

Agenda for 75th meeting of SEAC-3 (Day-3)

SEAC Meeting number: 75 Meeting Date November 3, 2018

Subject: Environment Clearance for Construction of EWS (PMAY) LIG and HIG (RH) Type Buildings at S.No. 116/1 to 5 at Mauza Waddhamna, Nagpur.

Is a Violation Case: No

1.Name of Project	Construction of EWS (PMAY) LIG and HIG (RH) Type Buildings
2.Type of institution	Government
3.Name of Project Proponent	Nagpur Housing and Area Development Board (A MHADA Unit)
4.Name of Consultant	Fine Envirotech Engineers
5.Type of project	MHADA
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in existing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes, Environmental clearance obtained from Environment Department, Maharashtra on 6th February 2017 vide letter no: SEAC II-2014/CR-249/TC-3
8.Location of the project	S.No. 116/1 to 5 at Mauza Waddhamna, Nagpur.
9.Taluka	Mauza
10.Village	Waddhamna
Correspondence Name:	Nagpur Housing and Area Development Board (A MHADA Unit)
Room Number:	NA
Floor:	NA
Building Name:	Gruha Nirman Bhawan
Road/Street Name:	Temple Road
Locality:	Civil Line
City:	Nagpur
11.Area of the project	Nagpur Improvement Trust (NIT), Nagpur
12.IOD/IOA/Concession/Plan Approval Number	Plan is approved by Nagpur Metropolitan Region Development Authority dated: 27/04/2018 IOD/IOA/Concession/Plan Approval Number: KA.ABHI/E.ABHI/222 Approved Built-up Area: 81926.368
13.Note on the initiated work (If applicable)	Total constructed area: 16872.42 sq.mt (FSI area :15,827.68 sq.mt and non FSI area -1044.74 sq.mt)
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	90879.891 sq.mt.
16.Deductions	36342.041 sq.mt.
17.Net Plot area	54537.85 sq.mt.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 81926.368 sq.mt b) Non FSI area (sq. m.): 4835.11 sq.mt c) Total BUA area (sq. m.): 86761.478
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 1,36,344.625 Approved Non FSI area (sq. m.): Date of Approval: 27-04-2018
19.Total ground coverage (m2)	14315.44 sq.mt.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	20.97 %
21.Estimated cost of the project	982900000

22.Number of buildings & its configuration

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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	LIG-R (1 Wing) - Existing	G +7	23.97
2	LIG-R+SH (3 Wings) - Existing	G/SH +7	23.97
3	RO-HS (2 Wings) - Existing	G+1	7.40
4	LIG-R (4 Wings) -Proposed	S+7	23.83
5	EWS-1 (7 Wings) - Proposed	G+7	23.98
6	EWS -2 (7 Wings) - Proposed	G+7	23.98
7	RO-HS (2 Wings) - Proposed	G+1	7.40
8	Convenient Shopping (1 Wing)-Proposed	G	4.35

23.Number of tenants and shops	Residential Tenements- 1591 nos. Shops - 32 nos.
24.Number of expected residents / users	Residents - 7955 nos. Shop users- 96 nos.
25.Tenant density per hectare	116.69 nos.
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	24 m wide road and 12 m wide road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	LIG-R (1 Wing) - G+7, LIG-R+SH (3 Wings) - G/SH +7 , RO-HS (2 Wings) - G+1
30.Details of the demolition with disposal (If applicable)	NA

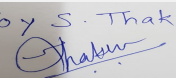
31.Production Details

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

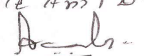
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Dry season:	Source of water	Nagpur Improvement Trust (NIT)							
	Fresh water (CMD):	718							
	Recycled water - Flushing (CMD):	360							
	Recycled water - Gardening (CMD):	36							
	Swimming pool make up (Cum):	NA							
	Total Water Requirement (CMD) :	1114							
	Fire fighting - Underground water tank(CMD):	600							
	Fire fighting - Overhead water tank(CMD):	260							
	Excess treated water	380							
Wet season:	Source of water	Nagpur Improvement Trust (NIT)							
	Fresh water (CMD):	718							
	Recycled water - Flushing (CMD):	360							
	Recycled water - Gardening (CMD):	NA							
	Swimming pool make up (Cum):	NA							
	Total Water Requirement (CMD) :	1078							
	Fire fighting - Underground water tank(CMD):	600							
	Fire fighting - Overhead water tank(CMD):	260							
	Excess treated water	416							
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

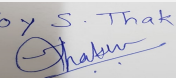
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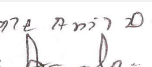
Name: K. Anil Kale

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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	3m to 5m below ground
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	7 nos.
	Size of recharge pits :	3.5m x 1.8 m
	Budgetary allocation (Capital cost) :	35 Lakhs
	Budgetary allocation (O & M cost) :	3.5 Lakhs /year
	Details of UGT tanks if any :	Domestic tank total capacity - 359 kld Flushing tank total capacity -180 kld Fire water tank total capacity - 600 kld
35.Storm water drainage	Natural water drainage pattern:	Pipe storm water drain with collection chamber connected to existing Nallah
	Quantity of storm water:	60.57 m3/min
	Size of SWD:	300 / 450 / 600 /750 900 mm dia. Pipe
Sewage and Waste water	Sewage generation in KLD:	862 kld
	STP technology:	MBBR
	Capacity of STP (CMD):	2 STP of total capacity 900 kld (1 no. of STP of capacity 750 kld and 1 no. of STP of capacity 150 kld)
	Location & area of the STP:	Location of STP on Ground area - 960.75 sq.mt.
	Budgetary allocation (Capital cost):	210 Lakhs
	Budgetary allocation (O & M cost):	36 Lakhs / year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Waste will be generated during excavation and other construction activities
	Disposal of the construction waste debris:	Excavated materials shall be used for backfilling, leveling and remaining will be disposed by handed over to authorized contractor.
Waste generation in the operation Phase:	Dry waste:	1608 kg/day
	Wet waste:	2662 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	81 kg/day
	Others if any:	NA

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Mode of Disposal of waste:	Dry waste:	Dry wastes will be handed over to authorized agency/recycler
	Wet waste:	Wet waste will be processed in the organic waste converter and manure generated shall be used for gardening purposes
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as manure for gardening
	Others if any:	NA
Area requirement:	Location(s):	Open Ground
	Area for the storage of waste & other material:	120 sq.mt
	Area for machinery:	30 sq.mt
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	50 Lakhs
	O & M cost:	13 Lakhs / year

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

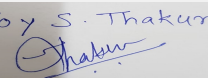
39.Stacks emission Details

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

40.Details of Fuel to be used

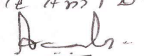
Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable

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

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43.Green Belt Development	Total RG area :	7239.59 sq.mt
	No of trees to be cut :	6 nos.
	Number of trees to be planted :	1135 nos.
	List of proposed native trees :	Shirish, Neem, Sita Ashok, Karanj, Nandruk, Kadamb, Apta, Bakul, Sitaphal, Mango, Parijatak and Kunti.
	Timeline for completion of plantation :	2 Years

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Albizia lebbeck	Shirish	130	Shady tree, yellowish green fragrant flowers
2	Azadiracta indica	Neem	40	Large tree, good for roadside plantation
3	Saraca asoka	Sita Ashok	150	Shady tree with red-yellow flowers
4	Pongamia pinnata	Karanj	70	Shady tree
5	Ficus retusa	Nandruk	80	Medium sized evergreen tree, Shady tree.
6	Anthocephallus cadamba	Kadamb	80	Shady, large deciduous tree, fast-growing graceful tree, ball shaped flowers
7	Bauhinia racemosa	Apta	125	Small tree with small white flowers, Butterfly host plant
8	Mimusops elengi	Bakul	80	Shady tree, small white fragrant flowers
9	Annona squamosa	Sitaphal	60	Fruit bearing tree
10	Mangifera indica	Mango	50	Fruit bearing tree
11	Nyctanthes arbor-tristis	Parijatak	135	Small deciduous fast growing tree, beautiful flowers
12	Murraya paniculata	Kunti	135	Small tree, Fragrant white flowers, Butterfly host plant

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)	300 KW
	DG set as Power back-up during construction phase	2 nos. of 125 KVA
	During Operation phase (Connected load):	4861.51 KW
	During Operation phase (Demand load):	3174.85 KW
	Transformer:	2 nos of 315 KVA, 2 nos of 200 KVA and 5 nos of 630 KVA
	DG set as Power back-up during operation phase:	3 nos of 160 KVA, 1 no of 125 KVA and 1 no of 100 KVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	HT line is passing from North side corner of plot and no construction will be proposed on the land affected by HT Line and its buffer zone.

48. Energy saving by non-conventional method:

By using 28 watt T5 Tube Light in place of 40 watt Tube Light.
By using VVVF drive for lifts.

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	By using 28 watt T5 Tube Light in place of 40 watt Tube Light.	30
2	By using VVVF drive for lift	35

50. Details of pollution control Systems

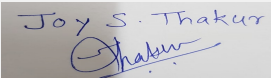
Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	40 Lakhs
	O & M cost:	5 Lakhs / year

51. Environmental Management plan Budgetary Allocation

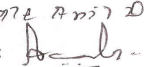
a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Site Safety	Barricading and dust suppression	4
2	Sanitary facility and waste water management	Water	7
3	Solid waste management	Solid waste	5


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4	Occupation health and safety	Health checkup of workers, disinfection at site, first aid facility, personal protective equipment	6
5	Environmental Monitoring	Air, Noise, Water, Biological	8

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 750 kld and 1 STP of 400 kld	210	36
2	Rain Water Harvesting System	7 nos. of recharge pits	35	3.5
3	Solid Waste Management	OWC, Manpower and colored dustbins	50	13
4	Green Belt Development	Landscaping and tree plantation	25	5
5	Energy Saving Measures	T5 tube lights and VVVF drive	40	5

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

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

52.Any Other Information

No Information Available

53.Traffic Management

Nos. of the junction to the main road & design of confluence:	Separate entry and exit points
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Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	16842.35 sq.mt. (Car -10892.50 sq.mt, Scooter-4712.65 sq.mt, Cycle -1237.20 sq.mt)
	Area per car:	26.37 sq.mt
	Area per car:	26.37 sq.mt
	Number of 2-Wheelers as approved by competent authority:	2112 nos.
	Number of 4-Wheelers as approved by competent authority:	384 nos.
	Public Transport:	NA
	Width of all Internal roads (m):	12m, 9m , 6m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8 (a) -B2 Category
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	23-05-2018
SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS		
Summorisred in brief information of Project as below.		
Brief information of the project by SEAC		

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PP submitted their application for total plot area of 90879.891 m², FSI area of 81926.368 m², Non FSI area of 4835.11 m² and total BUA of 86761.478 m².

