

Agenda for 79th Meeting of SEAC-3

SEAC Meeting number: 79 Meeting Date January 7, 2019

Subject: Environment Clearance for Environmental Clearance for Proposed Affordebale Housing Scheme for RAY Nagar Fedration Under PMAY Project For Gat No. 764

Is a Violation Case: No

1.Name of Project	Environmental Clearance for Proposed Affordebale Housing Scheme for RAY Nagar Fedration Under PMAY Project For Gat No. 764
2.Type of institution	Private
3.Name of Project Proponent	Mrs. Nalini Kalburgi, RAY Nagar Fedration, Solapur
4.Name of Consultant	Vke: Environmental LLP
5.Type of project	MHADA
6.New project/expansion in existing project/modernization/diversification in existing project	Not applicable
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	At Kumbhari Solapur
9.Taluka	-
10.Village	Kumbhari
Correspondence Name:	Mrs. Nalini Kalburgi
Room Number:	Gat No. 764
Floor:	-
Building Name:	-
Road/Street Name:	-
Locality:	Solapur
City:	Solapur
11.Area of the project	State Level Nodal Agency, MHADA, Pune
12.IOD/IOA/Concession/Plan Approval Number	Under process IOD/IOA/Concession/Plan Approval Number: Under process Approved Built-up Area: 00
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Under process
15.Total Plot Area (sq. m.)	93200
16.Deductions	15257.23
17.Net Plot area	77942.77
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 46419.75 b) Non FSI area (sq. m.): 12854.53 c) Total BUA area (sq. m.): 59274.28
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): Under process Approved Non FSI area (sq. m.): Under process Date of Approval: 28-11-2018
19.Total ground coverage (m2)	19368.76
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	42.74%
21.Estimated cost of the project	998500000

22.Number of buildings & its configuration

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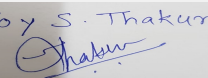
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	46 NOs of Buildings	G+2	9 m
23.Number of tenants and shops	Residential:1656		
24.Number of expected residents / users	Residential Tenents : 6624		
25.Tenant density per hectare	177.68 tenets/ ha		
26.Height of the building(s)			
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	9m & 12m		
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Min 9m		
29.Existing structure (s) if any	NA		
30.Details of the demolition with disposal (If applicable)	NA		

31.Production Details

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

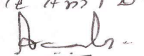
32.Total Water Requirement

Dry season:	Source of water	MJP
	Fresh water (CMD):	596
	Recycled water - Flushing (CMD):	298
	Recycled water - Gardening (CMD):	51
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	945
	Fire fighting - Underground water tank(CMD):	NA
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	375

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Wet season:	Source of water	MJP
	Fresh water (CMD):	596
	Recycled water - Flushing (CMD):	298
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	894
	Fire fighting - Underground water tank(CMD):	NA
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	426

Details of Swimming pool (If any)

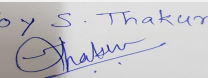
NA

33.Details of Total water consumed

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

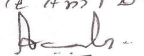
34.Rain Water Harvesting (RWH)

Level of the Ground water table:	Pre monsoon depth of water level in the area - 9 to 13m, Post monsoon depth of water level in the area - 6 to 11
Size and no of RWH tank(s) and Quantity:	Size of water storage tank- diameter 78.7 inch height- 76.3 inch. Number of RWH tanks - 46 Quantity-2,30,000 litres.
Location of the RWH tank(s):	NA
Quantity of recharge pits:	20
Size of recharge pits :	2mX 2m X 3m with 30m depth Bore well
Budgetary allocation (Capital cost) :	1932000
Budgetary allocation (O & M cost) :	150000
Details of UGT tanks if any :	230KLD

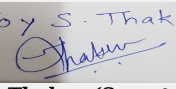
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35.Storm water drainage	Natural water drainage pattern:	Natural water drainage pattern: The storm water drainage will be designed according to contours. The storm water collected through the storm water drains of adequate capacity will be led to recharge pits
	Quantity of storm water:	187 Cum/min
	Size of SWD:	650 mm
Sewage and Waste water	Sewage generation in KLD:	805
	STP technology:	MBBR
	Capacity of STP (CMD):	1 NO.- 810 KLD
	Location & area of the STP:	On ground
	Budgetary allocation (Capital cost):	38500000
	Budgetary allocation (O & M cost):	7500000
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Dry waste (Kg/day): 8 kg/day -Wet waste (Kg/day): 12 kg/day -Total waste generated: 20 Kg/day
	Disposal of the construction waste debris:	The Construction waste generated during construction shall be segregated, reused on site and surplus shall be led to authorized dealers for recycling.
Waste generation in the operation Phase:	Dry waste:	1325 kg/day
	Wet waste:	1987 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	75 kg/day
	Others if any:	E waste: 9 kg/day
Mode of Disposal of waste:	Dry waste:	Will be handed over to authorized vendor
	Wet waste:	Will be treated in owc
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Dried sludge will use as manure
	Others if any:	E waste will be handed over to authorized vendor
Area requirement:	Location(s):	On ground
	Area for the storage of waste & other material:	Total area of OWC 150 sq.m
	Area for machinery:	Total area of OWC 150 sq.m
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	4275000
	O & M cost:	1050000
37.Effluent Charecterestics		

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

41.Source of Fuel

Not applicable

42.Mode of Transportation of fuel to site

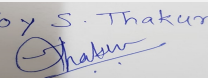
Not applicable

43.Green Belt Development

Total RG area :	7797.27 sqm
No of trees to be cut :	0
Number of trees to be planted :	986
List of proposed native trees :	Referred below
Timeline for completion of plantation :	Till the end of construction phase

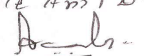
44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Syzigium cumini	Jambhul Tree	54	A large size tree with dense foliage provides shade along roads, wood is water resistant and attracts a variety of birds.

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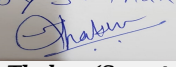
2	Milingtonia Hortensis	Indian Cork Tre	52	A columner, evergreen tree, grows well in both dry and moist regions.
3	Lagerstromia Flos-regineae	Tambhan	50	State flower tree of maharashtra , Medium sized tree, beautiful purple flowers,grows well in both dry and humid climate.
4	Pongamia Pinata	Karanj	60	Large tree good for stoping soil erosion along canal banks.
5	Azadiracta Indica	Neem	100	A medium to large size hardy tree which stand in draught conditions. Air purifying quality . Attain a much larger size in dry regions.A medium to large size hardy tree which stand in draught conditions. Air purifying quality . Attain a much larger size in dry regions.
6	Cassia Fistula	Bahava	62	Small deciduous tree. Excellent bright flowering tree for arid regions.
7	Ficus Benjamina	Weeping fig	52	Medium sized evergreen tree with elegant appearance and moderate water requirement
8	Plumeria alba	Champa	46	Ornamental Flowering tree
9	Michelia Champaca	Sonchafa	30	Medium sized evergreen treen , fragrant yellow flowers,butterfly host plant
10	Polyathia Longifolia	Ashoka	43	Large evergreen tree effective in decreasing noise pollutio.
11	Mangifera Indica	Mango	72	Large evergreen and fruit bearing tree.
12	Albizia lebeck	Shirish	62	Shady, large tree, ball shaped flowers
13	Butea monosperma	palas	45	Small delicious. Good For roadside plantation
14	Psidium guajava	Peru	53	Small hardy and bird attracting tree.
15	Jacaranda mimosifolia	jacaranda	38	Medium size gracious, flowering tree which prefers moderate climate
16	Khaya Senghalis	Khaya	67	Large roadside tree with while sweet scented flowers
17	Spathodia campanulata	Pichkari	40	A handsome large deciduous flowering tree. Good for road side plantation
18	Bauhinia purpurea	Rekta kanchan	60	Small hardy tree with beautiful pink flowers

45.Total quantity of plants on ground

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


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

47.Energy

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Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	11.08 kw
	DG set as Power back-up during construction phase	39.23 KVA
	During Operation phase (Connected load):	3803 kw
	During Operation phase (Demand load):	2956 KW
	Transformer:	630 KVA - 4 NOS
	DG set as Power back-up during operation phase:	200 KVa- 1 no
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48. Energy saving by non-conventional method:

Energy savings(Solar water heating system + Solar PV panels + LED light fittings) units per year.(For renewable/solar)=(22%)

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	LED Lamp & Fitting For Common Areas i.e. Bldg. Parking, Staircase, Passage & Terrace Floor	13.39
2	Solar Street Light Fitting - Pole Light On Road Side	84
3	Solar PV cell	176.92
4	Energy Saving by Solar Hot Water System.	6355.87

50. Details of pollution control Systems

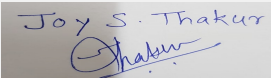
Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	22356000
	O & M cost:	2235600

51. Environmental Management plan Budgetary Allocation

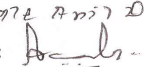
a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Erosion control - dust suppression measures, barricading and top soil preservation	9228905


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2	Land	Labour Camp toilets & sanitation	480000
3	Health and Safety	Labour Safety Equipments and training	400000
4	facility	Disinfection and Health Check-ups	45000
5	Environment Management	Environmental Monitoring cell	1,70,000
6	Environmen	Environmental Monitoring	1,82,500

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	1 STP	38500000	7500000
2	Solid Waste Managemen	1 OWC	4275000	1050000
3	Landscaping	Development & maintenance of green area	20,21,750	22175
4	Rain Water Harvesting	20 Recharge pits & TANK	1932000	150000
5	Environmental Monitoring	-	-	1,85,600

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

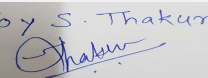
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

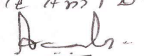
53.Traffic Management

Nos. of the junction to the main road & design of confluence:	The site is located in Solapur Area. The development will be accessible from 12m wide service road while the internal driveways are 9 m
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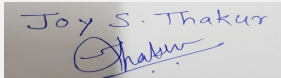
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Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	5589 Sqm
	Area per car:	NA
	Area per car:	NA
	Number of 2-Wheelers as approved by competent authority:	2070 Nos
	Number of 4-Wheelers as approved by competent authority:	NA
	Public Transport:	NA
	Width of all Internal roads (m):	9.0m wide internal road is provided and 12 m. Turning radius will be provided.
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8a building and construction project
	Court cases pending if any	NO
	Other Relevant Informations	The project area is in a residential zone. Proposed project consists of residential building having 1656 flats
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

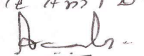
SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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


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

Brief information of the project by SEAC

SEAC-AGENDA-00000000190

PP submitted their application for prior environmental clearance for total plot area of 93200 m². FSI area of 46419.75 m², Non FSI area of 12854.53 m² and Total BUA of 59274.28 m²

PP Proposes to construct total 46 Buildings

The Committee noted the Minutes of 2nd meeting of State Level Sanctioning and Monitoring Committee (SLSMC) for Housing For All Mission of Pradhan Mantri Awas Yojana held on 16th March, 2016, issued by State Mission Directorate, Maharashtra vide letter no. SLSMC/PMAY/F.No.04/38/2016 dt. 28.03.2016. The Committee noted that the infrastructure connectivity such as water supply, road, drainage and electricity will be done through other Government schemes such as AMRUT.

