b>	<b>Name: K. Anil Kale</b>  <b>Signature: Shri. Anil Kale (Chairman SEAC-III)</b>
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<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	25 KW
	<b>DG set as Power back-up during construction phase</b>	30 KVA
	<b>During Operation phase (Connected load):</b>	1721 KW
	<b>During Operation phase (Demand load):</b>	1204 KW
	<b>Transformer:</b>	3 nos of 630 KVA
	<b>DG set as Power back-up during operation phase:</b>	2 DG set of capacity 140 KVA
	<b>Fuel used:</b>	Diesel
	<b>Details of high tension line passing through the plot if any:</b>	NA

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

1. Using LED fixture in parking area, lift- lobby and staircase.
2. Using LED in place of Metal Halide in external lights.
3. Using On Grid Solar generation for each building.
4. Using LED fixture in all the internal toilet area.

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

Serial Number	Energy Conservation Measures	Saving %
1	Using LED fixture in parking area, lift- lobby and staircase. Using LED in place of Metal Halide in external lights. Using On Grid Solar generation for each building. Using LED fixture in all the internal toilet area.	7

#### 50. Details of pollution control Systems

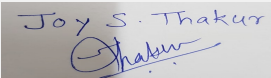
Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	104 Lakhs
	<b>O &amp; M cost:</b>	3.53 Lakhs

### 51. Environmental Management plan Budgetary Allocation

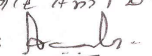
#### a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Site Safety	Barricading and dust suppression	9
2	Sanitary facility and waste water management	Water	18

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

**SEAC Meeting No: 110 Meeting Date: June 26, 2020**

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

3	Solid waste management	Solid waste	15
4	Occupation health and safety	Health checkup of workers, disinfection at site, first aid facility, personal protective equipment	10
5	Environmental Monitoring	Air, Noise, Water, Biological	07

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

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage treatment plant	1 no. of STP of capacity 365 kld	89.76	4.0
2	Rain Water Harvesting System	Recharge pits	7	0.25
3	Solid Waste Management	OWC, Manpower and colored dustbins	15	3.0
4	Green Belt Development	Landscaping and tree plantation	20	3
5	Energy Saving Measures	LED lights for common area lighting and using on grid solar generation	104	3.53

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

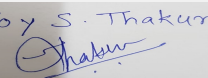
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

**52.Any Other Information**

No Information Available

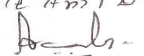
**53.Traffic Management**

Nos. of the junction to the main road & design of confluence:	4 nos.
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Joy S. Thakur  
  
**Joy S.Thakur (Secretary SEAC-III)**

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

Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	6213 sq.mt.
	Area per car:	27.25 sq.mt.
	Area per car:	27.25 sq.mt.
	Number of 2-Wheelers as approved by competent authority:	684 nos.
	Number of 4-Wheelers as approved by competent authority:	228 nos.
	Public Transport:	NA
	Width of all Internal roads (m):	12m , 9m, 6m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8 (a) -B2 Category
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

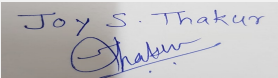
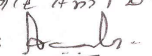
## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorisred in brief information of Project as below.

### Brief information of the project by SEAC

The Committee noted the PP has failed to submit the information related to the proposal in time. The Committee members expressed concerns over paucity of time to go through the information submitted by PP through e-mail. The proposal was **deferred**.

## DECISION OF SEAC

 <b>Joy S.Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 110 Meeting Date: June 26, 2020</b>	<b>Page 21 of 55</b>	<b>Name: K 072 Anil D.</b>  <b>Signature: Shri. Anil Kale (Chairman SEAC-III)</b>
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The Committee noted the PP has failed to submit the information related to the proposal in time. The Committee members expressed concerns over paucity of time to go through the information submitted by PP through e-mail. The proposal was **deferred**.

**Specific Conditions by SEAC:**

1) .

**FINAL RECOMMENDATION**

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

SEAC-AGENDA-00000000434

## Agenda for 110th SEAC-3 meeting scheduled 24-25-26 June, 2020 through Video Conference

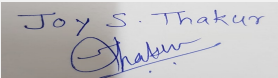
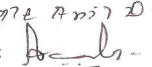
**SEAC Meeting number: 110 Meeting Date June 26, 2020**

**Subject:** Environment Clearance for Proposed Development of Dry Port (Inland Container Depot)

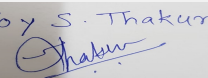
**Is a Violation Case:** No

<b>1.Name of Project</b>	Proposed Development of Dry Port (Inland Container Depot) at Javasgaon and Daregaon Villages in Jalna District, Maharashtra by JNPT
<b>2.Type of institution</b>	Government
<b>3.Name of Project Proponent</b>	Jawaharlal Nehru Port Trust
<b>4.Name of Consultant</b>	Sri Sai Manasa Nature Tech Private Limited
<b>5.Type of project</b>	Townships and Area Development Project
<b>6.New project/expansion in existing project/modernization/diversification in existing project</b>	New Project
<b>7.If expansion/diversification, whether environmental clearance has been obtained for existing project</b>	This is new Project
<b>8.Location of the project</b>	Survey Nos. 25 of Javasgaon and 318 of Daregaon Villages in Jalna District, Maharashtra
<b>9.Taluka</b>	Jalna
<b>10.Village</b>	Javasgaon & Daregaon
<b>Correspondence Name:</b>	Sri. S.V. Madabhavi, Chief Manager, PDD, JNPT
<b>Room Number:</b>	CM Chamber
<b>Floor:</b>	Second Floor
<b>Building Name:</b>	JNPT Administrative Building
<b>Road/Street Name:</b>	JNPT Road
<b>Locality:</b>	Sheva
<b>City:</b>	Uran
<b>11.Whether in Corporation / Municipal / other area</b>	Other Area
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	This is not building Project-NA <b>IOD/IOA/Concession/Plan Approval Number:</b> Not Applicable <b>Approved Built-up Area:</b> 87600
<b>13.Note on the initiated work (If applicable)</b>	DPR prepared for Development of Dry Port
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	This is not building Project-Not Applicable
<b>15.Total Plot Area (sq. m.)</b>	181.89 Hectare
<b>16.Deductions</b>	This is not building Project-Not Applicable
<b>17.Net Plot area</b>	181.89 Hectare
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> This is not building Project-Not Applicable <b>b) Non FSI area (sq. m.):</b> Not applicable <b>c) Total BUA area (sq. m.):</b> 181.89
<b>18 (b).Approved Built up area as per DCR</b>	<b>Approved FSI area (sq. m.):</b> This is not building Project-Not Applicable <b>Approved Non FSI area (sq. m.):</b> This is not building Project-Not Applicable <b>Date of Approval:</b> 01-01-1900
<b>19.Total ground coverage (m2)</b>	243100
<b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>	13.37
<b>21.Estimated cost of the project</b>	5604700000