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

DECISION OF SEAC

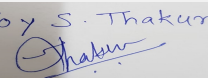
SEAC decided to **recommend** the proposal for prior environmental Clearance, subject to PP complying with the above conditions.

Specific Conditions by SEAC:

- 1) PP to submit energy saving calculations along with terrace area calculations.
- 2) PP to submit details of CER activities in consultation with the affected people in the project area as per MoEF&CC circular dated 01.05.2018 with details of fund utilization & agreement with executor.
- 3) PP to submit tree cutting NOC.
- 4) PP to ensure and undertake that curing period for OWCs will be 18 days.

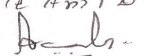
FINAL RECOMMENDATION

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

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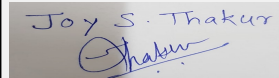
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Subject: Environment Clearance for Building Construction Project

Is a Violation Case: No

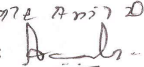
1.Name of Project	Orange City Wholesale Market
2.Type of institution	Private
3.Name of Project Proponent	Nagpur Municipal Corporation
4.Name of Consultant	Mr. Rajesh Shrivastav PECS- Pollution & Ecology Control Services
5.Type of project	Commercial Project
6.New project/expansion in existing project/modernization/diversification 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	Plot No.6, CTS 105, Sheet No.154, Old Bhandara Road, Near Harihar Mandir, Lakadganj, Nagpur
9.Taluka	Nagpur
10.Village	-
Correspondence Name:	Mr. Rajesh Dufare, Deputy Engineer - Nagpur Municipal Corporation
Room Number:	-
Floor:	4th floor
Building Name:	Nagpur Municipal Corporation, Administrative Building C wing
Road/Street Name:	Mahanagarpalika Marg
Locality:	Civil Lines
City:	Nagpur
11.Area of the project	Corporation Area Nagpur Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	IOD/IOA/Concession/Plan Approval Number: MNCNagpur/Town Planning/ 197 Approved Built-up Area: 41922.25
13.Note on the initiated work (If applicable)	Construction has been initiated. Complete Construction is 17402.30 Sqm
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	16784.6 Sqm
16.Deductions	0 Sqm
17.Net Plot area	16784.6 Sqm
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 41922.25
	b) Non FSI area (sq. m.): 39321.90
	c) Total BUA area (sq. m.): 81244.15
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 41922.25
	Approved Non FSI area (sq. m.): 2235.32
	Date of Approval: 04-05-2018
19.Total ground coverage (m2)	9740.01
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	58.03%
21.Estimated cost of the project	3809486834

22.Number of buildings & its configuration


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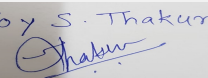
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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)	
1	Commercial Building	2B+LG+G+7	31.8	
23.Number of tenants and shops	Shops- 1073 Nos Banquet Hall- 3 Nos Hotel rooms- 50 Nos			
24.Number of expected residents / users	Expected Commercial Users- 5492 Nos			
25.Tenant density per hectare	640 per hectare			
26.Height of the building(s)				
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	30 M wide approach road			
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	7.5 M			
29.Existing structure (s) if any	Construction of 17402.30 Sqm is complete as per sanction.			
30.Details of the demolition with disposal (If applicable)	Nil			
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				

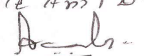
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Dry season:	Source of water	Nagpur Municipal Corporation							
	Fresh water (CMD):	70							
	Recycled water - Flushing (CMD):	64							
	Recycled water - Gardening (CMD):	Gardening- 8 Cum Vehicle wash- 25 Cum							
	Swimming pool make up (Cum):	0							
	Total Water Requirement (CMD) :	167							
	Fire fighting - Underground water tank(CMD):	200							
	Fire fighting - Overhead water tank(CMD):	25							
	Excess treated water	17							
Wet season:	Source of water	Nagpur Municipal Corporation							
	Fresh water (CMD):	70							
	Recycled water - Flushing (CMD):	64							
	Recycled water - Gardening (CMD):	Vehicle wash- 25 Cum							
	Swimming pool make up (Cum):	0							
	Total Water Requirement (CMD) :	159							
	Fire fighting - Underground water tank(CMD):	200							
	Fire fighting - Overhead water tank(CMD):	25							
	Excess treated water	25							
Details of Swimming pool (If any)	Not proposed								
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

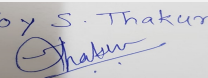
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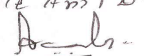
Name: K. Anil Kale

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

34. Rain Water Harvesting (RWH)	Level of the Ground water table:	17 m BGL
	Size and no of RWH tank(s) and Quantity:	2 Nos. of Rain water storage tanks proposed having capacity 100 Cum
	Location of the RWH tank(s):	Location Shown on plan
	Quantity of recharge pits:	Not proposed
	Size of recharge pits :	Nil
	Budgetary allocation (Capital cost) :	Rs.10.00 Lacs
	Budgetary allocation (O & M cost) :	Rs. 0.20 Lacs/Annum
	Details of UGT tanks if any :	RWH tank- 200 KLD Flushing water tank- 241 KLD Fire water tank - 200 KLD Domestic water - 268 KLD
35. Storm water drainage	Natural water drainage pattern:	Towards North
	Quantity of storm water:	480 Cum/day
	Size of SWD:	450 mm to 600 mm
Sewage and Waste water	Sewage generation in KLD:	120 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	1 No. of 120 KLD
	Location & area of the STP:	Shown on the plan
	Budgetary allocation (Capital cost):	Rs.40.00 Lacs
	Budgetary allocation (O & M cost):	Rs. 1.56 Lacs/Annum
36. Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Negligible
	Disposal of the construction waste debris:	Handed over to authorized agency
Waste generation in the operation Phase:	Dry waste:	961 Kg/day
	Wet waste:	417 Kg/day
	Hazardous waste:	Negligible
	Biomedical waste (If applicable):	Nil
	STP Sludge (Dry sludge):	7 Kg/day
	Others if any:	NA

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Mode of Disposal of waste:	Dry waste:	Will be managed through recyclers.
	Wet waste:	Biodegradable waste shall be processed in OWC and manure obtained shall be used for gardening/landscaping.
	Hazardous waste:	If any generated shall be handed over to authorized agency
	Biomedical waste (If applicable):	Nil
	STP Sludge (Dry sludge):	Dry sludge shall be used as manure
	Others if any:	NA
Area requirement:	Location(s):	Shown on Plan
	Area for the storage of waste & other material:	25 Sqm
	Area for machinery:	Considered in total area for solid waste management
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 10.00 Lacs
	O & M cost:	Rs. 0.8 Lacs/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

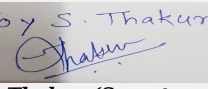
39. Stacks emission Details

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

40. Details of Fuel to be used

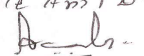
Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable

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 :	-
	No of trees to be cut :	NIL
	Number of trees to be planted :	No. of existing trees- 9 Nos. No. of trees to be planted - 210 Nos
	List of proposed native trees :	List given Below
	Timeline for completion of plantation :	Before completion of the project

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadirachta indica	Neem	20	Evergreen & native avenues roadsides for shade, used as wind break, purifies air
2	Delonix regia	Gulmohor	20	Deciduous tree with orange red flowers, ornamental
3	Ficus rasemosa	Udumbra	20	Evergreen , native, flowering & fruiting tree with medicinal value.
4	Mangifera indica	Mango	20	Evergreen fruting tree with medicinal value
5	Gmelina arborea	Gamhar	20	Deciduous, fast growing, flowering with medicinal value.
6	Syzygium cumini	Jamun	20	Evergreen native flowering & fruiting tree.
7	Phyllanthus emblica	Awla	20	Evergreen fruiting tree with medicinal value
8	Terminalia tomentosa	Asan	20	Deciduous tree with medicinal value
9	Terminalia arjuna	Arjun	30	Deciduous tree with medicinal value, white flowers
10	Pongamia pinnata	Karanja	20	It is a medium sized glabrous, perrenial

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)	100 KW
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	5286 KW
	During Operation phase (Demand load):	3440 KW
	Transformer:	1250 KVA- 1No, 1000 KVA- 1 No, 630 KVA- 3 No, 500 KVA- 2 No
	DG set as Power back-up during operation phase:	1250 KVA- 2 No
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48. Energy saving by non-conventional method:

Power Capacitors are proposed for Common services load power factor correction and to maintain a healthy power situation.

The common area lighting are proposed to work on high energy efficient lamps LED type.

Street lighting is proposed with energy efficient LED fittings.

Lifts are proposed with regenerative drives.

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Byusing LED light in common area	30%
2	VFD for lifts & high efficient pumps	30%
3	Energy efficient Ventillation fans	15 %

50. Details of pollution control Systems

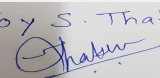
Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 650 Lacs
	O & M cost:	Rs. 50 Lacs/Annum

51. Environmental Management plan Budgetary Allocation

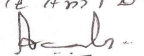
a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water Sprinkling	Air pollution control	2
2	Health, Safety & First Aid Facility	Health & Safety of labour	5

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3	Sanitary Facility & First Aid Management	Health y of safety of labour	10
4	Environmental Monitoring	Pollution monitoring & control	6

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Rain Water Harvesting	Rain water harvesting pits	10.0	0.2
2	Solid waste management	In Situ Composting	10	0.8
3	Waste water Management	Sewage treatment plant	40	1.56
4	Energy Conservation	Conservation of energy	650	50
5	Landscaping	Trees plantation & landscape development	5.0	1.0
6	Environmental Monitoring	Pollution control & mitigation	0.0	2.0

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

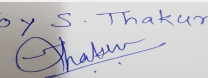
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

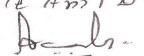
53.Traffic Management

Nos. of the junction to the main road & design of confluence:	3 nos
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Parking details:	Number and area of basement:	2 basements of area 21301.02 Sqm
	Number and area of podia:	NIL
	Total Parking area:	9920.7 Sqm
	Area per car:	11.5 Sqm
	Area per car:	11.5 Sqm
	Number of 2-Wheelers as approved by competent authority:	1338 Nos
	Number of 4-Wheelers as approved by competent authority:	564 Nos
	Public Transport:	NA
	Width of all Internal roads (m):	6 M wide internal road
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8(a)
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

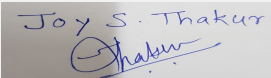
SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorisred in brief information of Project as below.

Brief information of the project by SEAC

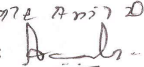
PP submitted their application for amendment in earlier Environmental clearance for total plot area of 16784.6 m², BUA of 81244.15 m² and FSI area of 41922.25 m².

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


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SEAC-III)**

DECISION OF SEAC

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

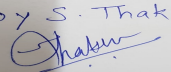
Specific Conditions by SEAC:

- 1) PP to submit and upload details regarding mandatory RG area on virgin land along with the drawing and calculations.