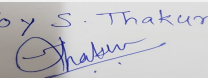
The Committee further noted the letter addresses from Government of Maharashtra to Ministry of Housing and Urban Affairs (HFA-II), GoI, mentioning that the State Government will extend its full support for the related all infrastructure like water supply, roads, drainage, storm water drainage, electricification and social amenities through various schemes.

The Committee noted the Office Memorandum issued by Ministry of Housing and Urban Affairs (HFA-II) vide F.No,-11011/1256/2017-HFA-II(C-3026891) dt. 3rd August, 2017 wherein final approval for Central Assistance was accorded for the aforesaid AHP project at Solapur for construction of 30000 EWS houses under PMAY (U) proposes by Government of Maharashtra.

The case was discussed on the basis of of the documents submitted and presentations made by the proponent. All Issues relating to Environment, including Air, Water, land , Soil, ecology and Biodiversity and social aspects were examined.

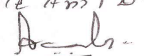
The proposal is appraised as category 8(a) B2.

DECISION OF SEAC

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During discussion following points emerged:

1. During deliberation the PP claimed that since this scheme is for EWS housing, the proposal may be exempted from undertaking additional CER activities. PP to justify the same.
2. PP to provide adequate socio-economic infrastructure like Pre-primary & Primary School, Hospital etc.
3. PP to submit / upload undertaking regarding tree cutting / transplantation.
4. PP to submit undertaking that no occupancy will be given till sustainable water supply and adequate environmental infrastructure like sewerage line, storm water drain etc are in place.

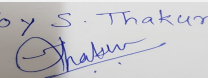
*SEAC decided to **recommend** the proposal for prior environmental Clearance, subject to PP complying with the above conditions.*

Specific Conditions by SEAC:

- 1) During deliberation the PP claimed that since this scheme is for EWS housing, the proposal may be exempted from undertaking additional CER activities. PP to justify the same.
- 2) PP to provide adequate socio-economic infrastructure like Pre-primary & Primary School, Hospital etc.
- 3) PP to submit / upload undertaking regarding tree cutting / transplantation.
- 4) PP to submit undertaking that no occupancy will be given till sustainable water supply and adequate environmental infrastructure like sewerage line, storm water drain etc are in place.

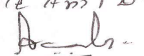
FINAL RECOMMENDATION

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

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Agenda for 79th Meeting of SEAC-3

SEAC Meeting number: 79 Meeting Date January 7, 2019

Subject: Environment Clearance for Proposed Affordable Housing Scheme for RAY Nagar Housing Co-Operative Societies Federation Ltd Under PMAY Project For Gat No. 707, At Post- Kumbhari, South Solapur, Solapur.

Is a Violation Case: No

1.Name of Project	Proposed Affordable Housing Scheme for RAY Nagar Housing Co-Operative Societies Federation Ltd Under PMAY Project For Gat No. 707, At Post- Kumbhari, South Solapur, Solapur.
2.Type of institution	Private
3.Name of Project Proponent	Mrs. Nalini Kalburgi
4.Name of Consultant	Vke: environmental LLP
5.Type of project	MHADA PMAY Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Gat No. 707, At Kumbhari, South Solapur
9.Taluka	South Solapur
10.Village	Kumbhari
Correspondence Name:	Mrs. Nalini Kalburgi
Room Number:	-
Floor:	-
Building Name:	-
Road/Street Name:	Kumbhari to Doddi Road
Locality:	Kumbhari
City:	South Solapur
11.Area of the project	State Level Nodal Agency, MHADA, Pune
12.IOD/IOA/Concession/Plan Approval Number	Under Process
	IOD/IOA/Concession/Plan Approval Number: 00
	Approved Built-up Area: 00
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	48900.00
16.Deductions	00
17.Net Plot area	48900.00
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 31282.88
	b) Non FSI area (sq. m.): 8767.705
	c) Total BUA area (sq. m.): 40050.58
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): NA
	Approved Non FSI area (sq. m.): NA
	Date of Approval: 03-12-2018
19.Total ground coverage (m2)	13052.86
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	48.02 % on net plot area
21.Estimated cost of the project	673800000

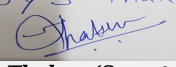
22.Number of buildings & its configuration

 Joy S.Thakur (Secretary SEAC-III)	SEAC Meeting No: 79 Meeting Date: January 7, 2019	Page 13 of 73	Name: K. Anil Kale  Shri. Anil Kale (Chairman SEAC-III)
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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)	
1	Building No. 1 - 31	G+2	9.00	
23.Number of tenants and shops	Total 31 Buildings with 1116 tenements			
24.Number of expected residents / users	4464			
25.Tenant density per hectare	228.22/ha			
26.Height of the building(s)				
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	12 m wide road from the nearest fire station			
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	Labour Shed			
30.Details of the demolition with disposal (If applicable)	NA			
31.Production Details				
Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable
32.Total Water Requirement				


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Dry season:	Source of water	Resources available from Well located around 4 Km from site also artificial pond having 4 lakh litre capacity is have been built for storage								
	Fresh water (CMD):	402								
	Recycled water - Flushing (CMD):	201								
	Recycled water - Gardening (CMD):	35								
	Swimming pool make up (Cum):	00								
	Total Water Requirement (CMD) :	638								
	Fire fighting - Underground water tank(CMD):	NA								
	Fire fighting - Overhead water tank(CMD):	NA								
	Excess treated water	252								
Wet season:	Source of water	Resources available from Well located around 4 Km from site also artificial pond having 4 lakh litre capacity is have been built for storage								
	Fresh water (CMD):	402								
	Recycled water - Flushing (CMD):	201								
	Recycled water - Gardening (CMD):	00								
	Swimming pool make up (Cum):	00								
	Total Water Requirement (CMD) :	603								
	Fire fighting - Underground water tank(CMD):	NA								
	Fire fighting - Overhead water tank(CMD):	NA								
	Excess treated water	287								
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	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	

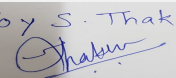
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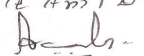
Name: K. Anil Kale

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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	Pre-monsoon depth of water level in the area - 8 to 12m , Post monsoon depth of water level in the area - 5 to 10m
	Size and no of RWH tank(s) and Quantity:	Size of water storage tank- diameter 78.7-inch height- 76.3 inch. Number of RWH tanks - 31 Quantity-1,55,000 liters.
	Location of the RWH tank(s):	As shown in Layout plan
	Quantity of recharge pits:	14 Nos.
	Size of recharge pits :	2.0 m x 2.0 m x 3.0 m with 30 m depth borewell
	Budgetary allocation (Capital cost) :	8,20,000/-
	Budgetary allocation (O & M cost) :	1,00,000/-
	Details of UGT tanks if any :	603 CMD for Domestic Water Tank 302 CMD for Reclaimed Water tank near STP
35.Storm water drainage	Natural water drainage pattern:	As per contour
	Quantity of storm water:	12 Cum/min
	Size of SWD:	450 mm dia.
Sewage and Waste water	Sewage generation in KLD:	542 cum
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	1 no. of 550 cum
	Location & area of the STP:	On Ground, Area of STP : 270 sq.m
	Budgetary allocation (Capital cost):	1,20,00,000/-
	Budgetary allocation (O & M cost):	13,70,000/- per year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Total waste generated: 20 kg/day Dry waste (Kg/day): 8 kg/day Wet waste (Kg/day): 12 kg/day
	Disposal of the construction waste debris:	The Construction waste generated during construction shall be segregated, reused on site and surplus shall be led to authorized dealers for recycling
Waste generation in the operation Phase:	Dry waste:	893
	Wet waste:	1339
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	55 kg/day
	Others if any:	E-Waste : 2232 kg/year

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Mode of Disposal of waste:	Dry waste:	Will be handed over to Authorized Vendor
	Wet waste:	Will be treating by OWC
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Dried sludge will use as manure
	Others if any:	NA
Area requirement:	Location(s):	On Ground
	Area for the storage of waste & other material:	18 sq.m
	Area for machinery:	102 sq.m
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	32,75,000/-
	O & M cost:	7,66,000/- per 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

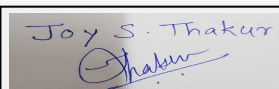
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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

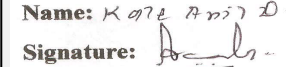
40. Details of Fuel to be used

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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43.Green Belt Development	Total RG area :	5022.00
	No of trees to be cut :	NA
	Number of trees to be planted :	618
	List of proposed native trees :	Referred below
	Timeline for completion of plantation :	Till the end of construction phase

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Syzygium cumini	Jambhul Tree	06	A large size tree with dense foliage provides shade along roads, wood is water resistant and attracts a variety of birds
2	Millingtonia hortensis	Indian Cork Tree	106	A columnar, evergreen tree, grows well in both dry and moist region
3	Lagerstromia flos-regineae	Tamhan	59	State flower tree of Maharashtra, Medium sized tree, Beautiful purple flowers, grows well in both dry and humid climate
4	Pongamia pinnata	Karanj	29	Large tree good for stopping soil erosion along canal banks.
5	Azadirachta indica	Neem	17	A medium to large size hardy tree which stand in drought conditions. Air purifying quality, Attain a much larger size in dry regions
6	Cassia fistula	Bahava	56	Small deciduous tree. Excellent bright flowering tree for arid regions.
7	Ficus benjamina	Weeping Fig	96	Medium sized evergreen tree with elegant appearance and moderate water requirement
8	Plumeria alba	Champa	31	Ornamental flowering tree
9	Michelia champaca	Sonchapha	56	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
10	Polyalthia longifolia	Ashoka	90	Large evergreen tree and fruit bearing tree
11	Mangifera indica	Mango	31	Large evergreen and Fruit bearing tree
12	Albizia lebeck	Shirish	41	Shady, large tree, ball shaped flowers