### 22.Number of buildings & its configuration

 <b>Joy S.Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 110 Meeting Date: June 26, 2020</b>	<b>Page 23 of 55</b>	<b>Name: K. Anil Kale</b>  <b>Shri. Anil Kale (Chairman SEAC-III)</b>
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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)	
1	Custom Office	2 (G+2)	14.7	
2	Office	2 (G+2)	14.7	
3	Liquid Storage 1 & 2	1	5	
4	Cold Storage 1 & 2	1	5	
5	Commercial 1& 2	1	5	
6	Utility	1	5	
<b>23.Number of tenants and shops</b>	Not Applicable			
<b>24.Number of expected residents / users</b>	447			
<b>25.Tenant density per hectare</b>	Not Applicable			
<b>26.Height of the building(s)</b>				
<b>27.Right of way (Width of the road from the nearest fire station to the proposed building(s))</b>	30			
<b>28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation</b>	The fire fighting facility is provided as per OISD norms and are automatic & monitored form adjoining towers.			
<b>29.Existing structure (s) if any</b>	None			
<b>30.Details of the demolition with disposal (If applicable)</b>	No demolition & waste generation			
<b>31.Production Details</b>				
Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Proposed project is a development of dry port	Not Applicable	Not Applicable	Not Applicable
<b>32.Total Water Requirement</b>				

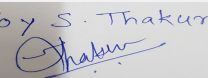
Joy S. Thakur  
  
**Joy S.Thakur (Secretary SEAC-III)**

**SEAC Meeting No: 110 Meeting Date: June 26, 2020**

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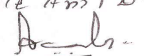
**Name: K a l e A n i l D.**  
**Signature: **  
**Shri. Anil Kale (Chairman SEAC-III)**

Dry season:	Source of water	MIDC							
	Fresh water (CMD):	918							
	Recycled water - Flushing (CMD):	4							
	Recycled water - Gardening (CMD):	10							
	Swimming pool make up (Cum):	Not applicable							
	Total Water Requirement (CMD) :	918							
	Fire fighting - Underground water tank(CMD):	No underground Tank is proposed							
	Fire fighting - Overhead water tank(CMD):	No overhead tank is proposed							
	Excess treated water	Nil							
Wet season:	Source of water	MIDC							
	Fresh water (CMD):	918							
	Recycled water - Flushing (CMD):	14							
	Recycled water - Gardening (CMD):	Not applicable							
	Swimming pool make up (Cum):	Not applicable							
	Total Water Requirement (CMD) :	918							
	Fire fighting - Underground water tank(CMD):	No underground Tank is proposed							
	Fire fighting - Overhead water tank(CMD):	No overhead tank is proposed							
	Excess treated water	Nil							
Details of Swimming pool (If any)	Not applicable- Proposed project is a liquid Cargo Jetty.								
<b>33.Details of Total water consumed</b>									
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Water Requirement									
Fresh water requirement	0	918	918	0	904	904	0	14	14

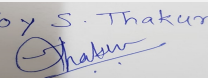
Joy S. Thakur  
  
**Joy S.Thakur (Secretary SEAC-III)**

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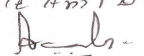
**Name: K. Anil Kale**  
  
**Signature: Shri. Anil Kale (Chairman SEAC-III)**

<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	20 to 25 m below ground level
	<b>Size and no of RWH tank(s) and Quantity:</b>	1 No. 100 x 50 x 2 = 10000 m <sup>3</sup>
	<b>Location of the RWH tank(s):</b>	South corner of the proposed project area
	<b>Quantity of recharge pits:</b>	Nil
	<b>Size of recharge pits :</b>	Nil
	<b>Budgetary allocation (Capital cost) :</b>	Naturally available at site shall be used as a RWH pit
	<b>Budgetary allocation (O &amp; M cost) :</b>	Nil
	<b>Details of UGT tanks if any :</b>	NOT APPLICABLE
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	South and east of the proposed project area
	<b>Quantity of storm water:</b>	2376.4 m <sup>3</sup>
	<b>Size of SWD:</b>	Width -1 m & Depth - 1.5 m (Average Depth)
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	14
	<b>STP technology:</b>	Waste water treatment using SBR Technology.
	<b>Capacity of STP (CMD):</b>	1 - 25 KLD
	<b>Location &amp; area of the STP:</b>	South corner of the proposed project area. Will be provide in EIA.
	<b>Budgetary allocation (Capital cost):</b>	14290000
	<b>Budgetary allocation (O &amp; M cost):</b>	500000
<b>36.Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	None
	<b>Disposal of the construction waste debris:</b>	Not Applicable
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	36 kg/day
	<b>Wet waste:</b>	72 kg/day
	<b>Hazardous waste:</b>	None
	<b>Biomedical waste (If applicable):</b>	None
	<b>STP Sludge (Dry sludge):</b>	1.5 kg/day
	<b>Others if any:</b>	None

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

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



<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Recyclable
	<b>Wet waste:</b>	Composting
	<b>Hazardous waste:</b>	Not Applicable
	<b>Biomedical waste (If applicable):</b>	Not Applicable
	<b>STP Sludge (Dry sludge):</b>	Shall be used as a manure for greenbelt
	<b>Others if any:</b>	Not Applicable
<b>Area requirement:</b>	<b>Location(s):</b>	Not Applicable
	<b>Area for the storage of waste &amp; other material:</b>	Not Applicable
	<b>Area for machinery:</b>	Not applicable
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Not applicable
	<b>O &amp; M cost:</b>	Not Applicable

### 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	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

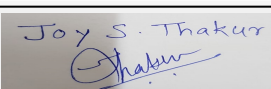
### 39. Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	DG Set	Diesel 240 lph	1	18.9	0.5	NA

### 40. Details of Fuel to be used

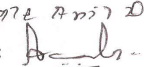
Serial Number	Type of Fuel	Existing	Proposed	Total
1	None	NA	NA	NA

41. Source of Fuel	NA
42. Mode of Transportation of fuel to site	NA

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

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

<b>43.Green Belt Development</b>	<b>Total RG area :</b>	18.32 Hectare
	<b>No of trees to be cut :</b>	None
	<b>Number of trees to be planted :</b>	21790
	<b>List of proposed native trees :</b>	Neem, Karanj, Teak, Arjun, Tut, Jamun, Peepal, Bamboo, Kadamb, Shisam, Mahua etc.
	<b>Timeline for completion of plantation :</b>	5 Year

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Details given in EMP	Details given in EMP	Details given in EMP	Details given in EMP

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

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

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

#### 47.Energy

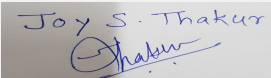
<b>Power requirement:</b>	<b>Source of power supply :</b>	MSTCL, Maharashtra Govt.
	<b>During Construction Phase: (Demand Load)</b>	Construction phase power supply will be met by DG sets. 2000 KVA
	<b>DG set as Power back-up during construction phase</b>	None
	<b>During Operation phase (Connected load):</b>	214 MVA
	<b>During Operation phase (Demand load):</b>	214 MVA
	<b>Transformer:</b>	214 MVA
	<b>DG set as Power back-up during operation phase:</b>	2 x 1000 KVA
	<b>Fuel used:</b>	Diesel
	<b>Details of high tension line passing through the plot if any:</b>	Two high tension lines are passing through the proposed project area

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

Southern edge of each plot will have solar panel to harness solar energy. Also, building roofs have photovoltaic solar panels as a energy saving by non conventional method.