FINAL RECOMMENDATION

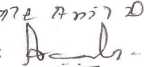
SEAC-III have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions

SEAC-AGENDA-00000000160

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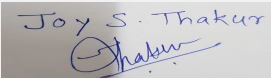
Agenda for 75th meeting of SEAC-3 (Day-3)

SEAC Meeting number: 75 Meeting Date November 3, 2018

Subject: Environment Clearance for Proposed expansion of Residential and Commercial Project situated at S.NO.69/5B/2, 69/8/1 & 70/1 TO 17A/1, plot NO 2, Kothrud, Pune. Maharashtra by Kumar Beharay Properties LLP

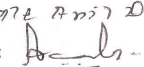
Is a Violation Case: No

1.Name of Project	Residential and Commercial Project situated at S.NO.69/5B/2, 69/8/1 & 70/1 TO 17A/1, plot NO 2, Kothrud, Pune. Maharashtra by Kumar Beharay Properties LLP
2.Type of institution	TOR
3.Name of Project Proponent	Kumar Beharay Properties LLP
4.Name of Consultant	M/s. Enviro Analysts & Engineers Pvt. Ltd.
5.Type of project	Residential and Commercial Project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in existing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Prior Environmental clearance vide SEAC-2010/CR 727/TC-2 dated 26-12-2011
8.Location of the project	At S.NO.69/5B/2, 69/8/1 & 70/1 TO 17A/1, Plot No 2,
9.Taluka	Haveli
10.Village	Kothrud
Correspondence Name:	Kumar Beharay Properties LLP
Room Number:	-
Floor:	3rd Floor
Building Name:	Construction House, 796/189-B
Road/Street Name:	Bhandarkar Road
Locality:	Deccan Gymkhana
City:	Pune
11.Area of the project	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Sanctioned layout from Pune Municipal Corporation
	IOD/IOA/Concession/Plan Approval Number: 2806/14
	Approved Built-up Area: 209911
13.Note on the initiated work (If applicable)	Building J, K, L, C having configuration P +15 along with 2 levels of parking and having construction area = 53170.81 sqm has been completed and clubhouse, building A& B having construction area 18066.04 sqm is under construction as per EC received dated 26.12.2011 for construction area 107068.11 sqm
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	CC received vide letter No. 2806/14 Dated : 17/12/2014 , OC received for C, J, K & L, Water permission received form PMC
15.Total Plot Area (sq. m.)	76199.25 Sq.m
16.Deductions	8702.00 sq.m
17.Net Plot area	67497.25 Sq.m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 110433.60
	b) Non FSI area (sq. m.): 99477.58
	c) Total BUA area (sq. m.): 209911.18
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 110433.60
	Approved Non FSI area (sq. m.): 99477.58
	Date of Approval: 17-12-2014
19.Total ground coverage (m2)	33308.40
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	44 %
21.Estimated cost of the project	2070000000


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22. Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	9 buildings	P + 15	49.60
2	10 buildings	P+ P + 15	49.60
3	Unit 1-10	G + 1 Floors	9.00
4	Commercial building	P + Ground	5.10
5	Club House	G + 1 Floor	7.80

23. Number of tenants and shops	Total No. of Flats: 1150 Nos. Total No. of Shops: 28 Nos.
24. Number of expected residents / users	Residents : 5750 Nos Shops: 275 Nos. Total -6025
25. Tenant density per hectare	170
26. Height of the building(s)	
27. Right of way (Width of the road from the nearest fire station to the proposed building(s))	18.00 Mt wide DP road
28. Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.0 Mt
29. Existing structure (s) if any	-
30. Details of the demolition with disposal (If applicable)	Not Applicable

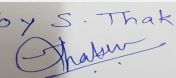
31. Production Details

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

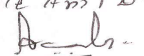
 Joy S. Thakur (Secretary SEAC-III)	SEAC Meeting No: 75 Meeting Date: November 3, 2018	Page 22 of 64	Name: K. Anil Kale  Shri. Anil Kale (Chairman SEAC-III)
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Dry season:	Source of water	PMC							
	Fresh water (CMD):	523							
	Recycled water - Flushing (CMD):	266							
	Recycled water - Gardening (CMD):	60							
	Swimming pool make up (Cum):	10							
	Total Water Requirement (CMD) :	849							
	Fire fighting - Underground water tank(CMD):	660							
	Fire fighting - Overhead water tank(CMD):	180							
	Excess treated water	241							
Wet season:	Source of water	PMC							
	Fresh water (CMD):	523							
	Recycled water - Flushing (CMD):	266							
	Recycled water - Gardening (CMD):	00							
	Swimming pool make up (Cum):	10							
	Total Water Requirement (CMD) :	789							
	Fire fighting - Underground water tank(CMD):	660							
	Fire fighting - Overhead water tank(CMD):	180							
	Excess treated water	301							
Details of Swimming pool (If any)	Rectangular pool area- 112 sqm , water depth - 1.17 m								
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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 Shri. Anil Kale (Chairman SEAC-III)

34.Rain Water Harvesting (RWH)	Level of the Ground water table:	9m to 25m below ground level
	Size and no of RWH tank(s) and Quantity:	1x 65 cum
	Location of the RWH tank(s):	Ground
	Quantity of recharge pits:	22 No's of Percolation Pits
	Size of recharge pits :	1.5 m x 3.0 m
	Budgetary allocation (Capital cost) :	22 lakhs
	Budgetary allocation (O & M cost) :	2.0 Lakhs
	Details of UGT tanks if any :	Domestic Water Tank 519 cum Flushing Water Tank 261 cum Fire Water Tank 660 cum Rain Water Harvesting Tank 65 cum
35.Storm water drainage	Natural water drainage pattern:	towards east side of the plot
	Quantity of storm water:	0.98 cum/sec
	Size of SWD:	0.60 x 0.65 m
Sewage and Waste water	Sewage generation in KLD:	631 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	3 nos of STP having cumulative capacity of 710 KLD (300 KLD existing)
	Location & area of the STP:	Ground Level
	Budgetary allocation (Capital cost):	1.5 Crore
	Budgetary allocation (O & M cost):	15 lakhs/annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Empty Cement Bags, Steel, sand, packaging Material, Aggregates
	Disposal of the construction waste debris:	1. Empty cement bags Use of bulkers eliminates cement bags 2.Steel Steel cut pieces shall be used as spacers and chairs in the structure and wastage of steel (balance non usable steel of odd lengths) is sent for recycling . 3.Sand Wastage of sand will be used for bedding for flooring purpose. They shall also be used for backfilling and filler material for levelling of internal roads and pavements.4. Packaging material To be sent for recycling. 5. Aggregates Shall be used in road pavement an
Waste generation in the operation Phase:	Dry waste:	1198 Kg/day
	Wet waste:	1746 kg/day
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	35 kg/day
	Others if any:	E- waste will be handed over to MPCB authorized dealers
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Mode of Disposal of waste:	Dry waste:	Handed over to authorize recycler for further handling and disposal.
	Wet waste:	Will be converted to compost using Mechanical composter
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	shall be used as a manure
	Others if any:	E- waste will be handed over to MPCB authorized dealers
Area requirement:	Location(s):	Ground
	Area for the storage of waste & other material:	125 Sq.m
	Area for machinery:	6.0 sq.m
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	18 Lakhs
	O & M cost:	3.6 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

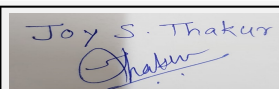
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

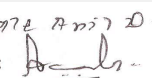
40. Details of Fuel to be used

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 :	RG on ground -7702sq.mt
	No of trees to be cut :	8
	Number of trees to be planted :	750 No's
	List of proposed native trees :	Same as below
	Timeline for completion of plantation :	By the end of construction phase

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

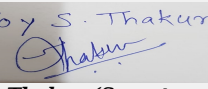
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Adina cordofolia	Haldu	24	flowering plant
2	Albizia lebbbeck	Siris tree	30	Evergreen tree
3	Alstonia scholaris	devil tree	47	Evergreen tree
4	Azadirachta indica	Neem	45	Medicinal tree
5	Bauhinia purpurea	Purple orchid tree	52	flowering plant
6	Bauhinia racemosa	apta	26	Medicinal tree
7	Butea monosperma	flame-of-the-forest	25	flowering plant
8	Cassia fistula	Golden shower tree	34	flowering plant
9	Cocus nucifera	coconut tree	15	Fruit bearing
10	Ficus amplissima	Chinese Banyan	4	Evergreen tree
11	Grewia tiliaefolia	Dhamani	25	Evergreen tree
12	Hardwckia binata	Anjan	25	Evergreen tree
13	Khaya grandis	Tondli	19	Fruit bearing
14	Lagerstromia reginea/ Speciosa	Pride of India	34	flowering plant
15	Madhuka longifolia	Mahua	15	flowering plant
16	Mangifera indica	Mango	75	Fruit bearing
17	Michelia champaka	Champa	11	Evergreen tree
18	Mimusops elengi	Spanish cherry	12	Evergreen tree
19	Pterocarpus marsupium	bibla	34	Evergreen tree
20	Pterospermum acerifolium	Kanak Champa	18	Evergreen tree
21	Populus spp	Cottonwood	24	flowering plant
22	Saraca indica	Ashoka tree	16	Evergreen tree
23	Schleichera oleosa	gum lac tree	51	Evergreen tree
24	Schrebera sweitenioides	Mokha	29	Evergreen tree
25	Sterculia urens	ghost tree	25	Evergreen tree
26	Terminalia arjuna	arjun tree	21	Evergreen tree
27	Zizyphus mauritiana	Chinese date	14	Evergreen tree

45.Total quantity of plants on ground

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

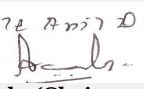
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Serial Number	Name	C/C Distance	Area m2
1	Plumeria alba	3.00	-
2	Bignoniaj megapotamica	3.00	-
3	Cordia S bestena	3.00	-
4	Lagerstroemia flos reginae	3.00	-
5	Cassia fistula	3.00	-
6	Tabebuia rosea	3.00	-
7	Michelia champaca	3.00	-
8	Plumeria rubra	3.00	-
9	Bauhinia tomentosa	3.00	-
10	Bakul	3.00	-
11	Parijatak	3.00	-
12	Lagerstroemia thorelli	3.00	-
13	Bauhinia blackiana	3.00	-
14	Plumbago capansis blue	0.30	-
15	Tecoma rosea	0.30	-
16	Spider lily green	0.30	-
17	Stachytarpheta pink	0.30	-
18	Stachytarpheta blue	0.30	-
19	Lantana camara white	0.15	-
20	Jatropha variegated	0.30	-
21	Oleander dwarf pink	0.30	-
22	Rose red	0.30	-
23	Rose white	0.30	-
24	Aboli	0.30	-
25	Hibiscus viceroy red	0.45	-
26	Allamanda dwarf yellow	0.30	-
27	Mussaenda red	0.45	-
28	Kamini	0.45	-
29	Tagar single	0.45	-
30	Lantana red dwarf	0.15	-
31	Hamelia patens dwarf	0.30	-
32	Oleander single red	0.45	-
33	Hibiscus lafrance pink	0.45	-
34	Ratrani	0.45	-
35	Sontakka	0.45	-
36	Mogra	0.30	-
37	Mogramadanban	0.30	-
38	-Henna	0.45	-
39	-Adulsa	0.45	-
40	Lemon grass	0.45	-
41	Tulsi	0.30	-
42	Guggul	0.30	-