45.Total quantity of plants on ground

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

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

47.Energy

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Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	11 kW
	DG set as Power back-up during construction phase	1 no. of 30 KvA
	During Operation phase (Connected load):	2572.80 kW
	During Operation phase (Demand load):	2003 KvA
	Transformer:	3 Nos. of 630 KvA
	DG set as Power back-up during operation phase:	1 no. of 140 KvA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48. Energy saving by non-conventional method:

Energy savings(Solar water heating system + Solar PV panels + LED light fittings) units per year.(For renewable/solar) = 21%

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	1. Timers and contractors will be used to switch on / off common are & external landscape and facade lighting. 2. Light Emitting Diode (LED) will be used for corridors ,Lobbies and common areas. 3. All fluorescent light fixtures are specified to incorporate electronic chokes which have less watt-loss compared to electro-magnetic chokes and result in superior operating power factor. This indirectly saves energy. Electronic chokes also improve life of the fluorescent lamps. 4. Energy efficient cf	21%

50. Details of pollution control Systems

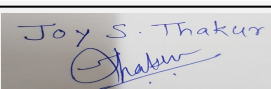
Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	2,11,40,100/-
	O & M cost:	19,98,630/-

51. Environmental Management plan Budgetary Allocation

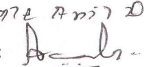
a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
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1	Air Environment	Erosion control - dust suppression measures, barricading and top soil preservation	44,80,900.00
2	Land	Labour Camp toilets & sanitation	4,80,000.00
3	Health and Safety	Labour Safety Equipment and training	4,00,000.00
4	Facility	Disinfection and Health Check-ups	45,000.00
5	Environment Management	Environment Management Cell	1,75,000.00
6	Environment Management	Environmental Monitoring Plan	1,85,600.00

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	1 STP of MBBR Technology	120.00	13.70
2	Solid Waste Management	OWC	32.75	7.66
3	Landscaping	Development & maintenance of green area	13.82	1.38
4	Rain Water Harvesting	14 nos. of Recharge pits	8.20	1.00
5	Renewable Energy	Energy Saving	211.40	19.99
6	Environmental Monitoring	-	-	1.82

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

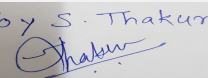
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

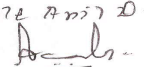
53.Traffic Management

Nos. of the junction to the main road & design of confluence:	2 nos.
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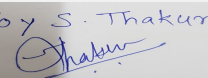
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 Shri. Anil Kale (Chairman SEAC-III)

Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	3766.50 sq.m
	Area per car:	NA
	Area per car:	NA
	Number of 2-Wheelers as approved by competent authority:	1395 Nos.
	Number of 4-Wheelers as approved by competent authority:	NA
	Public Transport:	NA
	Width of all Internal roads (m):	12 m and 9 m wide internal road is provided and 9.0 m turning radius will be provided
CRZ/ RRZ clearance obtain, if any:	NA	
Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA	
Category as per schedule of EIA Notification sheet	8a building and construction project	
Court cases pending if any	NA	
Other Relevant Informations	The project area is in PMAY project. Proposed project consists of 31 residential building having 1116 tenements.	
Have you previously submitted Application online on MOEF Website.	No	
Date of online submission	-	

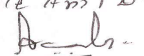
SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

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

Brief information of the project by SEAC

SEAC-AGENDA-00000000190

PP submitted their application for prior environmental clearance for total plot area of 48900 m². FSI area of 31282.88 m², Non FSI area of 8767.70 m² and Total BUA of 40050.58 m²

PP Proposes to construct total 31 Buildings.

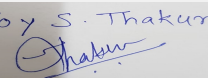
The Committee noted the Minutes of 2nd meeting of State Level Sanctioning and Monitoring Committee (SLSMC) for Housing For All Mission of Pradhan Mantri Awas Yojana held on 16th March, 2016, issued by State Mission Directorate, Maharashtra vide letter no. SLSMC/PMAY/F.No.04/38/2016 dt. 28.03.2016. The Committee noted that the infrastructure connectivity such as water supply, road, drainage and electricity will be done through other Government schemes such as AMRUT.

The Committee further noted the letter addresses from Government of Maharashtra to Ministry of Housing and Urban Affairs (HFA-II), GoI, mentioning that the State Government will extend its full support for the related all infrastructure like water supply, roads, drainage, storm water drainage, electricification and social amenities through various schemes.

The Committee noted the Office Memorandum issued by Ministry of Housing and Urban Affairs (HFA-II) vide F.No,-11011/1256/2017-HFA-II(C-3026891) dt. 3rd August, 2017 wherein final approval for Central Assistance was accorded for the aforesaid AHP project at Solapur for construction of 30000 EWS houses under PMAY (U) proposes by Government of Maharashtra.

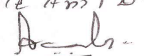
The case was discussed on the basis of the documents submitted and presentations made by the proponent. All Issues relating to Environment, including Air, Water, land , Soil, ecology and Biodiversity and social aspects were examined. The proposal is appraised as category 8(a) B2.

DECISION OF SEAC

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During discussion following points emerged:

1. During deliberation the PP claimed that since this scheme is for EWS housing, the proposal may be exempted from undertaking additional CER activities. PP to justify the same.
2. PP to provide adequate socio-economic infrastructure like Pre-primary & Primary School, Hospital etc.
3. PP to ensure adequate fire tender movement near building no. A-5.
4. PP to submit undertaking that no occupancy will be given till sustainable water supply and adequate environmental infrastructure like sewerage line, storm water drain etc. are in place.
5. PP to submit undertaking regarding availability of approach road.
6. PP to submit NOC from adjoining plot for sewer line.

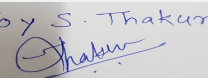
*SEAC decided to **recommend** the proposal for prior environmental Clearance, subject to PP complying with the above conditions.*

Specific Conditions by SEAC:

- 1) 1. During deliberation the PP claimed that since this scheme is for EWS housing, the proposal may be exempted from undertaking additional CER activities. PP to justify the same.
- 2) 2. PP to provide adequate socio-economic infrastructure like Pre-primary & Primary School, Hospital etc.
- 3) 3. PP to ensure adequate fire tender movement near building no. A-5.
- 4) 4. PP to submit undertaking that no occupancy will be given till sustainable water supply and adequate environmental infrastructure like sewerage line, storm water drain etc. are in place.
- 5) PP to submit undertaking regarding availability of approach road.
- 6) PP to submit NOC from adjoining plot for sewer line.

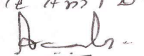
FINAL RECOMMENDATION

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)

Agenda for 79th Meeting of SEAC-3

SEAC Meeting number: 79 Meeting Date January 7, 2019

Subject: Environment Clearance for Proposed Affordebale Housing Scheme for RAY Nagar Fedration Under PMAY Project For Gat No. 697

Is a Violation Case: No

1.Name of Project	Environmental clearance for Proposed Affordebale Housing Scheme for RAY Nagar Fedration Under PMAY Project For Gat No. 697
2.Type of institution	Private
3.Name of Project Proponent	Nalini Kalburgi
4.Name of Consultant	Vke: environmental LLP
5.Type of project	MHADA
6.New project/expansion in existing project/modernization/diversification in existing project	Not applicable
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Gat No.697, At Kumbhari Solapur
9.Taluka	Solapur
10.Village	Kumbhari
Correspondence Name:	Nalini Kalburgi
Room Number:	Gat No. 697
Floor:	-
Building Name:	-
Road/Street Name:	Kunbhari to Mul goan road
Locality:	South Solapur
City:	Solapur
11.Area of the project	State Nodal Agency, MHADA, Pune
12.IOD/IOA/Concession/Plan Approval Number	Under Process IOD/IOA/Concession/Plan Approval Number: Under Process Approved Built-up Area:
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	44500
16.Deductions	4974.76
17.Net Plot area	39525.24
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 25228.13 b) Non FSI area (sq. m.): 7101.37 c) Total BUA area (sq. m.): 32329.5
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): Under Process Approved Non FSI area (sq. m.): Under Process Date of Approval: 03-12-2018
19.Total ground coverage (m2)	10526.5
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	45.89%
21.Estimated cost of the project	543400000

22.Number of buildings & its configuration

 Joy S.Thakur (Secretary SEAC-III)	SEAC Meeting No: 79 Meeting Date: January 7, 2019	Page 25 of 73	Name: K. Anil Kale Signature:  Shri. Anil Kale (Chairman SEAC-III)
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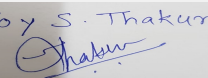
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building No. 1 to 25	G+2	9m
23.Number of tenants and shops	Residential:900 nos		
24.Number of expected residents / users	Residential Tenents : 3600		
25.Tenant density per hectare	203 tenets/ ha		
26.Height of the building(s)			
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	12m & 9m		
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Min 9m		
29.Existing structure (s) if any	NA		
30.Details of the demolition with disposal (If applicable)	NA		

31.Production Details

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

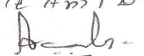
32.Total Water Requirement

Dry season:	Source of water	MJP
	Fresh water (CMD):	324
	Recycled water - Flushing (CMD):	162
	Recycled water - Gardening (CMD):	25
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	511
	Fire fighting - Underground water tank(CMD):	NA
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	202

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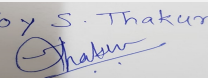
Name: K. Anil Kale

 Shri. Anil Kale (Chairman SEAC-III)

Wet season:	Source of water	MJP
	Fresh water (CMD):	324
	Recycled water - Flushing (CMD):	162
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	486
	Fire fighting - Underground water tank(CMD):	NA
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	226
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

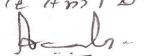
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

34.Rain Water Harvesting (RWH)	Level of the Ground water table:	Pre monsoon - 8 to 12m Post monsoon - 5 to 10m
	Size and no of RWH tank(s) and Quantity:	Size of water storage tank- diameter 78.7 inch height- 76.3 inch. Number of RWH tanks - 25 Quantity-1,25,000 liters.
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	11
	Size of recharge pits :	2mX 2m X 3m with 30m depth Borewell
	Budgetary allocation (Capital cost) :	660000
	Budgetary allocation (O & M cost) :	100000
	Details of UGT tanks if any :	Domestic Tank- 486 kld Reclaimed Water tank-243 kld