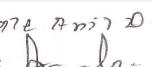
#### 49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Yes, detail will give in EIA report	Yes, detail will give in EIA report

  
Joy S.Thakur (Secretary SEAC-III)

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

## 50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
2 x 1000 KVA DG Set	Not Applicable	Available latest technology will be used
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Detail will give in EIA report
	<b>O &amp; M cost:</b>	Detail will give in EIA report

## 51.Environmental Management plan Budgetary Allocation

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

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Construction	Construction of STP & STP conveying pipelines and other environmental related works	18000000

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

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Dust Suppression on internal approach roads and site connecting road	Water tankers will be used	Not Applicable	5.0
2	Sewage Treatment Plant	Operation and Maintenance	142.9	5.0
3	Greenbelt Development	Leveling and developing	18.0	10.0
4	Environmental Monitoring	Monitoring of Environmental parameters	Not Applicable	4.0
5	Site Housekeeping	Housekeeping of proposed project area	Not Applicable	11.52
6	Miscellaneous Environmental Works	Environmental related works	20.0	5.0

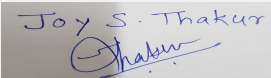
## 51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

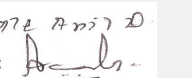
## 52.Any Other Information

No Information Available

## 53.Traffic Management

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

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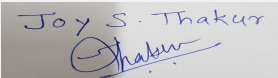
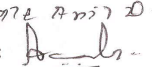
**Name: K. Anil Kale**  
  
**Signature: Shri. Anil Kale (Chairman SEAC-III)**

	<b>Nos. of the junction to the main road &amp; design of confluence:</b>	1 - Existing single lane road is connecting to Jalna-Aurangabad SH 30 at a distance of 4 km.
<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>	642000
	<b>Area per car:</b>	Details are given in EMP under heading parking area statement
	<b>Area per car:</b>	Details are given in EMP under heading parking area statement
	<b>Number of 2-Wheelers as approved by competent authority:</b>	Details are given in EMP under heading parking area statement
	<b>Number of 4-Wheelers as approved by competent authority:</b>	Details are given in EMP under heading parking area statement
	<b>Public Transport:</b>	Details are given in EMP under heading parking area statement
	<b>Width of all Internal roads (m):</b>	30 & 20
	<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>	No protected area is falling in 10 km radius of the proposed project site
	<b>Category as per schedule of EIA Notification sheet</b>	8(b) - Township and Area Development Project
	<b>Court cases pending if any</b>	No
	<b>Other Relevant Informations</b>	No
	<b>Have you previously submitted Application online on MOEF Website.</b>	Yes
	<b>Date of online submission</b>	01-01-1900

## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorisred in brief information of Project as below.

### Brief information of the project by SEAC

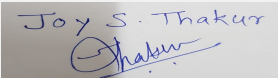
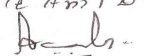
 <b>Joy S.Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 110 Meeting Date: June 26, 2020</b>	<b>Page 30 of 55</b>	<b>Name: K. Anil Kale</b>  <b>Signature: Shri. Anil Kale (Chairman SEAC-III)</b>
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PP had submitted application for prior Environmental clearance for total plot area of 181.89 ha.

The proposal 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(b)B1.

## DECISION OF SEAC

SEAC-AGENDA-00000000434

 <b>Joy S.Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 110 Meeting Date: June 26, 2020</b>	<b>Page 31 of 55</b>	<b>Name: K 072 Anil D.</b>  <b>Signature: Shri. Anil Kale (Chairman SEAC-III)</b>
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The Committee informed PP to revise EIA Report on the basis of the discussions during the VC Meeting. The following shall be considered while revising EIA report:

1. PP has proposed CER for Rs. 6.01 Cr.

PP has proposed sanitary facilities for surrounding villages for Rs. 60 Lakhs. PP to submit details of activities and locations.

PP to drop individual benefit schemes for Rs. 30 Lakhs and instead of that PP to provide computers to school for Rs. 100 Lakh and give the names of schools and villages.

PP has proposed Rs. 150 Lakh for plantation. PP to plant 3000 trees @ Rs. 5000/- per tree and give location and details of plantation.

PP to provide three well equipped ambulances to Govt. Hospitals @ Rs. 40 Lakh per ambulance.

PP has proposed activity viz. "Maintenance/ Repair of Hand Pumps/ Bore wells. Gram Panchayat dug well de-siltation & deepening. Surface water bodies de-siltation & deepening Maintenance/ Repair of surrounding village roads" which is blanket and vague. Hence PP to drop this activity.

2. PP has proposed to install approximately 56 solar street lights with poles along the 200 meter each village road at Javagaon & Daregaon District Jalna for Rs. 21 Lakh, which is approved.

3. The Traffic Impact Study should include the following:

1. The Entry and Exit points of the Proposed Development to the adjacent road network.

2. Topographic details of the roads and intersections with the actual geometry and number of lanes on the ground with dimensions.

3. Present Traffic Volume Counts on all the external roads surrounding the proposed Development.

4. Present Traffic Volume Counts on adjacent intersections of these external roads.

5. Present Capacities of the adjacent roads and intersections based on width of the road, number of traffic lanes available etc.

6. Calculation of V/C (Volume Over Capacity Ratios) at present on adjacent roads and intersections and levels of services as per IRC.

7. Traffic Volume generated from the Proposed Development based on Residential/ Commercial/ Industrial/ Transport Terminals/ Other uses number of occupants, vehicles, parking and other factors etc. including any other assumptions made.

8. Growth rate assumed for Traffic Projections and basis for the same such as Govt. Documents etc.

9. Projections of Traffic Volumes for 5-10-15 year period on the adjacent roads and intersections.

10. Future Capacities of the adjacent roads and intersections based on proposed widening etc.

11. Calculation of V/C (Volume Over Capacity Ratios) for 5-10-15 years period and levels of services as per IRC.

12. Tabulation and diagrammatic representation of the above including Traffic Flow Diagrams and graphic representations.

13. Mitigation measures proposed for Traffic Management and containment of V/C Ratios below 1 and levels of service not below C in future after development.

14. Traffic Signs, Signals and Markings on the adjacent road network and intersections proposed.

15. Detailed Parking Layout Plan for trucks and container lorries including Driveway widths, turning radius etc for easy manoeuvring.

16. Fire Tender Movement Plan clearly showing the Fire Tender movement with arrows, width of driveways, turning radius etc. clearly visible on the plan and accessible to all Buildings, Parking lots etc. in the proposed development.

17. Cross sections of the driveways at various locations with clearances on both sides for services etc.

18. Parking Layout Plan for all Floors in all internal developments showing slope and width of the ramps if any. Ramps for Heavy Vehicles to be designed with gentler slopes, extra width and increased radius for safety and easy manoeuvring.

19. Parking Area Statement showing the number of cars and other vehicles required as per DCR and actually provided. Area Per Car calculations as per MOEF to be submitted for all levels.

20. Evacuation Plan in detail with a report. Direction wise movement Plan for Occupants, Visitors showing the pathways for approaching the refuge floor/ground floor/assembly points with arrows and appropriate sign board to be provided. Pathways for movement of Cars/vehicles from both levels towards the appropriate exits should be indicated in the Plan with arrows. The travel distances should also be shown in the Plan and detailed time calculation for Evacuation of the cars/vehicles from various locations should be done. The same should then be tabulated and summarized mentioning the total time taken for evacuation of all vehicles with appropriate sign boards.

4. PP to submit details of water bodies existing on site and submit plan for maintaining / preserving the same.

5. PP to submit details / drawings of internal storm water drain upto final disposal point.

6. PP to submit geohydrological data along with details of RWH pits.

7. PP to submit details / drawings of sewage line upto final disposal point and submit drainage NOC.

8. Project description to be provided with details for environmental aspects.

9. PP to submit all baseline data.

10. How much is the population which will be residing in the facility and how much working population.

11. Water requirement is 918 kld, Treated water is 18 kld. What is other effluent generation.

12. Provide solid waste management as for dry port activity. What are other solid wastes will be generated in dry port activities. Also consider the hazardous, e-waste waste generation.