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43	Mint	0.30	-
44	Ginger	0.30	-
45	Citronella grass	0.45	-
46	Ixora hybrid pink	0.30	-

47. Energy

Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	500 kVA
	DG set as Power back-up during construction phase	82.5 kVA
	During Operation phase (Connected load):	17166 kW
	During Operation phase (Demand load):	3724 kW
	Transformer:	8 x 630 kVA
	DG set as Power back-up during operation phase:	2 x 400 kVA & 1x 250 kVA
	Fuel used:	HSD
Details of high tension line passing through the plot if any:	Not Applicable	

48. Energy saving by non-conventional method:

Energy efficient LED's which give approx. 30% more light output for the same watts consumed and therefore require less nos. of fixtures

- Provision of solar panels for common area lighting
- Maintaining the power factor between 0.95 lag and 0.98 lag for common area loads.
- Maintaining lighting power density as per ECBC standard in common areas and recreation facility.
- Astronomical switching of outdoor lighting.
- Proposing use of VFD's (Variable Frequency Drive) for all motors used in lifts and use of high efficiency pumps for Plumbing, Firefighting system.

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Energy Saving	7.5 %

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:	70.0 Lakhs
	O & M cost:	5.0 Lakhs

51. Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air environment	Water Sprinkling, Green Belt Development, Covered storage area	15.0
2	Noise Environment	Site Baricades and Green Belt Developments	12.0
3	Water Environment	Modular STP , Drainage with sedimentation tanks	10.0
4	Good Health Practices	Site Sanitation & Health Care	12.0
5	Environment Monitoring	Air, water ,noise soil monitoring during construction phase	14.0

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Rain Water harvesting	percolation pits and Tank	22.0	2.0
2	Solid Waste management	Mechanical Composter, waste segregation	18.0	3.6
3	Waste water Management	Sewage Treatment Plant	150.0	15
4	Landscaping	Tree Plantation	49.0	5.0
5	energy saving	solar and other energy efficient appliances	70.0	5.0

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

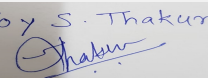
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

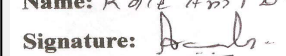
53.Traffic Management

Nos. of the junction to the main road & design of confluence:	Access from 18.00 M wide Dp road (appropriate no. of entry and exit)
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Parking details:	Number and area of basement:	Not Applicable
	Number and area of podia:	2 No's podium 41245.17 sq.m
	Total Parking area:	62600.87 sqm
	Area per car:	30.00 sqm
	Area per car:	30.00 sqm
	Number of 2-Wheelers as approved by competent authority:	2899
	Number of 4-Wheelers as approved by competent authority:	1405
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	6.0
CRZ/ RRZ clearance obtain, if any:	Not Applicable	
Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable Not within 15.0 km from project boundary	
Category as per schedule of EIA Notification sheet	8 (b) B1	
Court cases pending if any	None	
Other Relevant Informations	Building J, K,L, C having configuration P +15 along with 2 levels of parking and having construction area = 53170.81 sqm has been completed and clubhouse , building A& B having construction area 18066.04 sqm is going on as per EC received dated 26.12.2011 for construction area 107068.11 sqm	
Have you previously submitted Application online on MOEF Website.	Yes	
Date of online submission	22-05-2018	

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for Proposed expansion of Residential and Commercial Project situated at S.NO.69/5B/2, 69/8/1 & 70/1 TO 17A/1, plot NO 2, Kothrud, Pune. by Kumar Beharay Properties LLP.

DECISION OF SEAC

 Joy S.Thakur (Secretary SEAC-III)	SEAC Meeting No: 75 Meeting Date: November 3, 2018	Page 30 of 64	Name: K. Anil Kale  Shri. Anil Kale (Chairman SEAC-III)
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PP remained absent .

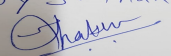
SEAC decided to defer the proposal

Specific Conditions by SEAC:

FINAL RECOMMENDATION

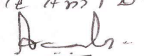
Kindly find SEIAA decision above.

SEAC-AGENDA-00000000160

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Signature: 
Shri. Anil Kale (Chairman
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Agenda for 75th meeting of SEAC-3 (Day-3)

SEAC Meeting number: 75 Meeting Date November 3, 2018

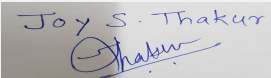
Subject: Environment Clearance for Proposed Residential Project

Is a Violation Case: No

1.Name of Project	Proposed Residential Project
2.Type of institution	Private
3.Name of Project Proponent	Mrs. Swati Sachin Khinvasara
4.Name of Consultant	Pollution & Ecology Control Services Near Dhantoli Police Station, Dhantoli, Nagpur
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Gat No. 1539 (P) + 1541 (P)
9.Taluka	Shirur
10.Village	Saradwadi
Correspondence Name:	187/188 Near Bhavkar Garage Lane, Shivajinagar, Pune-05
Room Number:	187/188
Floor:	-
Building Name:	-
Road/Street Name:	Bhavkar Garage lane
Locality:	Shivajinagar
City:	Pune
11.Area of the project	Other Area
12.IOD/IOA/Concession/Plan Approval Number	In conformity with Development Control Rules
	IOD/IOA/Concession/Plan Approval Number: No
	Approved Built-up Area: 14817.35
13.Note on the initiated work (If applicable)	Building B constructed as per earlier sanction
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	No
15.Total Plot Area (sq. m.)	15200
16.Deductions	1501.65
17.Net Plot area	13698.35
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 14817.35
	b) Non FSI area (sq. m.): 7513.86
	c) Total BUA area (sq. m.): 22331.21
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.):
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	2990.7
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	0.22
21.Estimated cost of the project	375000000

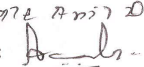
22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
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1	WING - A	G/P+5	19
2	WING - B	P+5	17.7
3	WING - C	P+5	17.7
4	WING - D	P+5	17.7
5	WING - E	P+5	17.7
6	WING - F	P+5	17.7
7	WING - G	P+5	17.7
8	WING - G	P+5	17.7

23.Number of tenants and shops	No. of Tenents- 310 No of Shops- 7 No. of Offices- 44
24.Number of expected residents / users	Expected Residents- 1550 Expected users- 507
25.Tenant density per hectare	227
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	18 M
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Min 4.5 m
29.Existing structure (s) if any	Building B constructed as per previous sanction
30.Details of the demolition with disposal (If applicable)	Not Applicable

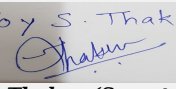
31.Production Details

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

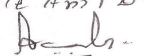
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Dry season:	Source of water	Grampanchayat Saradwadi							
	Fresh water (CMD):	149.64							
	Recycled water - Flushing (CMD):	82.43							
	Recycled water - Gardening (CMD):	8.22							
	Swimming pool make up (Cum):	0							
	Total Water Requirement (CMD) :	240.29							
	Fire fighting - Underground water tank(CMD):	200							
	Fire fighting - Overhead water tank(CMD):	70							
	Excess treated water	141.41							
Wet season:	Source of water	Grampanchayat Saradwadi							
	Fresh water (CMD):	149.64							
	Recycled water - Flushing (CMD):	82.43							
	Recycled water - Gardening (CMD):	0							
	Swimming pool make up (Cum):	0							
	Total Water Requirement (CMD) :	232.07							
	Fire fighting - Underground water tank(CMD):	200							
	Fire fighting - Overhead water tank(CMD):	70							
	Excess treated water	149.64							
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	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

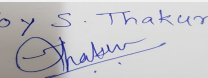
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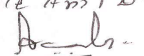
Name: K. Anil Kale

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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	12 Mtr
	Size and no of RWH tank(s) and Quantity:	1 No. of 70 Cum of Raw water tank
	Location of the RWH tank(s):	Raw water UGT
	Quantity of recharge pits:	12 Cum
	Size of recharge pits :	2 X 2 X 3
	Budgetary allocation (Capital cost) :	1.95
	Budgetary allocation (O & M cost) :	0.08
	Details of UGT tanks if any :	Residential UGT - 249 Cum Commercial UGT- 23 Cum
35.Storm water drainage	Natural water drainage pattern:	South to North
	Quantity of storm water:	6850 Cum
	Size of SWD:	450 mm to 600 mm
Sewage and Waste water	Sewage generation in KLD:	240.29
	STP technology:	MBBR
	Capacity of STP (CMD):	220 Cum- 1 no 24 Cum- 1 No
	Location & area of the STP:	As shown on Plan
	Budgetary allocation (Capital cost):	33.0
	Budgetary allocation (O & M cost):	3.63
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Dry waste- 3.5 Kg/D Wet Waste- 3.5 Kg/D
	Disposal of the construction waste debris:	The construction debris shall be disposed on site as far as possible in back filling, leveling, by preserving top soil for gardening and excess shall be disposed as per the directions from the authority
Waste generation in the operation Phase:	Dry waste:	360.7 Kg/D
	Wet waste:	490.35 Kg/D
	Hazardous waste:	Negligible
	Biomedical waste (If applicable):	Nil
	STP Sludge (Dry sludge):	21.96 Kg/D
	Others if any:	Nil

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Mode of Disposal of waste:	Dry waste:	Through authorised agency
	Wet waste:	In-situ by Composting
	Hazardous waste:	Through authorised agency
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	In-situ by Composting
	Others if any:	If Any , through authorized agency
Area requirement:	Location(s):	As shown on the Plan
	Area for the storage of waste & other material:	24.5 sqm
	Area for machinery:	24.5 Sqm
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	10.8
	O & M cost:	2

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

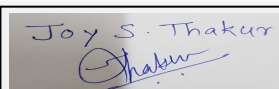
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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

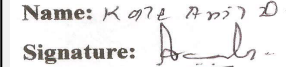
40. Details of Fuel to be used

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 :	1369.83
	No of trees to be cut :	0
	Number of trees to be planted :	172
	List of proposed native trees :	Parijatak Kanak Champa Kamini/Kunti Chickoo Lemon Apta Bakul Karanj Tamhan Bahava Pangara
	Timeline for completion of plantation :	Before completion of the project