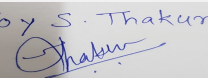
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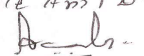
Name: K. Anil Kale

 Shri. Anil Kale (Chairman SEAC-III)

35.Storm water drainage	Natural water drainage pattern:	Natural water drainage pattern: The storm water drainage will be designed according to contours. The storm water collected through the storm water drains of adequate capacity will be led to recharge pits
	Quantity of storm water:	9.88 Cum/min
	Size of SWD:	450 mm
Sewage and Waste water	Sewage generation in KLD:	437 kld
	STP technology:	MBBR
	Capacity of STP (CMD):	440 kld
	Location & area of the STP:	On ground
	Budgetary allocation (Capital cost):	11440000
	Budgetary allocation (O & M cost):	1308000
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Dry waste (Kg/day): 8 kg/day Wet waste (Kg/day): 12 kg/day =Total waste generated: 20 kg/day
	Disposal of the construction waste debris:	The Construction waste generated during construction shall be segregated, reused on site and surplus shall be led to authorized dealers for recycling.
Waste generation in the operation Phase:	Dry waste:	720 kg/day
	Wet waste:	1080 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	55 kg/ day
	Others if any:	E waste: 6 kg/day
Mode of Disposal of waste:	Dry waste:	Will be handed over to Authorized vendor
	Wet waste:	Will be treated in owc
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Dried sludge will use as manure
	Others if any:	Will be handed over to Authorized vendor
Area requirement:	Location(s):	On ground
	Area for the storage of waste & other material:	24.5 sq.m
	Area for machinery:	90 sq.m
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	2975000
	O & M cost:	709000
37.Effluent Charecterestics		

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

41.Source of Fuel

Not applicable

42.Mode of Transportation of fuel to site

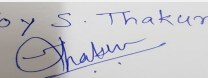
Not applicable

43.Green Belt Development

Total RG area :	4184.84 sq.m
No of trees to be cut :	0
Number of trees to be planted :	495
List of proposed native trees :	As referred below
Timeline for completion of plantation :	Till the end of construction phase

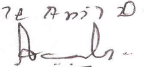
44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Syzigium cummini	Jambhul Tree	30	A large size tree with dense foliage provides shade along roads, wood is water resistant and attracts a variety of birds.

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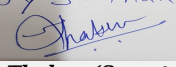
2	Millingtonia hortensis	Indian cork tree	25	A columnar, evergreen tree, grows well in both dry and moist regions
3	Lagerstromia flos-reginea	Tamhan	25	State flower tree of Maharashtra medium sized tree, beautiful purple flowers, grows well in both dry and humid climate.
4	Pongamia pinnata	Karanj	40	Large tree good for stopping soil erosion along canal banks
5	Azardirachta indica	Neem	60	A medium to large size hardy tree which stand in drought conditions, Air purifying quality Attain a much large size dry regions
6	Cassia fistula	Bahava	25	Small deciduous tree. Excellent bright flowering tree for arid regions.
7	Ficus benjamina	Weeping fig	35	Medium sized evergreen tree with elegant appearance and moderate water requirement.
8	Plumeria alba	Champa	16	Ornamental flowering tree
9	Michelia champaca	Sonchapha	20	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
10	Polyathia longifolia	Ashoka	25	Large evergreen tree. Effective in decreasing noise pollution
11	Mangifera indica	mango	42	Large evergreen and fruit bearing tree
12	Albizia lebeck	Shirish	25	Shady, large tree, ball shaped flowers
13	Butea monosperm	palas	25	Small Deciduous. Good for roadside
14	Psidium guajava	Peru	25	Small Hardy and birds attracting tree
15	Jacaranda Mimosifolia	jacaranda	15	Medium size gracious deciduous, flowering tree which prefers moderate climate
16	Khaya senghalis	khaya	25	Large roadside tree with white sweet
17	Spathodia campanulata	Pichkari	15	A handsome large deciduous tree
18	Bauhinia purpurea	Rakta Kanchan	25	Small handy tree with beautiful pink flowers

45.Total quantity of plants on ground

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


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

47.Energy

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Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	11.08 kw
	DG set as Power back-up during construction phase	1 no- 30 KVA
	During Operation phase (Connected load):	2081 KW
	During Operation phase (Demand load):	1622 KW
	Transformer:	630 KVA -2 NOS 315 KVA -1 No.
	DG set as Power back-up during operation phase:	125 KVA- 1 No.
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48. Energy saving by non-conventional method:

Energy savings(Solar water heating system + Solar PV panels + LED light fittings) units per year. (For renewable/solar)=(21%)

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	LED Lamp & Fitting For Common Areas i.e. Bldg. Parking, Staircase, Passage & Terrace Floor	0.432 Kwh/day
2	Solar Street Light Fitting - Pole Light On Road Side.	46.2 Kwh/day
3	Energy Saving due to Solar PV cell	76.92 Kwh/day
4	Energy Saving by Solar Hot Water System.	4317.84 Kwh/day

50. Details of pollution control Systems

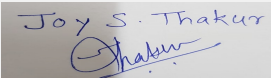
Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	14457000
	O & M cost:	1330000

51. Environmental Management plan Budgetary Allocation

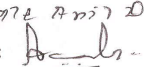
a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Erosion control - dust suppression measures, barricading and top soil preservation	4246687.5


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2	Land	Labour Camp toilets & sanitation	480000
3	Health and Safety	Labour Safety Equipments and training	400000
4	facility	Disinfection and Health Check-ups	51000
5	Environment Management	Environmental Monitoring cell	170000
6	Environment	Environmental Monitoring	182500

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	1 STP	11440000	1308000
2	Solid Waste Management	1 OWC	2975000	709000
3	Landscaping	Development & maintenance of green area	10,40,850	1,04,085
4	Rain Water Harvesting	11 Recharge pits & Tank	660000	100000
5	Renewable Energy	Solar Hot water	14457000	1330000
6	Environmental Monitoring	-	-	185600

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

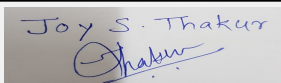
53.Traffic Management

Nos. of the junction to the main road & design of confluence:	2 NOs
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Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	3037.5 Sqm
	Area per car:	NA
	Area per car:	NA
	Number of 2-Wheelers as approved by competent authority:	1125 Nos
	Number of 4-Wheelers as approved by competent authority:	-
	Public Transport:	Nil
	Width of all Internal roads (m):	9.0m wide internal road is provided.
CRZ/ RRZ clearance obtain, if any:	NA	
Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA	
Category as per schedule of EIA Notification sheet	8a building and construction project	
Court cases pending if any	NO	
Other Relevant Informations	The project area is in a residential zone. Proposed project consists of residential building having 900 flats.	
Have you previously submitted Application online on MOEF Website.	No	
Date of online submission	-	

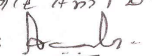
SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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


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Air Quality & Noise Level issues	Satisfactory.
Energy Management	Satisfactory.
Traffic circulation system and risk assessment	Satisfactory.
Landscape Plan	Satisfactory.
Disaster management system and risk assessment	Satisfactory.
Socioeconomic impact assessment	Satisfactory.
Environmental Management Plan	Satisfactory.
Any other issues related to environmental sustainability	Satisfactory.
Brief information of the project by SEAC	

SEAC-AGENDA-00000000190

PP submitted their application for prior environmental clearance for total plot area of 44500 m2. FSI area of 25228.13 m2, Non FSI area of 7101.37 m2 and Total BUA of 32329.5 m2

PP Proposes to construct total 25 Buildings

The Committee noted the Minutes of 2nd meeting of State Level Sanctioning and Monitoring Committee (SLSMC) for Housing For All Mission of Pradhan Mantri Awas Yojana held on 16th March, 2016, issued by State Mission Directorate, Maharashtra vide letter no. SLSMC/PMAY/F.No.04/38/2016 dt. 28.03.2016. The Committee noted that the infrastructure connectivity such as water supply, road, drainage and electricity will be done through other Government schemes such as AMRUT.

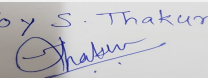
The Committee further noted the letter addresses from Government of Maharashtra to Ministry of Housing and Urban Affairs (HFA-II), GoI, mentioning that the State Government will extend its full support for the related all infrastructure like water supply, roads, drainage, storm water drainage, electricification and social amenities through various schemes.

The Committee noted the Office Memorandum issued by Ministry of Housing and Urban Affairs (HFA-II) vide F.No,-11011/1256/2017-HFA-II(C-3026891) dt. 3rd August, 2017 wherein final approval for Central Assistance was accorded for the aforesaid AHP project at Solapur for construction of 30000 EWS houses under PMAY (U) proposes by Government of Maharashtra.

The case was discussed on the basis of the documents submitted and presentations made by the proponent. All Issues relating to Environment, including Air, Water, land , Soil, ecology and Biodiversity and social aspects were examined.

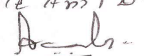
The proposal is appraised as category 8(a) B2.

DECISION OF SEAC

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SEAC-III)

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During discussion following points emerged:

1. During deliberation the PP claimed that since this scheme is for EWS housing, the proposal may be exempted from undertaking additional CER activities. PP to justify the same.
2. PP to provide adequate socio-economic infrastructure like Pre-primary & Primary School, Hospital etc.
3. PP to submit / upload undertaking regarding tree cutting / transplantation.
4. PP to submit undertaking that no occupancy will be given till sustainable water supply and adequate environmental infrastructure like sewerage line, storm water drain etc are in place.

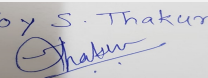
*SEAC decided to **recommend** the proposal for prior environmental Clearance, subject to PP complying with the above conditions.*

Specific Conditions by SEAC:

- 1) 1. During deliberation the PP claimed that since this scheme is for EWS housing, the proposal may be exempted from undertaking additional CER activities. PP to justify the same.
- 2) 2. PP to provide adequate socio-economic infrastructure like Pre-primary & Primary School, Hospital etc.
- 3) 3. PP to submit / upload undertaking regarding tree cutting / transplantation.
- 4) 4. PP to submit undertaking that no occupancy will be given till sustainable water supply and adequate environmental infrastructure like sewerage line, storm water drain etc are in place.