13. Particulate and gaseous emissions from cranes which will be used for loading-unloading, vehicles used for transportation other than electrical locomotives.

14. Waste water generation need to consider washings, even may be intermittent/as and when required.

15. Cold storage energy need to be considered vehicle calculating carbon footprint and energy requirement.

16. AQM is carried out by using ISCST3. PP to carry out using latest modelling tools such as AEROMOD.

17. Some of the activities are proposed and will take activity wise clearance at later point. The list of proposed activities and their brief details with commitment of separate EC for these activities should be submitted.

18. PP to submit details of energy saving calculations.

19. PP to submit co-ordinated master layout superimposing all environmental parameters and cross-sections across these parameters.

20. PP to submit following NOC's: (a) CFO (b) Water supply with quantity, (c) solid waste / e-waste management. (d) bio-medical waste management.

21. PP to submit indemnity bond indemnifying Environment Department, GoM and SEAC-3 from any legal consequences.

22. PP to submit survival report of existing trees with photograph.

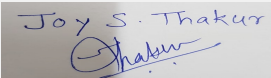
23. PP to submit phase-wise program for transplantation / cutting of trees if any and plantation plan for entire site as per guidelines of competent authority / MoEF&CC. PP to submit NOC from competent authority for the same.

24. PP to incorporate local native fruit bearing / evergreen trees in plantation plan and submit list of the trees.

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

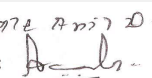
Specific Conditions by SEAC:

1).

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

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

## FINAL RECOMMENDATION

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


SEAC-AGENDA-00000000434

Joy S. Thakur  


Joy S. Thakur (Secretary  
SEAC-III)

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2020**

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of 55**

Name: K 072 Anil D.  
Signature: 

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

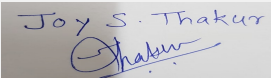
## Agenda for 110th SEAC-3 meeting scheduled 24-25-26 June, 2020 through Video Conference

**SEAC Meeting number: 110 Meeting Date June 26, 2020**

**Subject:** Environment Clearance for Residential and commercial Project at Wagholi Pune by Goel Ganga India Pvt. Ltd. through Shri Atul Goel

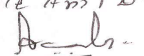
**Is a Violation Case:** No

<b>1.Name of Project</b>	Residential and commercial Project at Gat No 1321, Old Gat No 2307 Hissa No 1 to 7, Wagholi Pune by Goel Ganga India Pvt. Ltd. through Shri Atul Goel
<b>2.Type of institution</b>	TOR
<b>3.Name of Project Proponent</b>	Mr Atul Goel
<b>4.Name of Consultant</b>	NABET Accredited Consultant
<b>5.Type of project</b>	Housing Project
<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>	NA
<b>8.Location of the project</b>	Gat No 1321, Old Gat No 2307 Hissa No 1 to 7, Wagholi
<b>9.Taluka</b>	Haveli
<b>10.Village</b>	Wagholi
<b>Correspondence Name:</b>	Mr Atul Goel
<b>Room Number:</b>	-
<b>Floor:</b>	3rd floor
<b>Building Name:</b>	San mahu Complex
<b>Road/Street Name:</b>	Bund garden road
<b>Locality:</b>	Opposite Poona Club
<b>City:</b>	Pune 411001
<b>11.Whether in Corporation / Municipal / other area</b>	PMRDA
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	Will be applied IOD/IOA/Concession/Plan Approval Number: Will be applied Approved Built-up Area:
<b>13.Note on the initiated work (If applicable)</b>	NA
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	NA
<b>15.Total Plot Area (sq. m.)</b>	1,27,800.00
<b>16.Deductions</b>	37,711.13
<b>17.Net Plot area</b>	90,088.87
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> 1,89,172.66
	<b>b) Non FSI area (sq. m.):</b> 1,03,536.05
	<b>c) Total BUA area (sq. m.):</b> 292708.71
<b>18 (b).Approved Built up area as per DCR</b>	<b>Approved FSI area (sq. m.):</b> -
	<b>Approved Non FSI area (sq. m.):</b> -
	<b>Date of Approval:</b> 01-01-1900
<b>19.Total ground coverage (m2)</b>	17,644.50
<b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>	17.98
<b>21.Estimated cost of the project</b>	2500000000

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

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



## 22. Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Phase A- T Type -01 -	4P + 17 Floors	63.45
2	Phase A Bldg 2	4P + 17 Floors	63.45
3	Phase A Bldg 3	4P + 17 Floors	63.45
4	Phase A Bldg 4	4P + 17 Floors	63.45
5	Phase A Bldg 5	P + 17 Floors	54.00
6	Phase A Bldg 6	P + 17 Floors	54.00
7	Phase A Bldg 7	4P + 17 Floors	63.45
8	Phase A Bldg 8	4P + 17 Floors	63.45
9	Phase A commercial Bldg	Ground + Mezzanine + 1 Floor	10.00
10	Phase B Bldg 9	4P + 17 Floors	63.45
11	Phase B Bldg 10	4P + 17 Floors	63.45
12	Phase B Bldg 11	4P + 17 Floors	63.45
13	Phase B Bldg 12	4P + 17 Floors	63.45
14	Phase B Bldg 13	P + 1 Floors	6.00
15	Phase B Bldg 14	P + 1 Floors	6.00
16	Phase B Bldg 15	4P + 7 Floors	33.45
17	Phase B Bldg 16	4P + 17 Floors	63.45
18	Commercial Bldg C2	Ground + Mezzanine + 1 Floor	10.00
19	Commercial Bldg C3	Ground + Mezzanine + 1 Floor	10.00
20	Plots - 48	-	-
21	MHADA	P1 + 17 Floors	54.00

<b>23. Number of tenants and shops</b>	Phase A - 1496 Flats + 18 Shpos + 18 offices Phase B - 1120 Flats + 18 Shpos + 18 offices Phase C - 48 Plots MHADA - 272 Flats TOTAL - 2888 Flats + 48 Plots + 54 Shops + 54 offices
<b>24. Number of expected residents / users</b>	Residential = 16560 Commercial = 5220
<b>25. Tenant density per hectare</b>	320.88
<b>26. Height of the building(s)</b>	
<b>27. Right of way (Width of the road from the nearest fire station to the proposed building(s))</b>	12
<b>28. Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation</b>	minimum 9m
<b>29. Existing structure (s) if any</b>	No

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

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

30.Details of the demolition with disposal (If applicable)	No
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### 31.Production Details

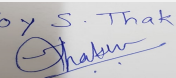
Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

### 32.Total Water Requirement

Dry season:	Source of water	Local body
	Fresh water (CMD):	1624
	Recycled water - Flushing (CMD):	876
	Recycled water - Gardening (CMD):	60
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	2560
	Fire fighting - Underground water tank(CMD):	Phase A - 650 Phase B - 650 Phase C - 100 MHADA - 150
	Fire fighting - Overhead water tank(CMD):	25
	Excess treated water	1315
Wet season:	Source of water	Local body
	Fresh water (CMD):	1624
	Recycled water - Flushing (CMD):	876
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	2500
	Fire fighting - Underground water tank(CMD):	Phase A - 650 Phase B - 650 Phase C - 100 MHADA - 150
	Fire fighting - Overhead water tank(CMD):	25
	Excess treated water	1375
Details of Swimming pool (If any)	NA	