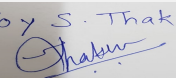
44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Nyctanthes arbor-tristis	Parijatak	16	This Small tree has highly fragrant flowers those attract Bees and Butterflies, Fruits attract Birds.
2	Ochna obtusata	Kanak Champa	16	Native, this shrub has yellow fragrant flowers, Host plant for Butterflies.
3	Murraya paniculatum	Kamini/Kunti	16	Native to Western Ghats, this shrub has fragrant white flowers and dense foliage. It is a host plant for Butterflies.
4	Manilkara zapota	Chickoo	15	This small tree attracts Birds and Bees. Edible Fruit.
5	Citrus limon	Lemon	16	This Shrub is used in everyday Cooking and acts as a host plant for Butterflies.
6	Bauhinia racemosa	Apta	16	Native to Pune, this Shrub has a Religious importance
7	Mimusops elengi	Bakul	16	Native, Evergreen Foliage and Flowering tree has dense branching, hence good for Wind screening. Flowers are deeply fragrant and attracts birds and Bees.
8	Pongamia pinnata	Karanj	16	Native to Pune, this Deciduous White Flowering tree . Attracts Birds and Arboreal Mammals.
9	Lagerstroemia reginae	Tamhan	16	This Purple Flowering plant is the State flower of Maharashtra.
10	Cassia fistula	Bahava	15	This Flowering and Deciduous tree has beautiful Yellow chandeliers in Summers. Good perching site for Birds.
11	Erythrina variegata	Pangara	14	Native to Western Maharashtra, this Reddish-Orange Flowering and Deciduous tree attracts lot of Birds for the Nectar.

45.Total quantity of plants on ground

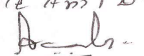
46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
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Joy S. Thakur

Joy S.Thakur (Secretary SEAC-III)

SEAC Meeting No: 75 Meeting Date: November 3, 2018

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Name: K. Anil Kale

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

1	Not applicable	Not Applicable	Not Applicable
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47. Energy

Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	60
	DG set as Power back-up during construction phase	30
	During Operation phase (Connected load):	1291.35
	During Operation phase (Demand load):	1054.21
	Transformer:	630 KVA- 1 No. 315 KVA- 1 No.
	DG set as Power back-up during operation phase:	125 KVA- 1 No. 30 KVA- 1 No
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	No

48. Energy saving by non-conventional method:

1. Solar Water Heater- 31 KLD
2. Solar PV Generation- 11 KWD
3. Solar Street lights- 3.6 KWD

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar Water Heater	0.3 %
2	Solar street Lights	0.26 %
3	Solar PV	1.07 %

50. Details of pollution control Systems

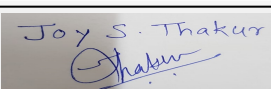
Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	32.22
	O & M cost:	0.65

51. Environmental Management plan Budgetary Allocation

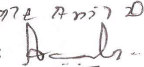
a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Site Sanitation & safety	Health & safety	0.60


Joy S. Thakur (Secretary SEAC-III)

SEAC Meeting No: 75 Meeting Date: November 3, 2018

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Name: K. Anil Kale

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

2	Environment Monitoring	Air, Noise, Water & Soil	1.80
3	Disinfection	Health & Safety	0.50
4	Health Checkup	Health	0.50

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Rain Water Harvesting	Pits	1.95	0.08
2	Sewage Generated	STP	33.00	3.63
3	Solid Waste	Composting	10.8	2
4	Plantation	Trees	8.22	0.42
5	Energy	Non Conventional	32.22	0.65
6	Monitoring	Air, Noise, Soil & Water	0	1.80

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

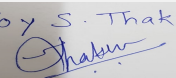
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

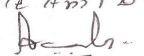
53.Traffic Management

Nos. of the junction to the main road & design of confluence:	One junction with sufficient width provided for incoming and outgoing cars separately to avoid traffic congestion
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Joy S. Thakur

Joy S.Thakur (Secretary SEAC-III)

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Name: K 072 Anil D.

Shri. Anil Kale (Chairman SEAC-III)

Parking details:	Number and area of basement:	0
	Number and area of podia:	0
	Total Parking area:	4556.8
	Area per car:	30
	Area per car:	30
	Number of 2-Wheelers as approved by competent authority:	1444
	Number of 4-Wheelers as approved by competent authority:	92
	Public Transport:	Not Proposed in project
	Width of all Internal roads (m):	Min 4.5
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	No	
Other Relevant Informations	No	
Have you previously submitted Application online on MOEF Website.	No	
Date of online submission	-	

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorisred in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for Proposed Residential Project Gat No. 1539 (P) + 1541 (P), Saradwadi Tal- Shirur by **Mrs. Swati Sachin Khinvasara.**

DECISION OF SEAC

 Joy S.Thakur (Secretary SEAC-III)	SEAC Meeting No: 75 Meeting Date: November 3, 2018	Name: K. Anil Kale  Signature: Shri. Anil Kale (Chairman SEAC-III)
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PP remained absent.

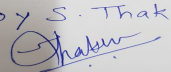
SEAC decided to defer the proposal.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

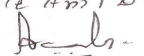
Kindly find SEIAA decision above.

SEAC-AGENDA-00000000160

Joy S. Thakur

Joy S. Thakur (Secretary
SEAC-III)

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

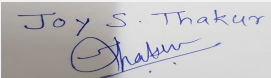
Agenda for 75th meeting of SEAC-3 (Day-3)

SEAC Meeting number: 75 Meeting Date November 3, 2018

Subject: Environment Clearance for Environmental clearance for "SDPL GREEN" Proposed Multi-Family Residential Project at KH. No. 13-15/1 & 2, Mouza Wanjara, Taluka & Nagpur (MS).

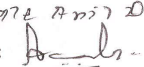
Is a Violation Case: No

1.Name of Project	"SDPL GREEN" Proposed Multi-Family Residential Project at KH. No. 13-15/1 & 2, Mouza Wanjara, Taluka & Nagpur (MS).
2.Type of institution	Private
3.Name of Project Proponent	M/s. Sandeep Dwellers Pvt. Ltd.
4.Name of Consultant	Mr. H.K. Desai M/s. Enviro Analysts & Engineers Pvt. Ltd. Address: B-1003, Enviro House, 10th Floor, Western Edge II, Western Express Highway, Borivali (E), Mumbai - 400066.
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion In existing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	KH. No. 13-15/1 & 2, Mouza Wanjara, Nagpur (MS)
9.Taluka	Nagpur
10.Village	Nagpur
Correspondence Name:	Ar. Rahul Agrawala
Room Number:	NA
Floor:	NA
Building Name:	3C, Gulmohar, Temple road, Civil line, Nagpur - 440001
Road/Street Name:	3C, Gulmohar, Temple road, Civil line, Nagpur - 440001
Locality:	3C, Gulmohar, Temple road, Civil line, Nagpur - 440001
City:	Nagpur - 440001
11.Area of the project	N.M.C. limits / Planning Authority - N.I.T.
12.IOD/IOA/Concession/Plan Approval Number	Plans are approved by NIT
	IOD/IOA/Concession/Plan Approval Number: Plans are approved by NIT Number E.E.(North)/165 dated 16.01.2018
	Approved Built-up Area: 22148.344
13.Note on the initiated work (If applicable)	Existing wing A, Wing B, Wing C, wing D, Wing E, Wing F and Convenience shopping was constructed on plot as per sanction on dated 18.11.2013 of covered area 19750.55 sq. m. and OC was obtained for wing B, wing D and Convenience shopping on dated 5.11.2016.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Plans are approved by NIT
15.Total Plot Area (sq. m.)	16200
16.Deductions	4167.79
17.Net Plot area	12032.03
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 12211.688
	b) Non FSI area (sq. m.): 9936.656
	c) Total BUA area (sq. m.): 22148.344
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.):
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	5380.886 sq m. of plot area
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	33.215 %
21.Estimated cost of the project	337400000


Joy S.Thakur (Secretary SEAC-III)

SEAC Meeting No: 75 Meeting Date: November 3, 2018

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

22. Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Block A: wing A to D	G+7	23.250
2	Block A: wing E & F	G+1	5.850
3	Block B	G+4	14.900
4	Block D	G+2	13.950
5	Club House	G+1	7.950

23. Number of tenants and shops	Flats: 241 nos. & Shops: 33 nos.
24. Number of expected residents / users	1271 nos
25. Tenant density per hectare	169.13
26. Height of the building(s)	
27. Right of way (Width of the road from the nearest fire station to the proposed building(s))	9 M INTERNAL ROAD CONNECTED 24 M wide road
28. Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Minimum 9.0 mt.
29. Existing structure (s) if any	Existing wing A, Wing B, Wing C, wing D, Wing E, Wing F and Convenience shopping was constructed on plot as per sanction on dated 18.11.2013 of covered area 19750.55 sq. m. and OC was obtained for wing B, wing D and Convenience shopping on dated 5.11.2016.
30. Details of the demolition with disposal (If applicable)	NA

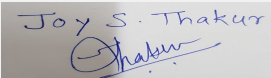
31. Production Details

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

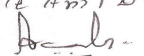
 Joy S. Thakur (Secretary SEAC-III)	SEAC Meeting No: 75 Meeting Date: November 3, 2018	Page 43 of 64	Name: K. Anil Kale  Signature: Shri. Anil Kale (Chairman SEAC-III)
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Dry season:	Source of water	Nagpur Municipal Corporation							
	Fresh water (CMD):	110							
	Recycled water - Flushing (CMD):	56							
	Recycled water - Gardening (CMD):	12							
	Swimming pool make up (Cum):	NA							
	Total Water Requirement (CMD) :	178							
	Fire fighting - Underground water tank(CMD):	25							
	Fire fighting - Overhead water tank(CMD):	25 x 2							
	Excess treated water	62							
Wet season:	Source of water	Nagpur Municipal Corporation							
	Fresh water (CMD):	110							
	Recycled water - Flushing (CMD):	56							
	Recycled water - Gardening (CMD):	0							
	Swimming pool make up (Cum):	NA							
	Total Water Requirement (CMD) :	166							
	Fire fighting - Underground water tank(CMD):	25							
	Fire fighting - Overhead water tank(CMD):	25 x 2							
	Excess treated water	74							
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


Joy S.Thakur (Secretary SEAC-III)