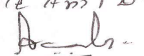
FINAL RECOMMENDATION

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

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Joy S.Thakur (Secretary
SEAC-III)

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Agenda for 79th Meeting of SEAC-3

SEAC Meeting number: 79 Meeting Date January 7, 2019

Subject: Environment Clearance for Proposed Affordable Housing Scheme for RAY Nagar Housing Co-Operative Societies Federation Ltd Under PMAY Project For Gat No. 728, At Post- Kumbhari, South Solapur, Solapur.

Is a Violation Case: No

1.Name of Project	Proposed Affordable Housing Scheme for RAY Nagar Housing Co-Operative Societies Federation Ltd Under PMAY Project For Gat No. 728, At Post- Kumbhari, South Solapur, Solapur.
2.Type of institution	Private
3.Name of Project Proponent	Mrs. Nalini Kalburgi, RAY Nagar Federation, South Solapur
4.Name of Consultant	Vke: environmental LLP
5.Type of project	MHADA, Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	Not applicable
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	At Kumbhari Solapur
9.Taluka	South Solapur
10.Village	Kumbhari
Correspondence Name:	Mrs. Nalini Kalburgi
Room Number:	Gat No. 728
Floor:	-
Building Name:	-
Road/Street Name:	Kumbhari to Mule Goan Road
Locality:	Kumbhari
City:	South Solapur
11.Area of the project	State Level Nodal Agency, MHADA, Pune
12.IOD/IOA/Concession/Plan Approval Number	Under Process
	IOD/IOA/Concession/Plan Approval Number: 00
	Approved Built-up Area: 00
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	50000.00
16.Deductions	00
17.Net Plot area	50000.00
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 33301.13
	b) Non FSI area (sq. m.): 8280.81
	c) Total BUA area (sq. m.): 41581.94
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 00
	Approved Non FSI area (sq. m.): 00
	Date of Approval: 14-12-2018
19.Total ground coverage (m2)	13894.98
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	45.71 % on net plot area
21.Estimated cost of the project	717270968.00

22.Number of buildings & its configuration

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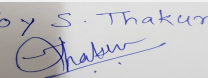
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building No. 1 to 33	G+2	9
23.Number of tenants and shops	Residential : 1188		
24.Number of expected residents / users	Residential Tenants : 4752		
25.Tenant density per hectare	237.6/ ha		
26.Height of the building(s)			
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	12m		
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9m		
29.Existing structure (s) if any	NA		
30.Details of the demolition with disposal (If applicable)	NA		

31.Production Details

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

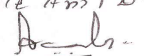
32.Total Water Requirement

Dry season:	Source of water	MJP
	Fresh water (CMD):	428
	Recycled water - Flushing (CMD):	214
	Recycled water - Gardening (CMD):	33
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	675
	Fire fighting - Underground water tank(CMD):	NA
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	273

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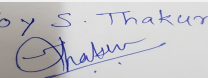
Wet season:	Source of water	MJP
	Fresh water (CMD):	428
	Recycled water - Flushing (CMD):	214
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	642
	Fire fighting - Underground water tank(CMD):	NA
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	306
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	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

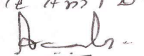
34.Rain Water Harvesting (RWH)	Level of the Ground water table:	Pre-monsoon depth of water level in the area - 8 to 12m Post monsoon depth of water level in the area - 5 to 10m
	Size and no of RWH tank(s) and Quantity:	Size of water storage tank- diameter 78.7-inch height- 76.3 inch. Number of RWH tanks - 33 Quantity-1,55,000 liters.
	Location of the RWH tank(s):	As shown in Layout plan
	Quantity of recharge pits:	15
	Size of recharge pits :	2.0 m x 2.0 m x 3.0 m with 30 m depth borewell
	Budgetary allocation (Capital cost) :	8,80,000/-
	Budgetary allocation (O & M cost) :	1,00,000/-
	Details of UGT tanks if any :	Domestic Water Tank: 642 CMD Reclaimed Water tank near STP : 321 CMD

35.Storm water drainage	Natural water drainage pattern:	As per contour
	Quantity of storm water:	26 m ³ /minute
	Size of SWD:	450 mm

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Name: K. Anil Kale

 Shri. Anil Kale (Chairman SEAC-III)

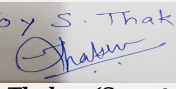
Sewage and Waste water	Sewage generation in KLD:	577
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	580
	Location & area of the STP:	On Ground; Area of STP: 280 sq.m
	Budgetary allocation (Capital cost):	1,44,50,000/-
	Budgetary allocation (O & M cost):	13,90,000/-

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	Waste generation:	20 kg/day (Dry Waste - 8 kg/day, Wet Waste - 12 kg/day)
	Disposal of the construction waste debris:	The Maximum construction waste will be used within the site for leveling purpose and base course preparation of internal approach roads, surplus shall be led to scrap dealers for recycling.
Waste generation in the operation Phase:	Dry waste:	950 kg/day
	Wet waste:	1426 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	E-Waste - 2376 kg/year
Mode of Disposal of waste:	Dry waste:	Will be handed over to Authorized Vendor
	Wet waste:	Will be handed over to OWC
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Dried sludge will use as manure
	Others if any:	Handed over to authorized recyclers for further handling and disposal
Area requirement:	Location(s):	On ground
	Area for the storage of waste & other material:	18 sq.m
	Area for machinery:	84 sq.m
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	32,75,000
	O & M cost:	8,50,000


37.Effluent Charecterestics

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

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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	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

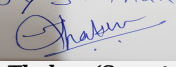
41.Source of Fuel Not applicable

42.Mode of Transportation of fuel to site Not applicable

43.Green Belt Development	Total RG area :	5396.01
	No of trees to be cut :	NA
	Number of trees to be planted :	Provided Trees : 631
	List of proposed native trees :	Referred below
	Timeline for completion of plantation :	Till the end of construction phase


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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Syzygium cumini	Jambhul	45	A large size tree with dense foliage provides shade along roads, wood is water resistant and attracts a variety of birds.
2	Millingtonia hortensis	Indian cork tree	25	A columnar, evergreen tree, grown well in both dry and moist regions.
3	Lagerstromia flos-regineae	Taman	41	State flower of Maharashtra, medium sized tree, beautiful purple flowers, grows well in both dry and humid climate
4	Pongamia pinnata	Karanj	65	Large tree good for stopping soil erosion slong canal banks

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5	Azadirachta indica	Neem	80	A medium to large size hardy tree which stand in drought conditions. Air purifying quality attain a much large size in dry regions.
6	Cassia fistula	Bahava	40	Small deciduous tree, excellent bright flowering tree for arid regions.
7	Ficus benjamina	Weeping fig	50	Medium sized evergreen tree with elegant appearance and moderate water requirement
8	Michelia champaca	Sonchapha	30	Medium sized evergreen tree, fragrant yellow flowers, butterfly host plant
9	Polyathia longifolia	Ashoka	25	Large evergreen tree, effective in decreasing noise pollution.
10	Mangifera indica	Mango	50	Large evergreen and fruit bearing tree
11	Albizia lebeck	Shirish	45	Shady, large tree, ball shaped flowers
12	Butea monosperma	Palas	25	Small deciduous, good for roadside plantation
13	Khaya senghalis	Khaya	65	Large roadside tree with white sweet-scented flowers
14	Bauhinia purpurea	Rakta Kanchan	45	Small hardy tree with beautiful pink flower. 46.Total quantity of plants on ground

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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Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	8.8 KVA
	DG set as Power back-up during construction phase	1 no of 30 KVA
	During Operation phase (Connected load):	2737 KW
	During Operation phase (Demand load):	2130 KVA
	Transformer:	3 no of 630 KVA + 1 no of 315 KVA
	DG set as Power back-up during operation phase:	1 no of 140 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48. Energy saving by non-conventional method:

Energy savings(Solar water heating system + Solar PV panels + LED light fittings) units per year.(For renewable/solar) = 22%

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	1. Timers and contactors will be used to switch on / off common are & external landscape and facade lighting. 2. Light Emitting Diode (LED) will be used for corridors ,Lobbies and common areas. 3. All fluorescent light fixtures are specified to incorporate electronic chokes which have less wattloss compared to electro-magnetic chokes and result in superior operating power factor. This indirectly saves energy. Electronic chokes also improve life of the fluorescent lamps. 4. Energy efficient cfl/t	22%

50. Details of pollution control Systems

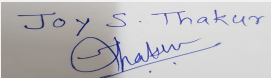
Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	1,83,45,600
	O & M cost:	17,19,180

51. Environmental Management plan Budgetary Allocation

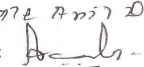
a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
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1	Air Environment	Erosion control - dust suppression measures, barricading and top soil preservation	45.13
2	Land	Labour Camp toilets & sanitation	4.80
3	Health and Safety	Labour Safety Equipment and training	4.00
4	facility	Disinfection and Health Check-ups	0.51
5	Environment Management	Environmental Monitoring cell	1.75
6	Environment Monitoring	Environmental Monitoring	1.85

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	1 STP of MBBR Technology	144.50	13.90
2	Solid Waste Management	OWC	32.75	8.50
3	Landscaping	Development & maintenance of green area	13.49	1.35
4	Rain Water Harvesting	15 Recharge pits + tank	8.80	1.00
5	Renewable Energy	Energy Saving	183.46	17.19
6	Environmental Monitoring	-	-	1.82

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

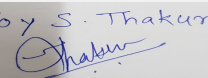
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

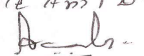
53.Traffic Management

Nos. of the junction to the main road & design of confluence:	1 No
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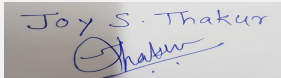
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Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	4009.5 Sqm
	Area per car:	-
	Area per car:	-
	Number of 2-Wheelers as approved by competent authority:	1485
	Number of 4-Wheelers as approved by competent authority:	-
	Public Transport:	NA
	Width of all Internal roads (m):	12 m and 9 m wide internal road is provided and 9.0 m turning radius will be provided.
CRZ/ RRZ clearance obtain, if any:	NA	
Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA	
Category as per schedule of EIA Notification sheet	8a building and construction project	
Court cases pending if any	NA	
Other Relevant Informations	NA	
Have you previously submitted Application online on MOEF Website.	No	
Date of online submission	-	

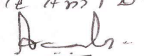
SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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


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Air Quality & Noise Level issues	Satisfactory.
Energy Management	Satisfactory.
Traffic circulation system and risk assessment	Satisfactory.
Landscape Plan	Satisfactory.
Disaster management system and risk assessment	Satisfactory.
Socioeconomic impact assessment	Satisfactory.
Environmental Management Plan	Satisfactory.
Any other issues related to environmental sustainability	Satisfactory.
Brief information of the project by SEAC	

SEAC-AGENDA-00000000190

PP submitted their application for prior environmental clearance for total plot area of 50000 m2. FSI area of 33301.13 m2, Non FSI area of 8280.81 m2 and Total BUA of 41581.94 m2

PP Proposes to construct total 33 Buildings.

