

Agenda for 66 th Meeting of SEAC-3

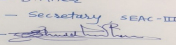
SEAC Meeting number: 66 Meeting Date June 14, 2018

Subject: Environment Clearance for Application for expansion of construction project Atria Grande for Environmental Clearance

Is a Violation Case: No

1.Name of Project	Atria Grande
2.Type of institution	Private
3.Name of Project Proponent	Atria Constructions
4.Name of Consultant	Oasis Environmental Foundation
5.Type of project	Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes vide no. SEAC 2011/CR-981/TC-2 dated 26th November 2012
8.Location of the project	S. No. 2/2/1, 2/1/1, 6/3/4
9.Taluka	Haveli
10.Village	Autade Handewadi
Correspondence Name:	Anil Reddy
Room Number:	440
Floor:	ground
Building Name:	Nanapeth
Road/Street Name:	Nana peth
Locality:	Nanapeth
City:	Pune
11.Area of the project	PMRDA
12.IOD/IOA/Concession/Plan Approval Number	In process
	IOD/IOA/Concession/Plan Approval Number: in process
	Approved Built-up Area: 67463
13.Note on the initiated work (If applicable)	14000 sqm as per sanction plan vide no. PRH/NASR/442/14 dated 12/11/2014 and previous environmental clearance
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	31,973.00 sq.m.
16.Deductions	1309.66 sq.m.
17.Net Plot area	30663.34 sq.m.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 38,271.51
	b) Non FSI area (sq. m.): 34602.28
	c) Total BUA area (sq. m.): 72882.88
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)	11795.47 sq. m.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	38.47 %
21.Estimated cost of the project	85

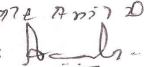
22.Number of buildings & its configuration

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

S.D.Aher (Secretary SEAC-III)

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Name: K. Anil Kale
Signature: 

Shri. Anil Kale (Chairman SEAC-III)

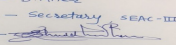
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A (1)	P +11	35.14
2	B (1)	P +11	35.14
3	C (1)	P +11	35.14
4	D (1)	2 P +5	21.00
5	E (1)	P+ 11	35.14
6	F (1)	P +11	35.14
7	G (1)	P +11	35.14
8	Amenity Building	LB +UB+G+3	14.96
9	Club House (2)	G	4.2

23.Number of tenants and shops	568 tenements Shops and offices
24.Number of expected residents / users	Residential: 2828, commercial : 905
25.Tenant density per hectare	250 t /hector
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
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	Slab of building A,B,C, E,F,G
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

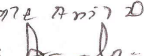
32.Total Water Requirement

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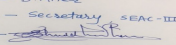
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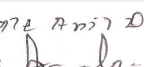

Dry season:	Source of water	Autade Handewadi								
	Fresh water (CMD):	273 KLD								
	Recycled water - Flushing (CMD):	154 KLD + 20 KLD Car Wash = 174 KLD								
	Recycled water - Gardening (CMD):	32 KLD								
	Swimming pool make up (Cum):	NA								
	Total Water Requirement (CMD) :	479 KLD								
	Fire fighting - Underground water tank(CMD):	200 KL								
	Fire fighting - Overhead water tank(CMD):	20 000 Lit								
	Excess treated water	179								
Wet season:	Source of water	Autade Handewadi								
	Fresh water (CMD):	273 KLD								
	Recycled water - Flushing (CMD):	154 KLD + 20 KLD = 174 KLD								
	Recycled water - Gardening (CMD):	Nil								
	Swimming pool make up (Cum):	NA								
	Total Water Requirement (CMD) :	447								
	Fire fighting - Underground water tank(CMD):	200 KL								
	Fire fighting - Overhead water tank(CMD):	20000 lit								
	Excess treated water	211								
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	273	273	Not applicable	27	27	Not applicable	246	246	
Gardening	Not applicable	32	32	Not applicable	32	32	Not applicable	0	0	

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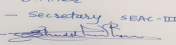
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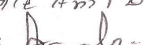