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Name: K. Anil Kale

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

34.Rain Water Harvesting (RWH)	Level of the Ground water table:	5.7 to 6.8 m	
	Size and no of RWH tank(s) and Quantity:	NA	
	Location of the RWH tank(s):	Underground	
	Quantity of recharge pits:	6 Nos.	
	Size of recharge pits :	2.5 M x 7.0	
	Budgetary allocation (Capital cost) :	300000	
	Budgetary allocation (O & M cost) :	60000	
	Details of UGT tanks if any :	Domestic UG Tank Capacity: 60 Cum x 4 nos. Flushing UG tank Capacity : 50 Cum x 2 Fire water tank : 25 Cum	
35.Storm water drainage	Natural water drainage pattern:	The natural slope for drainage is from North East to South West direction.	
	Quantity of storm water:	608.26 mm/hr	
	Size of SWD:	250, 300 & 450 mm Ø (Pipe size)	
Sewage and Waste water	Sewage generation in KLD:	144	
	STP technology:	Phytorid	
	Capacity of STP (CMD):	160 (Existing 115 Phytorid & Proposed 45 Phytorid)	
	Location & area of the STP:	On ground 202 sq. m.	
	Budgetary allocation (Capital cost):	6000000	
	Budgetary allocation (O & M cost):	300000	
36.Solid waste Management			
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Construction phase waste: Excavated material 14035 Cum : Used in back filling 9824.5 Cum(70 %) and rest will be use for leveling and landscaping 4210.5 Cum (30%), Empty Cement/Putty Bags: 73362 Nos : To be sold to vendor, Aggregates: 2191 cft. : Reuse on site for making road, Scrap: 19 MT : To be sold to Recycler, Empty paint cans (20 lit per can): 35 nos. :To be sold to vendor, Waste Tiles: 790 sq.m. : Broken pieces will be used for china mosaic waterproofing of terraces.	
	Disposal of the construction waste debris:	Construction debris like sand, soil, bricks, tiles will recycled and utilized for levelling and surplus will be disposed off at authorized site as per norms. Top soil will be preserved for landscaping.	
Waste generation in the operation Phase:	Dry waste:	253 kg/day	
	Wet waste:	367 kg/day	
	Hazardous waste:	NA	
	Biomedical waste (If applicable):	NA	
	STP Sludge (Dry sludge):	very negligible will be used as manure.	
	Others if any:	NA	
Joy S.Thakur (Secretary SEAC-III)	SEAC Meeting No: 75 Meeting Date: November 3, 2018	Page 45 of 64	Shri. Anil Kate (Chairman SEAC-III)

Mode of Disposal of waste:	Dry waste:	will be hand over to recycler
	Wet waste:	will Composted using organic waste converter
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Use as a Manure
	Others if any:	NA
Area requirement:	Location(s):	On fround
	Area for the storage of waste & other material:	36 sq.m.
	Area for machinery:	3 sq.m.
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	1200000
	O & M cost:	200000

37.Effluent Charecterestics

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

38.Hazardous Waste Details

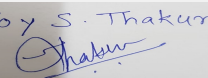
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

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

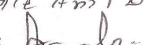
40.Details of Fuel to be used

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

Joy S. Thakur

 Joy S.Thakur (Secretary SEAC-III)

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Name: K. Anil Kale

 Shri. Anil Kale (Chairman SEAC-III)

43.Green Belt Development	Total RG area :	2430.30 sq. m.
	No of trees to be cut :	NA
	Number of trees to be planted :	122 nos.
	List of proposed native trees :	Azadirachta indica 14, Delonix regia 12, Ficus racemosa 12, Mangifera indica 12, Gmelina arborea 12, Syzygium cumini 12, Phyllanthus emblica 12, Terminalia Tomentosa 12, Terminalia arjuna 12, Pongamia pinnata 12.
	Timeline for completion of plantation :	At the end of the construction

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadirachta indica	Neem	14	Evergreen & native avenues roadsides for shade, used as windbreak, purifies air.
2	Delonix regia	Gulmohar	12	Deciduous tree with orange; red flowers, ornamental
3	Ficus racemosa	Udumbar	12	Evergreen, Native, flowering and fruiting tree with medicinal value.
4	Mangifera indica	Mango	12	Evergreen, fruiting tree with medicinal value
5	Gmelina arborea	Gamhar	12	Deciduas, fast growing , flowering with medicinal value.
6	Syzygium cumini	Jamun	12	Evergreen, Native, flowering and fruiting tree
7	Phyllanthus emblica	Awla	12	Evergreen, fruiting tree with medicinal value
8	Terminalia Tomentosa	Asan	12	Deciduous tree with medicinal value
9	Terminalia arjuna	Arjun	12	Deciduous tree with medicinal value, white flowers
10	Pongamia pinnata	Karanja	12	It is a medium sized glabrous, perennial tree, flower and seeds of this plant also have medicinal properties

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

 Joy S.Thakur (Secretary SEAC-III)	SEAC Meeting No: 75 Meeting Date: November 3, 2018	Page 47 of 64	Name: K. Anil Kale  Shri. Anil Kale (Chairman SEAC-III)
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Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	100 KW
	DG set as Power back-up during construction phase	25 KVA
	During Operation phase (Connected load):	1123 KW
	During Operation phase (Demand load):	765 KW
	Transformer:	1 x 630 & 1 x 500 KVA
	DG set as Power back-up during operation phase:	1 No. of 82.5 KVA
	Fuel used:	DIESEL
	Details of high tension line passing through the plot if any:	NA

48. Energy saving by non-conventional method:

LED Light will be provided for Common Area & Lift Lobby , lift with VFDs will be provided, Saving in Plumbing pump by using high Eff Pumps, Saving Due To Grid Connected 15 KW Solar Power ,

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	LED Light for Common Area & Lift Lobby	Unit saved 75.75 KW (55%)
2	Saving in lift by using VFD	Unit saved 172.8 KW (20%)
3	Saving in Plumbing pump by using high Eff Pumps(water lifting+STP) (10 kwh STPx8+16.41kwh pumpx6 hr)	Unit saved 142.76 KW (20%)
4	Saving Due To Grid Connected 15 KW Solar Power	Unit saved (100%)

50. Details of pollution control Systems

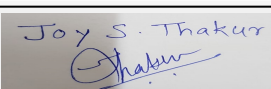
Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	192
	O & M cost:	16.2

51. Environmental Management plan Budgetary Allocation

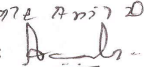
a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water Sprinkling	Dust Supression	2
2	Health, Safety & First Aid Facility	For labors and employees	5


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Name: K. Anil Kale

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

3	Sanitary facility and Wastewater Management	For labors and employees	10
4	Environmental Monitoring as per stipulation in EC and Consent.	Air, Water,waste water, Soil and Noise	6

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Rain Water Harvesting	Recharge pits will be provided	3	0.6
2	Municipal Solid Waste Management	OWC will be provided	12	2
3	Wastewater Management (STP)	STP will be provided	60	3
4	Energy Conservation	Solar power, CFL,LED lights , energy efficient motors will be provided	81	1.60
5	Landscaping	122 will be planted on project site	36	7
6	Environmental Monitoring	Air, Water,waste water, Soil and Noise	0	2

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

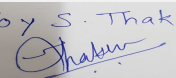
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

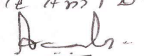
53.Traffic Management

Nos. of the junction to the main road & design of confluence:	9 M INTERNAL ROAD CONNECTED 24 M wide road
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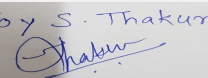
Joy S. Thakur

Joy S.Thakur (Secretary SEAC-III)

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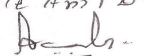
Name: *Kale Anil D.*
Signature: 
Shri. Anil Kale (Chairman SEAC-III)

Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	9429 sq.m.
	Area per car:	25 sq.m.
	Area per car:	25 sq.m.
	Number of 2-Wheelers as approved by competent authority:	Scooters 581 nos. & Cycles 581 nos.
	Number of 4-Wheelers as approved by competent authority:	Car 165 nos.
	Public Transport:	Project comes under urban area all transport facility is available like Bus, Auto etc.
	Width of all Internal roads (m):	9.0 m wide.
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	Category B, schedule 8(a)
	Court cases pending if any	NO
	Other Relevant Informations	THIS IS A CONSTRUCTION PROJECT AND WE WILL MAINTAINED THE ENVIRONMENTAL QUALITY AT THE TIME OF CONSTRUCTION AND OPERATION PHASE.
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-
SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS		
Summorisred in brief information of Project as below.		
Brief information of the project by SEAC		

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

Environment Clearance for Environmental clearance for "SDPL GREEN" Proposed Multi-Family Residential Project at KH. No. 13-15/1 & 2, Mouza Wanjara, Taluka & Nagpur (MS). By M/s. Sandeep Dwellers Pvt. Ltd

PP submitted their application for prior Environmental clearance for total plot area of 16200 Sq. Mtrs, BUA of 22148.344 Sq. Mtrs and FSI area of 12211.688 Sq. Mtrs. PP proposes to construct 4 no. residential building (wings) & 1 club house.

DECISION OF SEAC

PP remained absent.

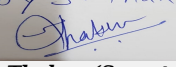
Committee decided to defer the proposal .

Specific Conditions by SEAC:

FINAL RECOMMENDATION


Kindly find SEIAA decision above.

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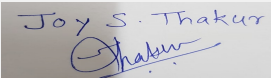
Agenda for 75th meeting of SEAC-3 (Day-3)

SEAC Meeting number: 75 Meeting Date November 3, 2018

Subject: Environment Clearance for PHASE 1 - SAFFRON TRANQUIL LANDSCAPES, PHASE 2 - SAFFRON LANDSCAPES PHASE 3 - SAFFRON LANDMARKS

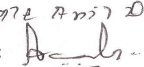
Is a Violation Case: No

1.Name of Project	PHASE 1 - SAFFRON TRANQUIL LANDSCAPES, PHASE 2 - SAFFRON LANDSCAPES PHASE 3 - SAFFRON LANDMARKS
2.Type of institution	Private
3.Name of Project Proponent	M/s Saffron Associates
4.Name of Consultant	M/s. Building Environment (India) Pvt. Ltd
5.Type of project	Group Housing with Commercial (Mix Use)
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	Gut No. 57/P, Beed Bypass, Satara, Aurangabad 431010
9.Taluka	Aurangabad
10.Village	Satara
Correspondence Name:	1. Mr. Anil Munot (Mob-9890688888) 2. Mahesh Labhshetwar (Mob-9422206075)
Room Number:	Office No-14,15
Floor:	Lower Level
Building Name:	City Pride
Road/Street Name:	Jalna Road,
Locality:	Mondha Naka
City:	Aurangabad-431001
11.Area of the project	Aurangabad Municipal corporation
12.IOD/IOA/Concession/Plan Approval Number	Approved layout of Town Planning Municipal Corporation Aurangabad received on dated 23.12.2016. IOD/IOA/Concession/Plan Approval Number: 859/2017-18 Approved Built-up Area: 74501.24
13.Note on the initiated work (If applicable)	A land at Gut no. 57, Village Satara, and Beed bypass road admeasuring 3 H 48 R (34800.00 sq. meters) was purchased out right from private individuals as per the sale deed dated 24th January 2011. • N.A. permission was obtained from authority as per the N.A. order no.280 dated 06 - 12 - 2010. • At first 32 bungalows and four apartment buildings were planned under the name of Saffron tranquil Landscapes and a commencement certificate along with an approved plan was obtained from A.M.C. as per the C.C. no. 319 / 2013-14 dated 08 - 08- 2013. • Construction of bungalows was started in 2014 -15 • It was decided to expand the project and a commercial building was added to the existing plan. The name was changed to Saffron Tranquil Landscapes , Saffron Landscapes & Saffron Landmarks • Saffron Tranquil Landscapes with Bungalow part (25 Bungalow, 1 Clubhouse, 1 Hall), Saffron Landmarks with residential part (4 Apartment, 1 Club House) & Saffron Landscapes with commercia
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Approved layout of Town Planning Municipal Corporation Aurangabad received on dated 23.12.2016.
15.Total Plot Area (sq. m.)	34800.00 m2
16.Deductions	7605.00 m2
17.Net Plot area	27195.00 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 49631.40 m2 b) Non FSI area (sq. m.): 24869.84 m2 c) Total BUA area (sq. m.): 74501.24
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): Approved Non FSI area (sq. m.): Date of Approval:


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19.Total ground coverage (m2)	8914.74
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	32.78 %
21.Estimated cost of the project	950000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Phase 1-Saffron Tranquil Landscapes (Bungalows) -B1	G+2	10.85
2	Phase 1-Saffron Tranquil Landscapes (Bungalows) -B2	G+2	10.85
3	Phase 1-Saffron Tranquil Landscapes (Bungalows) -B3	G+2	10.85
4	Phase 1-Saffron Tranquil Landscapes (Bungalows) -B4	G+2	10.85
5	Phase 1-Saffron Tranquil Landscapes (Bungalows) -E1	G+1	7.60
6	Phase 1-Saffron Tranquil Landscapes (Bungalows) -E2	G+1	7.60
7	Phase 1-Saffron Tranquil Landscapes (Bungalows) -Club House - D3	B+G	4.25
8	Phase - 2 (Saffron Landscapes)-A1	P+7	24.00
9	Phase - 2 (Saffron Landscapes)-A2	P+7	24.00
10	Phase - 2 (Saffron Landscapes)-A3	P+7	24.00
11	Phase - 2 (Saffron Landscapes)-A4	P+7	24.00
12	Phase - 2 (Saffron Landscapes)-Club House - D1	G	4.25
13	Phase - 2 (Saffron Landscapes)-Club House - D2	B+G+1	8.05
14	Phase -3 (Saffron Landmarks)-Commercial	3BP+11Floor	36.00
15	Phase -3 (Saffron Landmarks)-Commercial	3BP+11Floor	36.00

23.Number of tenants and shops	Bungalows - 25 Flats - 112 Showroom - 2 Shop - 150 Commercial Hall - 3 Restaurant - 1 Hotel 7(Each Floor - 01 for Rooms only) Office - 513 Store - 1
24.Number of expected residents / users	Bungalows - 150 Flats - 672 Showroom, Shop, Commercial Hall, Restaurant, Hotel 7(Each Floor - 01 for Rooms only), Office, Store - 3249
25.Tenant density per hectare	299.26
26.Height of the building(s)	

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

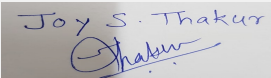
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	Minimum 30.00 mt
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Minimum 6.00 mt wide internal approaches with proper turning radius provided
29.Existing structure (s) if any	Not Applicable
30.Details of the demolition with disposal (If applicable)	Not Applicable

31.Production Details

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

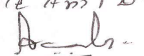
32.Total Water Requirement

Dry season:	Source of water	Aurangabad Municipal corporation
	Fresh water (CMD):	176.94 m3/day
	Recycled water - Flushing (CMD):	95.22 m3/day
	Recycled water - Gardening (CMD):	18.30 m3/day
	Swimming pool make up (Cum):	Ground Floor Pool Volume - 2.86M3 Water Bodies Volume 0.70M3 Residence Building Top Terrace Pool Volume 0.75M3
	Total Water Requirement (CMD) :	290.466 m3/day
	Fire fighting - Underground water tank(CMD):	Commercial 1,50,000 Lit.
	Fire fighting - Overhead water tank(CMD):	Commercial 25,000 Lit., Residential 25,000 Lit (A1, A2 , A3 and each building)
	Excess treated water	117.924 m3/day


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Wet season:	Source of water	Aurangabad Municipal corporation
	Fresh water (CMD):	176.94 m3/day
	Recycled water - Flushing (CMD):	95.22 m3/day
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	Ground Floor Pool Volume - 2.86M3 Water Bodies Volume 0.70M3 Residence Building Top Terrace Pool Volume 0.75M3
	Total Water Requirement (CMD) :	272.16 m3/day
	Fire fighting - Underground water tank(CMD):	Commercial 1,50,000 Lit.
	Fire fighting - Overhead water tank(CMD):	Commercial 25,000 Lit., Residential 25,000 Lit (A1, A2 , A3 and each building)
	Excess treated water	136.22 m3/day

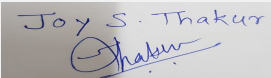
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Details of Swimming pool (If any)	<p>Pool Size: Swimming pool = 236 cum Baby pool = 50 cum Dimension of Swimming Pool: Swimming pool - 19.90 mtr x 9.90 mtr x 1.20 mtr Baby pool - 11.0 mtr x 5.0 mtr x 0.9 mtr Ground Floor Pool Volume - 2.86M3 Water Bodies Volume 0.70M3 Residence Building Top Terrace Pool Volume 0.75M3 Total water Requirement in KLD: Water requirement in KLD: 4.31M3 Details of Plant & Machinery used for treatment of Swimming pool water - Biological 1) Bacteria - Added by bathers most dangerous from nose, throat and festering sores & wounds 2) Algae - in pool water (spores from atmosphere and in main water supply) Physical and Chemical 1) Dissolved pollution like urine, perspiration, body cosmetics, sun tan lotions 2) Suspended pollution like minute chemical particles produced by chemical reactions in water treatment. 3) Surface pollutions like hair, dust, body grease, excreta from nose & throat floating debris, grass. 4) Insoluble pollutions like fluff, dirt (soil, stones) precipitated chemicals Turn Over Rate (As Per European Standard) Semi Public Pool - 4 To 6 Hours Cycle Turn Semi Public : Turn Over Rate 4 To 6 Hours For A Turn Time Required For 100% Purification 20 To 24 Hours. Filtration Flow Rate= (Pool Volume / Turnover Rate) - 60 Cum / Hours Specific Velocity (Rate Of Filtration) - 30 To 40 Cum / Sq.Mt / Hr. Filter - 2 numbers of 900 mtr diameter vertical filter to achieve a total filtration area. MOC and technical specifications of filter - the material of constructions (moc) of the filter is of fiberglass reinforced with polyester, injection molded thermoplastic resin, stainless steel or mild steel. Surge (Balancing) Tank - (2.50 X 4.00 X 2.00)MTR Equipment Room Size - (5.50 X 4.50 X 3.00) MTR Main Drains - S. S. Grates And Polyester Drains With Velocity 0.50 Mtr / Sec With Anti Vortex Lid. Suction Inlets - floor inlets - 7 no's with nozzle flow rate of 9 cum / hr. Overflow Gutter Drain - 5 No's With Capacity Of 7 Cum / Hr. Over Flow Gratings - Pp Stabilized Ladder - 2 no's stainless steel of 43 mm diameter pipe as required on site Details of quality to be achieved for swimming pool water and parameters to be monitored: after commissioning the pool, water would be analyzed and controlled regularly and it would be corrected automatically and immediately, especially the UV & PH. the water quality should always comply with the local health standards. For maintaining pool water always crystal clear and free from bacteria, debris, organisms, algae and viruses that eventually could damage the water quality and cause health hazard. manufacturers, has offered a complete range of chemical products and their corresponding dosing and dispensing systems, to satisfy all possible needs for correctly treating. Methods Of Disinfection Of Pool Water (Process Used For Sanitization To Maintain Chlorine & PH Value): Ozonation / U.V.</p>
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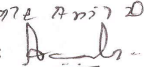
33.Details of Total water consumed

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

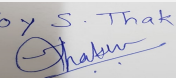

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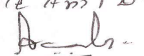
Name: K. Anil Kale
Signature: 
**Shri. Anil Kale (Chairman
SEAC-III)**

34.Rain Water Harvesting (RWH)	Level of the Ground water table:	7m to 9m BGL
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	--
	Quantity of recharge pits:	6 pits
	Size of recharge pits :	2m x 2m x 1.5m
	Budgetary allocation (Capital cost) :	9.00 Lakh
	Budgetary allocation (O & M cost) :	Rs 0.6 Lakh /year
	Details of UGT tanks if any :	Commercial : Drinking UG tank capacity: - 48730 lit Domestic UG tank Capacity: - 73095 lit. Flushing UG tank capacity: - 99260 lit Fire UG tank capacity: - 1, 50,000 lit. Drinking OH tank Capacity -32486.67 lit Domestic OH tank Capacity -48730 lit. Flushing OH tank Capacity: - 64973 lit. Fire OH tank capacity - 10,000 lit. Residential : Drinking UG tank capacity: - 15120 lit Domestic UG tank Capacity: - 90600 lit. Flushing UG tank capacity: - 61860 lit Drinking OH tank Capacity -2520 lit Domestic OH tank Capacity -12600 lit. Flushing OH tank Capacity: - 7560 lit. Fire OH tank capacity - 25000 lit.
35.Storm water drainage		
	Natural water drainage pattern:	--
	Quantity of storm water:	62,000 m3/Year
	Size of SWD:	600 mm x 600 mm
Sewage and Waste water		
	Sewage generation in KLD:	Residential -110 m3/day , Commercial- 146 m3/day
	STP technology:	MBBR
	Capacity of STP (CMD):	Residential -120 m3/day , Commercial- 150 m3/day
	Location & area of the STP:	Ground floor
	Budgetary allocation (Capital cost):	Rs.12.15 Lakh
	Budgetary allocation (O & M cost):	Rs. 4.80 Lakh/Year
36.Solid waste Management		