The Committee noted the Minutes of 2nd meeting of State Level Sanctioning and Monitoring Committee (SLSMC) for Housing For All Mission of Pradhan Mantri Awas Yojana held on 16th March, 2016, issued by State Mission Directorate , Maharashtra vide letter no. SLSMC/PMAY/F.No.04/38/2016 dt. 28.03.2016. The Committee noted that the infrastructure connectivity such as water supply, road, drainage and electricity will be done through other Government schemes such as AMRUT.

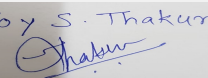
The Committee further noted the letter addresses from Government of Maharashtra to Ministry of Housing and Urban Affairs (HFA-II), GoI, mentioning that the State Government will extend its full support for the related all infrastructure like water supply, roads, drainage, storm water drainage, electricification and social amenities through various schemes.

The Committee noted the Office Memorandum issued by Ministry of Housing and Urban Affairs (HFA-II) vide F.No,-11011/1256/2017-HFA-II(C-3026891) dt. 3rd August, 2017 wherein final approval for Central Assistance was accorded for the aforesaid AHP project at Solapur for construction of 30000 EWS houses under PMAY (U) proposes by Government of Maharashtra.

The case was discussed on the basis of the documents submitted and presentations made by the proponent. All Issues relating to Environment, including Air, Water, land , Soil,ecology and Biodiversity and social aspects were examined.

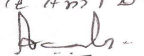
The proposal is appraised as category 8(a) B2.

DECISION OF SEAC

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During discussion following points emerged:

1. During deliberation the PP claimed that since this scheme is for EWS housing, the proposal may be exempted from undertaking additional CER activities. PP to justify the same.
2. PP to provide adequate socio-economic infrastructure like Pre-primary & Primary School, Hospital etc.
3. PP to ensure adequate fire tender movement near building no. A-21,22,23 & 24.
4. PP to submit undertaking that no occupancy will be given till sustainable water supply and adequate environmental infrastructure like sewerage line, storm water drain etc are in place.

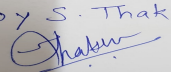
SEAC decided to **recommend** the proposal for prior environmental Clearance, subject to PP complying with the above conditions.

Specific Conditions by SEAC:

- 1) 1. During deliberation the PP claimed that since this scheme is for EWS housing, the proposal may be exempted from undertaking additional CER activities. PP to justify the same.
- 2) 2. PP to provide adequate socio-economic infrastructure like Pre-primary & Primary School, Hospital etc.
- 3) 3. PP to ensure adequate fire tender movement near building no. A-21,22,23 & 24.
- 4) 4. PP to submit undertaking that no occupancy will be given till sustainable water supply and adequate environmental infrastructure like sewerage line, storm water drain etc are in place.

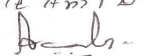
FINAL RECOMMENDATION

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

Agenda for 79th Meeting of SEAC-3

SEAC Meeting number: 79 Meeting Date January 7, 2019

Subject: Environment Clearance for Sai Mystique by M/s Sai Shree Developers

Is a Violation Case: Yes

1.Name of Project	Sai Mystique
2.Type of institution	TOR
3.Name of Project Proponent	Mr.Sanjay Tyagi
4.Name of Consultant	Sneha Hi-Tech Products
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Environmental clearance has been obtained for the existing project vide letter no SEAC-2010/CR-871/TC-2 dated 30th June 2011.
8.Location of the project	Sr. No. 11/7, 11/8, 11/9 -Part &11/2
9.Taluka	Haveli
10.Village	Ambegaon(Bk)
Correspondence Name:	Mr.Sunil Baraskar
Room Number:	"Survey Nos. 11/7, 11/8, 11/9 -Part &11/2,
Floor:	Behind Ashok Leyland Co.
Building Name:	Near Sinhgad Institute, Ambegaon(BK)
Road/Street Name:	Haveli
Locality:	Ambegaon
City:	Pune
11.Area of the project	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Not Applicable
	IOD/IOA/Concession/Plan Approval Number: Collector Sanction:PRH / NASR / 949 / 2014 DT:- 09 / 10 / 2014 ; Town Planning :N. A. BP / MOUJE AMBEGOAN BK. / TAL. HAVELI, S.NO. 11/2,11/7 & 11/8(pt) & 11/9 / S.S.P / 3156 DATE :- 02 / 06 / 2014.
	Approved Built-up Area: 22944.48
13.Note on the initiated work (If applicable)	We have carried out the construction on site as per the EC received vide letter no SEAC-2010/CR.871/TC-2 dated 30th June 2011.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	25000
16.Deductions	3750
17.Net Plot area	21250
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 22944.48
	b) Non FSI area (sq. m.): 25086.02
	c) Total BUA area (sq. m.): 48030.5
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 22944.48
	Approved Non FSI area (sq. m.): 25086.02
	Date of Approval: 06-02-2014
19.Total ground coverage (m2)	2858.61
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	13.45%
21.Estimated cost of the project	982000000

22.Number of buildings & its configuration

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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	B	9	29
2	C	9	29
3	D	9	29
4	E	9	29
5	F	9	29
6	H	9	29
7	J	9	29
8	K	11	35.95
9	L	11	35.95

23.Number of tenants and shops	No. of tenements: 393 Nos.
24.Number of expected residents / users	Residents:2063
25.Tenant density per hectare	185
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	Nearest Fire Station: 2 kms; Width of the road : 15m
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	8 buildings constructed on site
30.Details of the demolition with disposal (If applicable)	Not Applicable

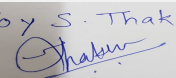
31.Production Details

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

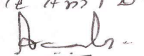
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Dry season:	Source of water	Pune Municipal Corporation								
	Fresh water (CMD):	185								
	Recycled water - Flushing (CMD):	92								
	Recycled water - Gardening (CMD):	14								
	Swimming pool make up (Cum):	2								
	Total Water Requirement (CMD) :	292								
	Fire fighting - Underground water tank(CMD):	350								
	Fire fighting - Overhead water tank(CMD):	180								
	Excess treated water	134								
Wet season:	Source of water	Pune Municipal Corporation								
	Fresh water (CMD):	185								
	Recycled water - Flushing (CMD):	92								
	Recycled water - Gardening (CMD):	00								
	Swimming pool make up (Cum):	2								
	Total Water Requirement (CMD) :	279								
	Fire fighting - Underground water tank(CMD):	350								
	Fire fighting - Overhead water tank(CMD):	180								
	Excess treated water	148								
Details of Swimming pool (If any)										
33.Details of Total water consumed										
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)			
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total	
Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total	
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	

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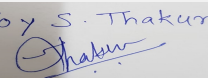
34.Rain Water Harvesting (RWH)	Level of the Ground water table:	Pre-Monsoon:15-20 m BGL;Post Monsoon:6-8 m BGL
	Size and no of RWH tank(s) and Quantity:	No of RWH Tanks:2;Quantity:100 m3 each
	Location of the RWH tank(s):	As per the services layout
	Quantity of recharge pits:	8
	Size of recharge pits :	3 recharge pits of size 6.5 m x 5.0 m x1.35 m ;1 recharge pit of size 6.5 m x 4 m x 1.35 m;1 recharge pit of size 4.5 m x 4 m x 1.35 m;3 recharge pits of size 2m x 2m x2m
	Budgetary allocation (Capital cost) :	Rs.13 Lakhs
	Budgetary allocation (O & M cost) :	Rs.1.3 Lakh
	Details of UGT tanks if any :	Total water capacity:628 m3/day Firewater Tank: 350 m3/day Domestic water Tank:278.5 m3/day Flushing water Tank:139.25 m3/day

35.Storm water drainage	Natural water drainage pattern:	North to South
	Quantity of storm water:	1040 m ³ /hr
	Size of SWD:	600 mm

Sewage and Waste water	Sewage generation in KLD:	241
	STP technology:	DTAS and MBBR
	Capacity of STP (CMD):	No.of STP:2;Capacity of STP :STP-1: 208 KLD; STP-2: 50 KLD
	Location & area of the STP:	Location of STP 1: Westside ; Location of STP 2 :South side ;STP 1- 130 sqm; STP 2- 33.26 sqm; TOTAL -163.26 sqm
	Budgetary allocation (Capital cost):	Rs.80.25 Lakhs
	Budgetary allocation (O & M cost):	Rs.16.23 Lakhs/annum

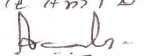
36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	Waste generation:	13 kg/day
	Disposal of the construction waste debris:	This material shall be used for back filling and leveling of the plot and remaining will be disposed to authorized sites
Waste generation in the operation Phase:	Dry waste:	413 Kg/day
	Wet waste:	619 Kg/day
	Hazardous waste:	Negligible
	Biomedical waste (If applicable):	Not Any
	STP Sludge (Dry sludge):	45 Kg/day
	Others if any:	Not Any

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Mode of Disposal of waste:	Dry waste:	Dry waste will be handed over to SWACH.
	Wet waste:	Wet waste will be treated in OWC.
	Hazardous waste:	Will be handed over to authorized vendors.
	Biomedical waste (If applicable):	Not Any
	STP Sludge (Dry sludge):	Will be used as manure for landscaping
	Others if any:	Not Any
Area requirement:	Location(s):	North Side
	Area for the storage of waste & other material:	15 sqm
	Area for machinery:	60 sqm
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs.25.75 Lakhs
	O & M cost:	Rs.7.60 Lakhs/annum

37. Effluent Characteristics

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

38. Hazardous Waste Details

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

39. Stacks emission Details

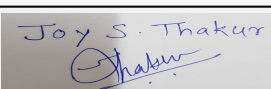
Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	200 kVA	HSD-34.6 Litres/day	1	3	0.12	543 degree Celcius

40. Details of Fuel to be used

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

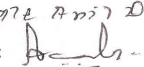
41. Source of Fuel Authorised Vendor

42. Mode of Transportation of fuel to site By road


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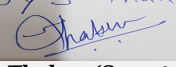
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43.Green Belt Development	Total RG area :	2500 sqm
	No of trees to be cut :	--
	Number of trees to be planted :	297
	List of proposed native trees :	As mentioned below
	Timeline for completion of plantation :	Till the completion of the report.