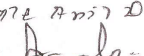
### 33.Details of Total water consumed

Particulars	Consumption (CMD)	Loss (CMD)	Effluent (CMD)
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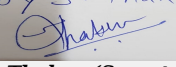
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 Shri. Anil Kale (Chairman SEAC-III)

Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Fresh water requirement	Not applicable	1624	1624	Not applicable	162	162	Not applicable	1462	1462
Domestic	NA	876	876	NA	88	88	NA	788	788
Gardening	NA	60	60	NA	60	60	NA	0	0

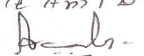
<b>34. Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	As per hydro-geological survey report
	<b>Size and no of RWH tank(s) and Quantity:</b>	NA
	<b>Location of the RWH tank(s):</b>	NA
	<b>Quantity of recharge pits:</b>	Will be proposed based on hydro-geological survey report
	<b>Size of recharge pits :</b>	Will be proposed based on hydro-geological survey report
	<b>Budgetary allocation (Capital cost) :</b>	-
	<b>Budgetary allocation (O &amp; M cost) :</b>	-
<b>Details of UGT tanks if any :</b>	<p>Domestic UG tank Capacity (cum) :</p> <p>Phase A - 1036 Phase B - 1036 Phase C - 168 MHADA - 196 Flushing tank Capacity(cum) Phase A - 100 Phase B - 100 Phase C - 50 MHADA - 50</p> <p>Fire UG tank Capacity (cum) Phase A - 650 Phase B - 650 Phase C - 100 MHADA - 150</p>	

<b>35. Storm water drainage</b>	<b>Natural water drainage pattern:</b>	Will be maintained as per contour
	<b>Quantity of storm water:</b>	As per Hydrogeological report
	<b>Size of SWD:</b>	1200 mm (48 Inch )

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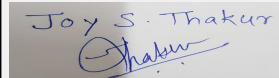
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	Phase A - 935.18 KLD Phase B - 935.18 KLD Phase C - 206.76 KLD MHADA - 172 .44 KLD
	<b>STP technology:</b>	MBBR
	<b>Capacity of STP (CMD):</b>	Phase A - 940 KL Phase B - 940 KL Phase C - 210 KL MHADA - 180 KL
	<b>Location &amp; area of the STP:</b>	As per layout
	<b>Budgetary allocation (Capital cost):</b>	Phase A - Rs.88 Lakh Phase B - Rs. 88 Lakh Phase C - Rs. 16.00 Lakh MHADA - Rs. 14.5 Lakh
	<b>Budgetary allocation (O &amp; M cost):</b>	Phase A - Rs. 43 Lakh/year Phase B - Rs. 43Lakh/year Phase C - Rs. 12.96 Lakh/year MHADA - Rs. 12.60 Lakh/ Year

### 36.Solid waste Management

<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	Waste generated from Construction worker - 10 Kg/day
	<b>Disposal of the construction waste debris:</b>	Waste generated from Construction worker - Will be handed over to gphantagadi. Remaining will be used for filling in Landscape area and Road work and balance Excavated material will be transported to the plot owned by Goel Ganga Group for site levelling
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	4095 kg/day
	<b>Wet waste:</b>	5490 kg/day
	<b>Hazardous waste:</b>	-
	<b>Biomedical waste (If applicable):</b>	-
	<b>STP Sludge (Dry sludge):</b>	148.5 Kg/day
	<b>Others if any:</b>	E - Waste - 29.8 Kg/day
<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Will be handed over to SWACH
	<b>Wet waste:</b>	Treatment in Organic Waste Converter and further used as manure
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	Used as Manure
	<b>Others if any:</b>	E- waste will be disposed through authorised vendor
<b>Area requirement:</b>	<b>Location(s):</b>	As per layout
	<b>Area for the storage of waste &amp; other material:</b>	OWC 1 -150 m2+ OWC 2 - 150 m2+ OWC 3 - 48 m2 + OWC 4- 44 m2
	<b>Area for machinery:</b>	Included in above
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs. 124.25 Lakh
	<b>O &amp; M cost:</b>	Rs. 26.83 lakh / annum

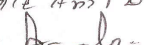
### 37.Effluent Charecteristics

Serial Number	Parameters	Unit	Inlet Effluent Charecteristics	Outlet Effluent Charecteristics	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			

  
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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	250 - 1	HSD	1	7.5	0.015	454
2	200 - 3	HSD	3	7.2	0.015	454
3	160 - 1	HSD	1	6.5	0.015	454

### 40.Details of Fuel to be used

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

41.Source of Fuel

Authorized vendor

42.Mode of Transportation of fuel to site

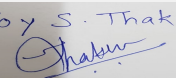
By road

### 43.Green Belt Development

<b>Total RG area :</b>	10598.69 m2
<b>No of trees to be cut :</b>	0
<b>Number of trees to be planted :</b>	Listed below
<b>List of proposed native trees :</b>	All
<b>Timeline for completion of plantation :</b>	6 Month After project Completion

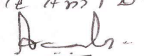
### 44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadirachta indica	Neem	20	Medicinal properties quick growing, good air purifier
2	AnthocephallusCadamba	Kadamb	38	Shady, large tree, ball shaped flower.
3	MichelliaChampaca	Son chafa	19	Fruit bearing trees, attracts birds.
4	Michelia champaca	Son Chanfa	115	Medium sized evergreen tree, fragrant yellow flowers
5	Mimusopselengill	Bakul	143	Fragrant flowers
6	AlbezziaLebbeck	Shirish	7	Quick growing, hardy, good soil binder, drought tolerant.

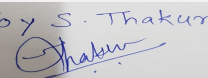
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7	PangamiaPinnata	Karanj	230	It is larval host for burterfilesNitorgen fixing plants
8	Cordia	Cordia	15	Fragrant flowers
9	Bauhineapurpurea	Kanchan	15	Grows in less soil, drought resistant.
10	Lagerstromiaflos - reginae	Lagerstromia	18	Medium size, grows in dry/arid climate.
11	PopulusSpp	Popular	7	This tree is deciduous. There area around 35 species of poplar trees that different size, shape of the leaves, color of the bark and type of habitat. People cultivate popular tree because it grows quickly, provides enough shade and its wood can used for numerous purposes.
12	Cassia Fistula	Bahawa	12	Medium sizw deciduous tree Grows in less soil or murum. Full of yellow flowers during summer seasons.
13	Terminalia Arjuna	Arjun	13	This is evergreen, deciduous tree. 2.5 m in trunk diameter. It is often buttressed with a wide canopy and its bark is smooth and gray.
14	Nyctanthesarbortristis	Prajakta	46	Fragrant flowers
15	MurrayaPaniculata	Kunti	24	Bloom throughout the year, flowers with excellent fragrance
16	Saraca indica	Sita Ashok	63	Evergreen tree with rounded crown, hardy tree
17	AcrusPhyllanthusemblicasapota	Amla	14	Medicinal properties.
18	Psidiumgujava	Peru	6	Fruit bearing tree, attracts birds
19	AnnonaReticulata	Ramphal	18	Fruit bearing tree
20	MangiferaIndica	Mango	3	Fruit bearing tree, attracts birds
21	Syzygiumcumini	Jam/ Jambhul	45	Fruit bearing tree, attracts birds
22	Arthocarpusheterophyllus	Phanus	14	Fruit bearing tree
23	AcrusSapata	Chikku	9	Fruit bearing tree attracts birds
24	Muntingiacalabura	Singapore Cherry	14	Fast growing, Medium size, fruits bearing, attracts birds.
25	KhayaGrandis	Khaya	22	Fruit bearing tree shady, deciduous.
26	ErythrinaVariegata	Pangara	15	Quick growing, flowering tree, a nitrogen fixing tree.
27	DalbergiaSissoo	Sisu	76	This is a medium to large tree of about 10 to 15 m high in dry areas and up to 30 m in wet areas. It is deciduous, with a light crown and an often crooked trunk.
28	Parkiabiglandulosa	Chendufal	26	This is a very attractive tree with fine feathery foliage plan go to over 30 m fall they are quick growing the tree area suitable for planting as for avenue or for light shade
29	Bauhinia recemosa	Apta	92	Deciduous, drought resistant
30	Buteamonosperma	Palas	7	Used in forestation of saline & water logged regions.