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Waste generation in the Pre Construction and Construction phase:	Waste generation:	25 kg/day
	Disposal of the construction waste debris:	Use for Leveling within the site.
Waste generation in the operation Phase:	Dry waste:	423.54 kg/day
	Wet waste:	635.31 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	1. Residential Building A. 12m3 - Liquid Sludge generation B. 8 kg/per day - Dry Sludge. 2. Commercial Building - A. 15m3 - Liquid Sludge generation B. 12 kg/per day - Dry Sludge.
	Others if any:	--
Mode of Disposal of waste:	Dry waste:	Handover to authorized vender
	Wet waste:	Organic waste convertor
	Hazardous waste:	NA
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Used as Manure after treatment of OWC.
	Others if any:	NA
Area requirement:	Location(s):	Ground
	Area for the storage of waste & other material:	1. Residential Building-91m2 2. Commercial Building-127m2
	Area for machinery:	16 Sq.m
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs 60.0 Lakh
	O & M cost:	Rs 0.6 Lakh/year

37. Effluent Characteristics

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

38. Hazardous Waste Details

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

39. Stacks emission Details

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

40.Details of Fuel to be used

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

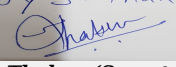
41.Source of Fuel Not applicable

42.Mode of Transportation of fuel to site Not applicable

43.Green Belt Development	Total RG area :	3331.10 m2 i.e. about 12.25 % of net plot area(27195.00 m2)
	No of trees to be cut :	NA
	Number of trees to be planted :	471 nos.
	List of proposed native trees :	471 Nos.
	Timeline for completion of plantation :	2 Year


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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Mimusops elengi	Bakul	23	Medium size evergreen tree. Beautiful white Flowers.
2	Nyctanthes arbor-tristis	Parijatak	11	small deciduous tree. Flowers white with orange petal tube.
3	Cassia Fistula	Bahawa	26	small deciduous tree. Flowers Yellow
4	Putranjiva roxburghii	Putranjiva	15	Small size evergreen tree. Beautiful greenish yellow flower.
5	Lagerstromia speciosa	Tamhan	24	Small to medium sized. Flowers with white to purple petals.
6	Michelia champaca	Sonchafa	10	Large evergreen tree. Flowers yellow.
7	Saraca Ashoka	Seeta Ashok	15	Small size evergreen tree. Flowers reddish orange.
8	citrus sp	Lemon	24	Beautiful host plant.
9	Murraya koengii	Curry leaf/kadipatta	24	Beautiful host plant.
10	Anthocephallus cadmba	Kadamb	5	Large evergreen tree. Flowers Creamish white.
11	murraya paniculata	Kunti	77	small tree, Fragrant white flowers.
12	Bauhinia racemosa	Pivla Kanchan	29	small size deciduous tree. Flowers tree.
13	Tecoma Stans	Tecoma	14	--

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

14	Alstonia Scholaris	Satvin	10	Shady, large, fast growing, evergreen tree, ball shaped flowers.
15	Plumeria Alba	Chapha Alba	31	--
16	Plumeria Rubra	Chapha Rubra	16	--
17	Plumeria Alba Dwarf	Chapha alba dwarf	5	--
18	Gmelina Arborea	Shivan	13	Fast growing tree with beautiful yellow flower.
19	Ficusretusa	Nandruk	9	Medium size, shady, evergreen tree.
20	Woodyetia bifurcata	Foxtail palm	6	Large palm, steam single, with shallow, close rings of leaf base.
21	Elaeis gumeensis	oil palm	17	--
22	Dypsis Lutescens	Areca Palm	44	--
23	Caryot aurens	Fishtail Palm	11	Tall evergreen tree.
24	Roystonea regia	Date Palm	6	Large palm, steam single, bulging into a bottle shape.
25	phoenix roebelenii	Dwarf Date Palm	6	small palm, steam single, bulging into a bottle shape.
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)	80kw
	DG set as Power back-up during construction phase	100 KVA - 1 No.
	During Operation phase (Connected load):	5776.61 KVA
	During Operation phase (Demand load):	3554.78 KVA
	Transformer:	2 Nos. of Transformers 630KVA x 4Nos. 315KVA x 2Nos.
	DG set as Power back-up during operation phase:	100 KVA - 1 No. & 160 KVA - 1 No.
	Fuel used:	FUEL consumption=21.9 ltrs/hr
	Details of high tension line passing through the plot if any:	No

48.Energy saving by non-conventional method:

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- Energy Saving measures - Sheet Enclosed.
 - Details Calculation & % of saving - Sheet Enclosed.
 - Compliance of the ECBC guideline (YES/NO) (If yes then submit compliance in tabular - Yes & Sheet Enclosed.
 - Budgetary Allocation (Capital Cost & O & M Cost)
- Total Capital Cost : Rs. 25.53 Lakh
Total O & M Cost : Rs.2.553 Lakh / Year

1) Non - Conventional Energy (Solar Water Heating System)

Capital Cost - 7.70 Lakh

O & M Cost Per Annum = Rs. 0.77 Lakh

O & M Cost Per Month = Rs. 0.064 Lakh

2) Non - Conventional Energy (Solar Street Light)

Capital Cost - 17.83 Lakh

O & M Cost Per Annum = Rs. 1.783 Lakh

O & M Cost Per Month = Rs. 0.148 Lakh

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Use of LED lamps for common area (Club House, Landscape.). • Stair-case, Lift lobby, Passage, Parking Area Lightings etc. • Use of Solar Panels for Hot Water. (Solar Panel will not be used for minimum 15 Days during rainy season. Conventional Electric gyser will be used during this period.) • Auto Timer Switches will be provided for Street lights, Garden lights, Parking & staircase Lights & Other Common Area Lights, for saving electrical energy. • Use of LED lamps for common area (Club House, L	Energy Saving Achieved - 257594.37 KWH / Year. • Overall Energy Saving is - 20.45 %.

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:	Rs. 25.53 Lakh
	O & M cost:	Rs.2.553 Lakh / Year

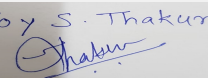
51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air	Erosion control - dust suppression measures and barricading	Rs. 0.8 Lakh
2	Land	Site Sanitation	Rs. 0.25 Lakh
3	Land	Site Safety	Rs.0.7 Lakh
4	Air, water, soil and Bio	Environmental Monitoring	Rs. 0.9 Lakh
5	Socio-economic	Disinfection and Health Check-ups	Rs.0.25 Lakh

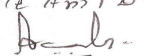
b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	1 STP	Rs. 60 Lakh	Rs 0.6 Lakh / Year

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2	Solid Waste Management	1 unit 1058.85 kg/day	Rs.60 Lakh	Rs.0.6 Lakh/Year
3	Recharge pits	6	Rs. 9 Lakh	Rs 0.6 Lakh / Year
4	Landscaping	471 trees	Rs.6.0 Lakh	Rs.1.0 Lakh / Year
5	Landscaping	471 trees	Rs.6.0 Lakh	Rs.1.0 Lakh / Year
6	Solar System	Use of Solar Panels for Hot Water. (Solar Panel will not be used for minimum 15 Days during rainy season. Conventional Electric gyser will be used during this period.)	Rs. 9.0 Lakh	Rs 0.9Lakh/Year

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

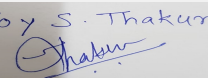
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

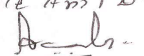
53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	NA
Parking details:	Number and area of basement:	Phase - 1 (Saffron Tranquil Landscapes) - Club House - D3, Phase - 2 (Saffron Landscapes) - Club House - D1, Club House - D2, Phase -3 (Saffron Landmarks) - Commercial
	Number and area of podia:	--
	Total Parking area:	13653.87 m2
	Area per car:	12.5 m2
	Area per car:	12.5 m2
	Number of 2-Wheelers as approved by competent authority:	1632
	Number of 4-Wheelers as approved by competent authority:	522
	Public Transport:	NA
Width of all Internal roads (m):	6.0 m	

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	CRZ/ RRZ clearance obtain, if any:	No
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	Category B
	Court cases pending if any	NA
	Other Relevant Informations	--
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summarised in brief information of Project as below.

Brief information of the project by SEAC

PP submitted their application for Prior Environmental clearance for total plot area of 34800 m², BUA of 74501.24 m² and FSI area of 49631.40 m².

The Committee observed that in 66th meeting of SEAC-3 held on 13.06.2018, the PP was issued ToR as per MoEF& CC Notification dated 14/03/2017 and 8/03/2018. However, the PP informed vide their Architect's certificate dt. 14.12.2017 that they have constructed Total BUA of 16758.50 m² (FSI : 7802.80 m² & non-FSI:8955.70 m²) till date. The Committee decided to appraise this proposal as a **non-violation case** as the construction done by PP is less than 20000 m². Committee may convene a site visit to verify the same.

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

DECISION OF SEAC

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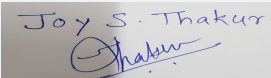
PP requested for time to submit above information; after deliberations committee asked PP to **comply with the above observations** and submit information to the committee for further discussion and consideration of SEAC.

Specific Conditions by SEAC:

- 1) PP to submit latest Certificate from Architect indicating construction carried out on site till date.
- 2) PP to submit details of existing socio-economic infrastructure within vicinity.
- 3) PP to relocate and redesign STP so as to maintain adequate maneuvering space all around and other environmental infrastructures.
- 4) PP to obtain specific NOC from respective competent authorities for laying down sewer line 400 m away from municipal road.
- 5) PP to design sewer line up to municipal road considering the addition of excess treated sewerage from adjoining properties in future. PP to submit calculations and drawings.
- 6) PP to submit revised DMP indicating cost and list of hospitals.
- 7) PP to submit details of CER activities in consultation with the affected people in the project area as per MoEF&CC circular dated 01.05.2018 with details of fund utilization & agreement with executor.
- 8) PP to submit details of internal storm water alignment with details of invert level of chambers within property up to final disposal chamber from municipal road with cross sectional drawings.
- 9) PP to submit site specific EMP.
- 10) PP to submit terrace plan for installing solar panels & calculations of energy saving.
- 11) PP to submit environmental status report.
- 12) PP to submit details of solid waste management.
- 13) PP to submit phase wise development plan considering wind rose diagram along with mitigation measures to avoid inconvenience to resident.
- 14) PP to revise EMP considering cost of laying sewer line.
- 15) PP to submit Geo-hydrological Report along with details of RWH.
- 16) PP to submit debris management plan.
- 17) PP to submit NOCs / undertakings for : (a) Drainage. (b) Sustainable water supply. (c) tree cutting. (d) E-waste disposal. (e) CFO.
- 18) 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.
- 19) Commercial traffic operations and parking shall be totally separated by providing wall or other arrangement.
- 20) PP informed that there are three basements whereas the approved plan clearly shows only two basements. Hence only two basements shall be provided.
- 21) Parking layout plan of both the basements shall be revised by showing the ramp movement directions with slope not less than 1:10.
- 22) PP to submit parking statement indicating required number of parking as per DCR and area per car as per MoEF&CC guidelines.
- 23) PP to submit details of basement ventilation plan.

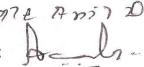
FINAL RECOMMENDATION

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


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

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3, 2018**

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Name: K. Anil Kale

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