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	Alstonia Scholaris	Satvin	16	Good for roadside plantation and provide shade.
2	Alstonia Scholaris	Supari Palm	03	Ornamental and ecological plant having medicinal properties.
3	Araucaria Heterophylla	Christmas Tree	01	Ornamental plant.
4	Bauhinia Racemosa	Aapta	26	Drought resistant, good air purifier and have medicinal properties.
5	Cassia Fistula	Bahava	23	Have medicinal properties and larval host for butterflies.
6	Cocos Nucifera	Naral	01	Fruit bearing
7	Erithrina Indica	Pangara	02	Good as a avenue tree, good for group planting around water gardens and ponds.
8	Filicium Decipiens	Fern tree	23	Shady evergreen tree good for roadside plantation.
9	Wodyetia bifurcata	Fox Tail Palm	19	Good for roadside plantation and provide shade.
10	Lagerstromia Flos-Regineae	Tamhan	18	Good as a avenue tree, good for group planting around water gardens and ponds.
11	Millingtonia Hortensis	--	03	Evergreen tree with white flowers.
12	Plumeria Alba	Chafa	17	Good as a avenue tree, good for group planting around water gardens and ponds.
13	Psidium gujava	Peru	02	Fruit Tree.
14	Caesalpinia pulcherrima-	Shankasur	01	Ornamental Plant.
15	--	Silver Oak	29	Good for roadside plantation and provide shade.
16	--	Sita Ashok	16	Good as a avenue tree, good for group planting around water gardens and ponds.
17	Spathodia Companulata	--	11	Good for avenue plantation and provide shade.
18	Total	--	211	--
19	Azadirachta Indica	Neem	23	Good for roadside plantation, good for air purifier and has medicinal properties

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20	Ailanthus ExcelsaTotal	Maharukh	20	Good for roadside plantation, good for air purifier and has medicinal properties
21	Bauhinia racemose	Aapta	13	Drought resistant good air purifier and have medicinal properties
22	Cassia Fistula	Bahava	19	Have medicinal properties and larval host for butterflies.
23	Michelia Champaca	Son Chafa	11	Good for ornamental purpose.--
24	Total	--	86	--

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	Thevetia Nerifolia	--	--
2	Plumbago zeylanica	--	--
3	Acorus calamus	--	--
4	Korphad	--	--
5	Ocimum sanctum	--	--
6	Cymbopogon floxosus	--	--
7	Nerium oleander	--	--
8	Hibiscus rosa sinensis	--	--
9	Total	--	1160.00

47.Energy

Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	33 KW
	DG set as Power back-up during construction phase	1 x 40 KVA
	During Operation phase (Connected load):	1863.47 KW
	During Operation phase (Demand load):	1012.89 KVA
	Transformer:	2 x 630KVA
	DG set as Power back-up during operation phase:	1 x 200 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	Not Applicable

48.Energy saving by non-conventional method:

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1. Timers and contractors will be used to switch on / off common are & external landscape and facade lighting.
2. LED fittings will be used for corridors, Lobbies and common areas.
3. Energy efficient LED lamps which give approx. 30% more light output for the same watts consumed and therefore require less nos. Of fixtures and corresponding lower point
4. All cables will be derated to avoid heating during use. This also indirectly reduces losses and improves reliability. To achieve the same we have considered current carrying capacity of all the cables laid through ground/air whichever is minimum.
5. 125 Ltrs Solar water is provided for each flat.
6. Solar PV panel system is proposed for Street lighting & Building common load.

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Timers and contactors will be used to switch on / off common are & external landscape and facade lighting. LED fittings will be used for corridors, Lobbies and common areas. Energy efficient LED lamps which give approx. 30% more light output for the same watts consumed and therefore require less nos. Of fixtures and corresponding lower point .All cables will be derated to avoid heating during use. This also indirectly reduces losses and improves reliability. To achieve the same we have considered	40%
2	125 Ltrs Solar water is provided for each flat.	82 %
3	Solar PV panel system is proposed for Street lighting & Building common load.	23%

50. Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
STP	208 m3/day	50 m3/day
OWC	--	1 OWC proposed
DG Sets	--	1 x 200 KVA

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs.72.31 Lakhs
	O & M cost:	Rs.6.63 Lakhs/annum

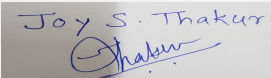
51. Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water For Dust Suppression	0.72
2	Air Environment	Air & Noise monitoring	0.96
3	Air Environment	Air & Noise monitoring	0.96
4	Water Environment	Water monitoring	0.36
5	Land Environment	Site Sanitation	0.5
6	Land Environment	Site Sanitation	0.5
7	Socio- Economic Environment	Disinfection- Pest Control	1.8

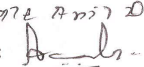
b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
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1	Environmental Monitoring	Ambient Air quality, Noise Level, Exhaust from DG Set, Drinking Water, Sewage from STP, As per EP act, Manure	--	15.0
2	Water	RWH	13.00	1.3
3	Water	STP	80.25	16.23
4	Energy	Solar PV Cells	6.00	0.30
5	Energy	Solar Hot water	66.31	6.33
6	Land Environment	Gardening	12.59	2.6
7	Solid waste	OWC	25.75	7.60
8	Total	--	203.9	49.36

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

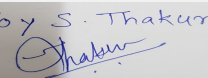
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

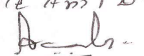
53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Single
Parking details:	Number and area of basement:	Not Any
	Number and area of podia:	Not Any
	Total Parking area:	6838 sqm
	Area per car:	30 sqm
	Area per car:	30 sqm
	Number of 2-Wheelers as approved by competent authority:	445
	Number of 4-Wheelers as approved by competent authority:	244
	Public Transport:	Nearest Bus stop: Katraj Bus Depot: Approx 2.6 kms
Width of all Internal roads (m):	6m	

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	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	None in 10 Km.
	Category as per schedule of EIA Notification sheet	8(a)
	Court cases pending if any	Not Any
	Other Relevant Informations	---
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	13-09-2017

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

 Joy S.Thakur (Secretary SEAC-III)	SEAC Meeting No: 79 Meeting Date: January 7, 2019	Page 58 of 73	Name: K. Anil Kale  Shri. Anil Kale (Chairman SEAC-III)
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PP submitted their application for prior Environment Clearance for total plot area of 25000 m², Total BUA of 48030.50 m² and FSI area of 22944.48 m².

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

DECISION OF SEAC

SEAC-AGENDA-00000000190

 Joy S.Thakur (Secretary SEAC-III)	SEAC Meeting No: 79 Meeting Date: January 7, 2019	Page 59 of 73	Name: K 072 Anil D. Signature:  Shri. Anil Kale (Chairman SEAC-III)
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During discussion following points emerged:

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

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


Specific Conditions by SEAC:

 Joy S.Thakur (Secretary SEAC-III)	SEAC Meeting No: 79 Meeting Date: January 7, 2019	Page 60 of 73	Name: K ०१६ ७२११० २० Signature: Anil Kale Shri. Anil Kale (Chairman SEAC-III)
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FINAL RECOMMENDATION

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


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Joy S. Thakur


Joy S.Thakur (Secretary
SEAC-III)

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2019**

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Name: K 072 Anil D.
Signature: 

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

Agenda for 79th Meeting of SEAC-3

SEAC Meeting number: 79 Meeting Date January 7, 2019

Subject: Environment Clearance for Hospital construction

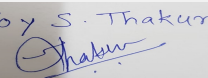
Is a Violation Case: Yes

1.Name of Project	Acharya Vinoba Bhave Rural Hospital attached to Jawaharlal Nehru Medical College
2.Type of institution	Private
3.Name of Project Proponent	Dean
4.Name of Consultant	Pollution & Ecology Control Services
5.Type of project	Teaching Hospital
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	Khasra no. 410 at Sawangi (Meghe), Wardha
9.Taluka	Wardha
10.Village	Sawangi (Meghe)
Correspondence Name:	Datta Meghe Institute of Medical Sciences (Deemed University)
Room Number:	Atrey Layout, Pratapnagar
Floor:	NA
Building Name:	NA
Road/Street Name:	Ring Road
Locality:	Atrey Layout, Pratapnagar
City:	Nagpur
11.Area of the project	Gram Panchayat
12.IOD/IOA/Concession/Plan Approval Number	7/12 - Gut No. 410
	IOD/IOA/Concession/Plan Approval Number: Approval date - 19-05-1997
	Approved Built-up Area: 47627
13.Note on the initiated work (If applicable)	? Total land Area : 54,135 sq.m (13.38 Acres) ? Total Built up Area (Hospital) : 47,627 sq. m (As per Sanctioned Drawing) ? Built up Area before EIA Notification 14.09.2006 : 20,029 Sq. M. ? Built up Area After EIA Notification 14.09.2006 : 27,598 Sq.m. ? Total Built up Area (Hospital) : 47,627 sq. m (As per Sanctioned Drawing) ? Under violation as per EIA Notification 2006: Built up area is :- 27,598 sq.m.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Gram Panchayat
15.Total Plot Area (sq. m.)	54,135 sq.m
16.Deductions	16,240 Sq.m.
17.Net Plot area	37,895 Sq.m.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 75790 Sq. M. (As per DCR rules for medical institutions)
	b) Non FSI area (sq. m.): 634 Sq.m. NON FSI (in terms non hospital areas)
	c) Total BUA area (sq. m.): 47627
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 75790 Sq. M. (As per DCR rules for medical institutions)
	Approved Non FSI area (sq. m.): Not required
	Date of Approval: 19-05-1997
19.Total ground coverage (m2)	16128.25 Sq. m.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	43 %
21.Estimated cost of the project	930000000