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31	Pterocarpus Santalinus	Raktchandan	16	This tree is a moderate-sized deciduous tree with clear trunk and dense rounded crown. It girth of 0.9 - 1.5 m under favorable growing conditions. The blackish brown bark is fissure and resembles crocodile skin.
----	------------------------	-------------	----	---

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

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

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

**47.Energy**

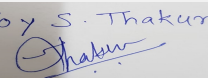
<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	30 KW
	<b>DG set as Power back-up during construction phase</b>	40 kVA
	<b>During Operation phase (Connected load):</b>	15013 KW ( 16681 KVA )
	<b>During Operation phase (Demand load):</b>	13344 KVA
	<b>Transformer:</b>	No. Of Transformers - 18 Nos. 22KV / 630KVA - 18 No's.
	<b>DG set as Power back-up during operation phase:</b>	During Operation Phase - 5 Nos. 250 KVA - 1 No. 200 KVA - 3 Nos. 160 KVA - 1 No.
	<b>Fuel used:</b>	Diesel
	<b>Details of high tension line passing through the plot if any:</b>	No

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

Solar water heating  
Solar light power pack system

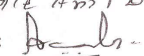
**49.Detail calculations & % of saving:**

Serial Number	Energy Conservation Measures	Saving %
1	Solar Water Heating Systems Will Be Done For Bathrooms.	19.25
2	Solar lights will be provided for common amenities like Street lighting & Garden lighting.	included in above
3	CFL & LED based lighting will be done in the common areas, landscape areas, signage's, Entry gates and boundary compound walls etc.	included in above
4	Auto Timer Switches will be provided for Street lights, Garden lights, Parking & staircase Lights & Other Common Area Lights, for saving electrical energy.	included in above

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5	Water Level Controllers with Timers will be used for Water Pumps.	included in above
6	To create awareness to end consumer or flat owner, for using energy efficient light fittings like CFL, T5 Lamps & LED Lights	included in above

### 50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
STP	Not applicable	4
OWC	NA	4
DG set	NA	5

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	1 ) Solar Water Heating System - Capital Cost - 315.20 Lakh 2) Solar Light Power Pack System - Capital Cost - 126 Lakh
	<b>O &amp; M cost:</b>	Solar water heating system O & M Cost Per Annum = Rs. 6.30 -LakhSolar Light Power pack systemO& M Cost Per Annum = Rs. 2.52/-Lakh

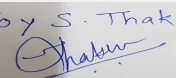
### 51.Environmental Management plan Budgetary Allocation

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

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water For Dust Suppression	1.44
2	Air Environment	Air & Noise Monitoring	0.48
3	Water Environment	Tanker Water For Construction	14.4
4	Water Environment	Water Monitoring	0.6
5	Land Environment	Site Sanitation -toilets	4.2
6	Biological Environment	Top soil Preservation Cost	5.0
7	Socio-economic Environment	Disinfection- Pest Control	0.06
8	Socio-economic Environment	First Aid Facilities	0.15
9	Socio-economic Environment	Health Check Up	0.2
10	Socio-economic Environment	Creches For Children	1.2
11	Socio-economic Environment	Personal Protective Equipment	1.23
12	Energy Conservation	CFL lamps for labor hutments	0.05

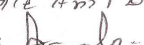
#### b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	4	206.5	111.56
2	Solid Waste Management	4	124.25	26.83

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3	Green Belt Development	Green Belt Development	96.77	21.57
4	Energy Use (Solar panel )	-	126.00	2.52
5	Energy Use (Solar water heating )	-	315.20	6.30
6	Lightening Arrestor	-	10.80	0.25
7	Environmental Monitoring	-	-	26.71

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

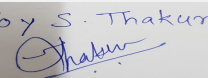
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 52.Any Other Information

No Information Available

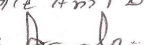
### 53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1
Parking details:	Number and area of basement:	NA
	Number and area of podia:	1
	Total Parking area:	71,794.66
	Area per car:	30 sq m
	Area per car:	30 sq m
	Number of 2-Wheelers as approved by competent authority:	Provided 4721
	Number of 4-Wheelers as approved by competent authority:	Provided 1622
	Public Transport:	PMPML
	Width of all Internal roads (m):	12 m
	CRZ/ RRZ clearance obtain, if any:	No

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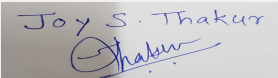
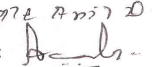
Name: K. Anil Kale  
  
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	<b>Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries</b>	None within 10 Km
	<b>Category as per schedule of EIA Notification sheet</b>	8a (B1)
	<b>Court cases pending if any</b>	Case No 135-2018 Civil court Pune
	<b>Other Relevant Informations</b>	-
	<b>Have you previously submitted Application online on MOEF Website.</b>	No
	<b>Date of online submission</b>	-

### SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

<b>Environmental Impacts of the project</b>	-
<b>Water Budget</b>	-
<b>Waste Water Treatment</b>	-
<b>Drainage pattern of the project</b>	-
<b>Ground water parameters</b>	-
<b>Solid Waste Management</b>	-
<b>Air Quality &amp; Noise Level issues</b>	-
<b>Energy Management</b>	-
<b>Traffic circulation system and risk assessment</b>	-
<b>Landscape Plan</b>	-
<b>Disaster management system and risk assessment</b>	-
<b>Socioeconomic impact assessment</b>	-
<b>Environmental Management Plan</b>	-
<b>Any other issues related to environmental sustainability</b>	-

### Brief information of the project by SEAC

 <b>Joy S.Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 110 Meeting Date: June 26, 2020</b>	<b>Page 44 of 55</b>	<b>Name: K. Anil Kale</b>  <b>Shri. Anil Kale (Chairman SEAC-III)</b>
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PP remained **absent**. The proposal was **deferred**.

### DECISION OF SEAC

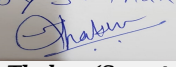
PP remained **absent**. The proposal was **deferred**.

Specific Conditions by SEAC:

### FINAL RECOMMENDATION


Kindly find SEIAA decision above.