22.Number of buildings & its configuration

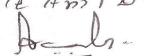
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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Hospital Main Building Building A & C	4	16.8
2	Block 1 (Surgery Ward B)	1	3.3
3	Block 2 (Surgery Ward -A)	1	3.3
4	Ortho Building D	3	12.6
5	Ravi Nair Physiotherapy Department	3	12.6
6	Kitchen Building	3	12.6
7	Hospital Dharmashala Building G.Fl & 1st Fl.	2	6.6
8	Hospital Dharmashala Building 2nd Fl.	1	5.2
9	Bungalow A1	1	3.2
10	Bungalow A2	1	3.2
11	OSD / A3 Type Quarter	1	3.2
12	New Surgery Building	6	22.65
13	Sai Temple	2	6.4
14	Doctor's Quarter - 1 (P.G. Accommodation)	3	9.6
15	Doctor's Quarter - 2 (P.G. Accommodation)\	3	9.6
16	B-Type quarter 12-13 & 14-15 (for Linen store & Laundry)	1	3.2
23.Number of tenants and shops	Not Applicable		
24.Number of expected residents / users	Patient - 1300 (max), Residential - 105 , Commercial - 1000 , Floating Population - 8000 .		
25.Tenant density per hectare	Not Applicable, its a Teaching Hospital Project.		
26.Height of the building(s)			
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	15 m approach road form NH-204 (20 m. Wide)		
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Maintained minimum turning radius of 6 mtr.		
29.Existing structure (s) if any	Yes, The construction part of the project is completed hence applied under notification dated 8th March 2018 for violation cases.		
30.Details of the demolition with disposal (If applicable)	Not Applicable		

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Name: K. Anil Kale

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

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	Maharashtra Jeevan Pradhikaran and Ground Water							
	Fresh water (CMD):	628							
	Recycled water - Flushing (CMD):	131							
	Recycled water - Gardening (CMD):	60							
	Swimming pool make up (Cum):	Nil							
	Total Water Requirement (CMD) :	819							
	Fire fighting - Underground water tank(CMD):	50							
	Fire fighting - Overhead water tank(CMD):	nil							
	Excess treated water	356							
Wet season:	Source of water	Maharashtra Jeevan Pradhikaran and Ground Water							
	Fresh water (CMD):	628							
	Recycled water - Flushing (CMD):	131							
	Recycled water - Gardening (CMD):	00							
	Swimming pool make up (Cum):	Nil							
	Total Water Requirement (CMD) :	759							
	Fire fighting - Underground water tank(CMD):	50							
	Fire fighting - Overhead water tank(CMD):	nil							
	Excess treated water	416							
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
Domestic	759	00	759	152	00	152	607	00	607

 Joy S. Thakur (Secretary SEAC-III)	SEAC Meeting No: 79 Meeting Date: January 7, 2019	Page 64 of 73	Name: K. Anil Kale  Shri. Anil Kale (Chairman SEAC-III)
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Gardening	60	00	60	60	00	60	00	00	00
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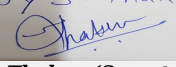
34.Rain Water Harvesting (RWH)	Level of the Ground water table:	Ground Water Level : 5 to 10 m bgl
	Size and no of RWH tank(s) and Quantity:	Not Applicable
	Location of the RWH tank(s):	Not Applicable
	Quantity of recharge pits:	10 pits are provided
	Size of recharge pits :	2m X 2m X 3m Depth
	Budgetary allocation (Capital cost) :	Rs. 3,00,000/-
	Budgetary allocation (O & M cost) :	Rs. 20,000/- per annum.
	Details of UGT tanks if any :	Under ground water tank is provided for fire fighting as per norms.

35.Storm water drainage	Natural water drainage pattern:	Storm water drain is constructed according to natural slope.
	Quantity of storm water:	--
	Size of SWD:	--

Sewage and Waste water	Sewage generation in KLD:	607 KLD
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	2 Nos. 1) 400 KLD and 2) 600 KLD
	Location & area of the STP:	Within the Plot Area
	Budgetary allocation (Capital cost):	Rs 2.0 Crores
	Budgetary allocation (O & M cost):	Rs 20.00 Lacs per annum


36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	Waste generation:	Construction waste debris
	Disposal of the construction waste debris:	Waste debris is utilized in making of internal road
Waste generation in the operation Phase:	Dry waste:	445 kg/day
	Wet waste:	667 kg/day
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	195 kg/day
	STP Sludge (Dry sludge):	30
	Others if any:	Not Applicable

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Mode of Disposal of waste:	Dry waste:	The waste have been segregate properly as per CPCB norms and disposed off to the Authorized local authority waste collection system.
	Wet waste:	The waste have been segregate properly as per CPCB norms and disposed off to the Authorized local authority waste collection system.
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	The biomedical waste have been collected & segregated separately as per CPCB norms in Four different Colour bins and disposed off properly to Local Authorized Medical waste disposal Agency.
	STP Sludge (Dry sludge):	STP Dry Sludge have been used as manure for greenbelt development.
	Others if any:	Not Applicable
Area requirement:	Location(s):	Area earmark for the bio medical waste and Solid waste separately.
	Area for the storage of waste & other material:	Area earmark for the bio medical waste and Solid waste separately.
	Area for machinery:	Not Applicable
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 40 Lacs
	O & M cost:	Rs. 15 Lacs / 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):		40 KLD			
Capacity of the ETP:		40 KLD			
Amount of treated effluent recycled :		38 KLD			
Amount of water send to the CETP:		Not Applicable			
Membership of CETP (if require):		Not Applicable			
Note on ETP technology to be used		Collection tank - Settling tank - Filter tank have been constructed for treatment of waste water			
Disposal of the ETP sludge		Not applicable			

38. Hazardous Waste Details

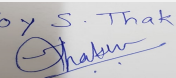
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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	Silent DG Set	Diesel 50 ltr/day	2	15	0.15	50 degree C

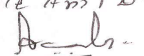
40. Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel	50 Ltr/day	00	50 Ltr/day

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41.Source of Fuel	Local supplier	
42.Mode of Transportation of fuel to site	It is available in near by town.	
43.Green Belt Development	Total RG area :	10036.20 Sq. M.
	No of trees to be cut :	None
	Number of trees to be planted :	About 1000 trees are planted and preserved as a part of the development. And 600 trees will be planted in future.
	List of proposed native trees :	Mango , Ashok, Jamun,\Neem, Pipal, Shisam, Gulmohar etc.
	Timeline for completion of plantation :	Not applicable

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	Magnifera indica	Mango	100	Fruit giving tree
2	Sarca Asoca	Ashok	450	Semi-deciduous, Large
3	Eugenia jambolana	Jamun	50	Fruit giving, Medicinal tree
4	Azadirachta Indica	Neem	150	Medicinal tree with large canopy
5	Ficus religiosa	Pipal	10	Medicinal tree, Spiritual significance
6	Dalbergia sissoo	Shisam	25	Timber tree, Shade tree
7	Ficus Benjamina	Fig	10	Deciduous, Large
8	Melia azedarach	White Cedar	15	Medicinal tree, Timber tree
9	Terminalla catappa	Badam	25	Fruit giving, Medicinal tree
10	Delonix Regia	Gulmohar	100	Deciduous, Large
11	Pongamia pinnata	Karanji	15	Medicinal tree
12	Roystonea regia	Royal Palm	50	Deciduous, Large

45.Total quantity of plants on ground

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

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

47.Energy

Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	Construction Phase: 200 KVA
	DG set as Power back-up during construction phase	Not Applicable
	During Operation phase (Connected load):	Operation Phase: 3 MW
	During Operation phase (Demand load):	Operation Phase: 2.5 MW
	Transformer:	Yes, installed.
	DG set as Power back-up during operation phase:	For D. G. Sets : 2 Nos. 750 KVA , 1 No. 500 KVA, 1 No. 320 KVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	Not Applicable

48. Energy saving by non-conventional method:

* 230 KVA is being generated by Solar Energy. This solar energy has been used for hospital common area, outer lighting and hot water.

* Through Wind Energy 100 KVA is acquired for Hospital common area.

* Solar water heater has been provided for Hospital for more than 20 % of the hot water demand.

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar Energy - Street Light and Common Area	100 KVA
2	Solar Energy for Water Heater	130 KVA
3	Wind Energy is acquired for Hospital common area.	100 KVA

50. Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Vehicular Movement	Dense plantation and Dust Suppression have been adopted to control air Pollution	About 1000 trees are planted and preserved as a part of the development. And 600 trees will be planted in future.

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 1.5 Crores
	O & M cost:	Rs. 3.00 Lacs Per Annum.

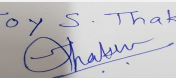
51. Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Pollution Control	Particulate Matter	Rs. 2.00 Lacs

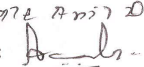
b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
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1	Air Pollution Control	There is no air pollution except during run of D.G. sets in case of power failure	12.00	2.00
2	Water Pollution Control	STP	200.00	20.00
3	Solid Waste Management (Bio Medical Waste)	Agreement with Authorised agency to disposal of Solid waste	40.00	15.00
4	Greenbelt	Plantation	15.00	2.00
5	Environmental Monitoring	Air quality , Water and wastewater quality; Noise levels.	--	5.00

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

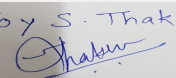
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

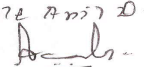
53.Traffic Management

Nos. of the junction to the main road & design of confluence:	The project is well connected to Tar road is connected by NH-204
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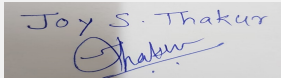
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Parking details:	Number and area of basement:	None
	Number and area of podia:	None
	Total Parking area:	Open parking is provided which is adequate to accommodate all the vehicles, areas are demarcated for Four wheeler & Two Wheeler separately. 3 gates are provided to avoid traffic congestion and entry and exit are kept separate.
	Area per car:	As per DCR Norms
	Area per car:	As per DCR Norms
	Number of 2-Wheelers as approved by competent authority:	As per DCR Norms
	Number of 4-Wheelers as approved by competent authority:	As Per DCR Norms
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	6 m.
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	8(a)
	Court cases pending if any	None
	Other Relevant Informations	Application for Environmental Clearance under notification dated 8th March 2018 for Violation cases.
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

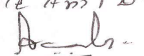
SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-


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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 submitted their application for prior Environment Clearance for total plot area of 54135 m² and FSI area of 75790.00 m².

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

DECISION OF SEAC

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During discussion following points emerged:

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

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


Specific Conditions by SEAC:

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FINAL RECOMMENDATION

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


SEAC-AGENDA-00000000190

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)**