SEAC-AGENDA-0000000434

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SEAC-III)

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

## Agenda for 110th SEAC-3 meeting scheduled 24-25-26 June, 2020 through Video Conference

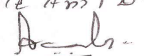
**SEAC Meeting number: 110 Meeting Date June 26, 2020**

**Subject:** Environment Clearance for Proposed Residential Project

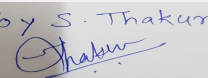
**Is a Violation Case:** No

<b>1.Name of Project</b>	Eisha Empire
<b>2.Type of institution</b>	Private
<b>3.Name of Project Proponent</b>	Pushpaganga Realtors LLP
<b>4.Name of Consultant</b>	Vke:Environmental
<b>5.Type of project</b>	Housing Project
<b>6.New project/expansion in existing project/modernization/diversification in existing project</b>	Expansion in existing
<b>7.If expansion/diversification, whether environmental clearance has been obtained for existing project</b>	NO
<b>8.Location of the project</b>	S.No.45/1A/1B,45/1A/2 Hadapsar Pune
<b>9.Taluka</b>	Haveli
<b>10.Village</b>	Hadapsar
<b>Correspondence Name:</b>	Swaran Singh
<b>Room Number:</b>	-
<b>Floor:</b>	6th floor
<b>Building Name:</b>	San Mahu Complex
<b>Road/Street Name:</b>	Bund Garden Road
<b>Locality:</b>	Opp Poona Club
<b>City:</b>	Pune
<b>11.Whether in Corporation / Municipal / other area</b>	Pune Municipal Cororation (PMC)
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	Plan Approval received from PMC - CC/0980/18 dated 9/7/2018 <b>IOD/IOA/Concession/Plan Approval Number:</b> IOD Aproval number cc/0980/18 dated 9/7/2018 <b>Approved Built-up Area:</b> 31150.27
<b>13.Note on the initiated work (If applicable)</b>	Building A -P+9 ,B-P+9,C-P+9,D-P+9 and E-P+9, club house -G+1
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	NA
<b>15.Total Plot Area (sq. m.)</b>	16700
<b>16.Deductions</b>	927.06
<b>17.Net Plot area</b>	15772.94
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> 18192.3 <b>b) Non FSI area (sq. m.):</b> 12957.97 <b>c) Total BUA area (sq. m.):</b> 31150
<b>18 (b).Approved Built up area as per DCR</b>	<b>Approved FSI area (sq. m.):</b> 18192.3 <b>Approved Non FSI area (sq. m.):</b> 12957.97 <b>Date of Approval:</b> 09-07-2018
<b>19.Total ground coverage (m2)</b>	2800.69
<b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>	30%
<b>21.Estimated cost of the project</b>	368500000

### 22.Number of buildings & its configuration

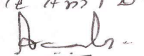
 <b>Joy S.Thakur (Secretary SEAC-III)</b>	<b>SEAC Meeting No: 110 Meeting Date: June 26, 2020</b>	<b>Page 46 of 55</b>	<b>Name: K ०१६ Anil D.</b> <b>Signature:</b>  <b>Shri. Anil Kale (Chairman SEAC-III)</b>
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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)	
1	Wing A	P+9	29.15	
2	Wing B	P+9	29.15	
3	Wing C	P+9	29.15	
4	Wing D	P+9	29.15	
5	Wing E	P+9	29.15	
6	Wing F	P+12	37.70	
7	Club House	G+1	5.90	
<b>23.Number of tenants and shops</b>		288 Tenaments		
<b>24.Number of expected residents / users</b>		1440 Residents		
<b>25.Tenant density per hectare</b>		250		
<b>26.Height of the building(s)</b>				
<b>27.Right of way (Width of the road from the nearest fire station to the proposed building(s))</b>		Nearest Fire Station at Amanora fire station,Hadapsar & Width of the road from the nearest fire station to the proposed building -24m. wide road abutting to site		
<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 9 m.		
<b>29.Existing structure (s) if any</b>		Building A -P+9 ,B-P+9,C-P+9,D-P+9 and E-P+9, club house -G+1		
<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>				

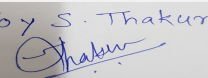
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Dry season:	Source of water	PMC/Recycled water from STP								
	Fresh water (CMD):	130								
	Recycled water - Flushing (CMD):	65								
	Recycled water - Gardening (CMD):	9								
	Swimming pool make up (Cum):	2.0								
	Total Water Requirement (CMD) :	204								
	Fire fighting - Underground water tank(CMD):	300								
	Fire fighting - Overhead water tank(CMD):	120								
	Excess treated water	84								
Wet season:	Source of water	PMC/Recycled water from STP								
	Fresh water (CMD):	130								
	Recycled water - Flushing (CMD):	65								
	Recycled water - Gardening (CMD):	0								
	Swimming pool make up (Cum):	2.0								
	Total Water Requirement (CMD) :	195								
	Fire fighting - Underground water tank(CMD):	300								
	Fire fighting - Overhead water tank(CMD):	120								
	Excess treated water	93								
Details of Swimming pool (If any)	Swimming pool area -10m x 6m X1.2 m Water Required - 72.00 cum Make up water required - 2.0 cum									
<b>33.Details of Total water consumed</b>										
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)			
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total	
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	

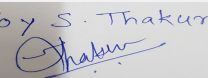
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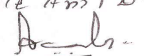
Name: K. Anil Kale  
  
**Shri. Anil Kale (Chairman SEAC-III)**

<b>34. Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	About 25 m
	<b>Size and no of RWH tank(s) and Quantity:</b>	NA
	<b>Location of the RWH tank(s):</b>	NA
	<b>Quantity of recharge pits:</b>	6
	<b>Size of recharge pits :</b>	1.5m X1.5mX1.5m
	<b>Budgetary allocation (Capital cost) :</b>	6.90 lac
	<b>Budgetary allocation (O &amp; M cost) :</b>	0.5 Lac/Annum
	<b>Details of UGT tanks if any :</b>	Drinking-54 CUM Domestic-140 CUM Fire-300 CUM Flushing Tank- 65 CUM
<b>35. Storm water drainage</b>	<b>Natural water drainage pattern:</b>	As per contour slope
	<b>Quantity of storm water:</b>	0.24 m3/sec
	<b>Size of SWD:</b>	450x300 mm
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	166
	<b>STP technology:</b>	MBBR
	<b>Capacity of STP (CMD):</b>	1 Nos. 175 KLD
	<b>Location &amp; area of the STP:</b>	As per master Layout
	<b>Budgetary allocation (Capital cost):</b>	40.20Lac
	<b>Budgetary allocation (O &amp; M cost):</b>	11.20 Lac/annum
<b>36. Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	Empty cement bags, steel, sand, packaging material, Aggregates
	<b>Disposal of the construction waste debris:</b>	Excavated earth material will be used for filling of plinth area
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	288 kg/day
	<b>Wet waste:</b>	432 kg/day
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	25 Kg/day
	<b>Others if any:</b>	NA

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<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Handed over to authorized recycler for further handling & disposal purpose
	<b>Wet waste:</b>	Through Mechanical Composter (Smart OWC)
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	To be used as manure for gardening purpose or will be disposed off as per CPHEEO manual on sewerage
	<b>Others if any:</b>	NA
<b>Area requirement:</b>	<b>Location(s):</b>	Locations are as per master layout
	<b>Area for the storage of waste &amp; other material:</b>	12
	<b>Area for machinery:</b>	36
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	14.75 Lakh
	<b>O &amp; M cost:</b>	2.8 Lakh/annum

### 37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	-	6.0-8.5	6.5-9.0	6.5-9.0
2	Oil & Grease	mg/l	10.00-20.00	<10	<10
3	Biological Oxygen Demand	mg/l	200-250	<10	<10
4	Chemical Oxygen Demand	mg/l	350-450	<50	<50
5	Total Suspended Solid	mg/l	150-200	<10	<10
6	Total Nitrogen	mg/l	40-50	<10	<10
7	Nitrate	mg/l	15-16	<05	<05
8	DissolvePO4	mg/l	13-15	<05	<05
9	Fecal Coliform	MPN/100 ml	10 <sup>6</sup>	Nil	Nil

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

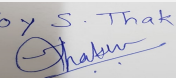
Note on ETP technology to be used Not applicable

Disposal of the ETP sludge Not applicable

### 38. Hazardous Waste Details

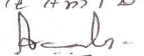
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 39. Stacks emission Details

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Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	125KVA	HSD	2	5	0.152 m	553 °C

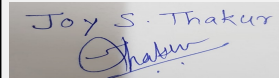
#### 40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total	
1	HSD	Not applicable	125KVA- 30.25 litre/hr @ 100% Loading	125KVA- 30.25 litre/hr @ 100% Loading	
41.Source of Fuel		Authorized Dealer			
42.Mode of Transportation of fuel to site		Barrels in Closed Tempo			

<b>43.Green Belt Development</b>	<b>Total RG area :</b>	1577.294 sq.m
	<b>No of trees to be cut :</b>	0
	<b>Number of trees to be planted :</b>	210
	<b>List of proposed native trees :</b>	Shirish,Neem,Maharukh,Namdruk,Karanj,Sita Ashoka,Katesavar,Bahava,Bakul
	<b>Timeline for completion of plantation :</b>	Till the completion of project


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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Albizia lebbeck	Shirish	3	Medicinal for Skin, Fragrant flowers, To control soil erosion,Bird attracting species (Para kids eat seeds )
2	Azadiracta indica	Neem	5	"Medicinal value, To control soil erosion"
3	Ailanthus excelsa	Maharukh	2	"Large tree, good for roadside plantation"
4	Ficus retusa	Nandruk	2	"Shady tree, good for roadside plantation"
5	Pongamia pinnata	Karanj	3	Shady tree
6	Saraca asoka	Sita Ashok	2	Shady tree with red-yellow flowers
7	Bombax ceiba	Katesavar	3	Large tree, red flowers.
8	Cassia fistula	Bahava	2	"Medium sized deciduous tree, Beautiful yellow flowers, Butterfly host plant"
9	Mimusops elengi	Bakul	2	"Shady tree, small white fragrant flowers"
10	Nyctanthes arbortristis	Parijatak	2	"Small deciduous fast growing tree, beautiful flowrers."
11	Lagerstroemia flosregineae	Tamhan	2	"State flower tree of Maharashtra, Medium sized tree, beautiful purple flowers"
12	Murraya paniculata	Kunti	2	"Small tree, Fragrant white flowers, Butterfly host plant"

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13	Gmelina arborea	Shivan	2	"Fast growing tree with beautiful yellow flowers"
14	Bauhinia racemosa	Apta	2	"Small tree with small white flowers, Butterfly host plant"
15	"Artocarpus heterophyllus"	Jackfruit	4	Fruit bearing tree
16	Mangifera indica	Mango	4	"Evergreen with huge canopy and fruit bearing tree"

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

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

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

**47.Energy**

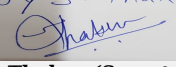
<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	116KVA
	<b>DG set as Power back-up during construction phase</b>	125KVA
	<b>During Operation phase (Connected load):</b>	1646KW
	<b>During Operation phase (Demand load):</b>	930KVA
	<b>Transformer:</b>	(630 KVA X 2 )
	<b>DG set as Power back-up during operation phase:</b>	(125 KVA X 2 )
	<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 using Energy efficient LED fixtures Against Conventional CFL/T8 fixture with Electronic Ballast for Common Area.- 6228.KWH  
 Energy saving using Low Loss Transformer Against Conventional Transformer 3504.00KWH  
 Energy Saving using Solar Water Heater Against Electrical water Heater 29700KWH  
 Energy Saved by Solar PV 4320 KWH  
 Energy Saved by Automatic Timer logic controller for lighting Control Against No timer Control 4818KWH  
 Energy Saved by Using VFD for Lift against conventional drive 20440KWH  
 Total Energy Saving in Project by Energy saving measures 69010KWH


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

Serial Number	Energy Conservation Measures	Saving %
1	Using Conventional CFL & LED	36.07%
2	Using Low Loss Transformer	5.26%

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3	Energy saving solar water heater against electric water heater	75.34%
4	by using solar PV	2.46%
5	Energy Saved by Automatic Timer logic controller for lighting Control Against No timer Control	41.18%
6	Energy Saved by Using VFD for Lift against convensional drive	20.00%
7	Total Energy Saving in proposed building by Energy saving measures	17.22%

### 50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	52 lakh
	O & M cost:	3 lakh/year

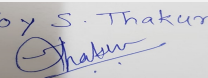
### 51.Environmental Management plan Budgetary Allocation

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

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water For Dust Suppression, Air & Noise Monitoring	1.2
2	Water Environment	"Tanker Water For Construction" Water Monitoring	1.68
3	Land Environment	"Site Sanitation, mobile toilets"	0.55
4	Socio-Economic	"Disinfection- Pest Control, First Aid Facilities, Health Check Up, Personal Protective Equipment	1.22
5	Monitoring Cell	Environmental Monitoring Cell	3.50

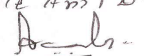
#### b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP	Waste water treatment	40.20	11.20
2	Rain Water Harvesting	6 No of pits	6.9	0.50
3	Solid Waste Management	"Biodegradable waste treatment"	14.75	2.80
4	Landscape	"Green Belt Development "	8.00	0.65
5	Energy	Enegy saving measures	52.00	3.00
6	Environmental Monitoring	"Ambient Air quality, Noise level, Exhaust from DG Set, drinking water, sewage from STP as per EP act,"	"MoEF CC approved laboratory"	1.5

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

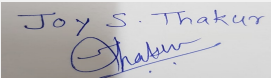
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

## 52.Any Other Information

No Information Available

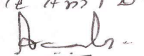
## 53.Traffic Management

	<b>Nos. of the junction to the main road &amp; design of confluence:</b>	Traffic generated from this project will confluent on existing 24m wide road
<b>Parking details:</b>	<b>Number and area of basement:</b>	0
	<b>Number and area of podia:</b>	0
	<b>Total Parking area:</b>	5967.00 sq.m
	<b>Area per car:</b>	12.5 sq.m
	<b>Area per car:</b>	12.5 sq.m
	<b>Number of 2-Wheelers as approved by competent authority:</b>	576
	<b>Number of 4-Wheelers as approved by competent authority:</b>	270
	<b>Public Transport:</b>	Chintamani nagar Bus Stop
	<b>Width of all Internal roads (m):</b>	7.5 m
	<b>CRZ/ RRZ clearance obtain, if any:</b>	NA
	<b>Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries</b>	NA
	<b>Category as per schedule of EIA Notification sheet</b>	8(a)
	<b>Court cases pending if any</b>	NO
	<b>Other Relevant Informations</b>	NA

  
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	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-
Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

### Brief information of the project by SEAC

PP remained **absent**. The proposal was deferred.

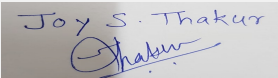
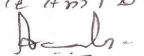
### DECISION OF SEAC

PP remained **absent**. The proposal was deferred.

Specific Conditions by SEAC:

### FINAL RECOMMENDATION

Kindly find SEIAA decision above.

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