34.Rain Water Harvesting (RWH)	Level of the Ground water table:	40 m
	Size and no of RWH tank(s) and Quantity:	1 tank of capacity 1,00,000 lit
	Location of the RWH tank(s):	Please refer Layout
	Quantity of recharge pits:	17
	Size of recharge pits :	1.8 m. X 1.5 m. X 1.2 m. size.
	Budgetary allocation (Capital cost) :	Rs.10,20,000 /-
	Budgetary allocation (O & M cost) :	Rs. 1,00,000 /- p.a.
	Details of UGT tanks if any :	Domestic UG tank Capacity: 760 KL Treated Water UG tank Capacity: 200 KL Fire UG tank Capacity: 350 KL
35.Storm water drainage	Natural water drainage pattern:	As per contour
	Quantity of storm water:	1189.62 m3/hr
	Size of SWD:	300 mm
Sewage and Waste water	Sewage generation in KLD:	385
	STP technology:	MBBR
	Capacity of STP (CMD):	1 no. 400 KLD
	Location & area of the STP:	Please refer layout
	Budgetary allocation (Capital cost):	Rs. 87,00,000 /-
	Budgetary allocation (O & M cost):	Rs. 16,49,000/- p.a.
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	7488 cum
	Disposal of the construction waste debris:	Land filling on the same site
Waste generation in the operation Phase:	Dry waste:	585 kg/day
	Wet waste:	852 kg/day
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	27 kg/day
	Others if any:	E- waste : 1000 kg/year

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Mode of Disposal of waste:	Dry waste:	Through Authorized vendor
	Wet waste:	Through mechanized composting unit
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Through mechanized composting unit
	Others if any:	E waste: through authorized vendor
Area requirement:	Location(s):	Please refer layout
	Area for the storage of waste & other material:	32 sqm
	Area for machinery:	18.95 sqm
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 19,50,000 /-
	O & M cost:	6,50,000/- p.a.

37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	Not applicable	7 -8.5	6.5-7.5	Not applicable
2	COD	mg/l	300-400	<30	Not to exceed 100 mg/l
3	BOD	mg/l	250-300	<10	Not to exceed 10 mg/l
4	TSS	mg/l	350-450	<5	Not to exceed 50 mg/l
5	O & G	mg/l	10	<5	Not applicable
6	TDS	mg/l	Not applicable	<1000	Not applicable
7	Total Nitrogen	mg/l as N	40-50	<10 or equal	Not applicable
8	Ammonical nitrogen	mg/l	5-7	<2 or equal	Not applicable
9	Total Phosphate	mg/l	5-7	<2 or equal	Not applicable
10	Feacal Coliform	MPN/100	1000000	Nil	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

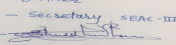
Note on ETP technology to be used Not applicable

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

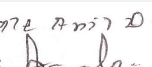
39. Stacks emission Details

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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

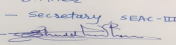
41.Source of Fuel Not applicable

42.Mode of Transportation of fuel to site Not applicable

43.Green Belt Development	Total RG area :	Residential : 3066.33 sqm and for Amenity space : 1149.88 sqm
	No of trees to be cut :	Not applicable
	Number of trees to be planted :	398 proposed and 9 existing Total : 407
	List of proposed native trees :	All trees are native
	Timeline for completion of plantation :	1 year after getting environmental clearance

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

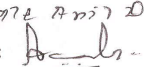
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadiracta indica (Existing)	Neem	9	Medicinal properties
2	Azadiracta indica	Neem	29	Medicinal properties
3	Bauhinia variegata	Kanchan	57	Flowering shed tree
4	Calophyllum inophyllum	Undi	06	Native evergreen tree
5	Mimusops elengi	Bakul	48	Fragrant flooring tree
6	Lagerstroemia flos reginae	Tamhan	44	Official state tree
7	Pterospermum acerifolium	Kanak Champa	20	Pollinated by bats
8	Michelia champaka	Sonchafa	32	Fragrant flowering tree
9	Manikara sapota	Chikoo	03	Fruit bearing tree attracts birds
10	Emblica officinalis	Awala	02	Fruit bearing tree attracts birds
11	Psidium guajava	Peru	03	Fruit bearing tree attracts birds
12	Magnifera indica	Mango	03	Fruit bearing tree attracts birds
13	Butea monosperma	Palash	02	Brilliant seasonal flowering
14	Dillenia indica	Chalta	36	Evergreen shed tree
15	Saraca indica	Sita Ashok	14	small flowering tree
16	Cassia Fistula	Amaltas	09	Brilliant seasonal flowering
17	Plumeria acutifolia	Chafa	11	Temple tree
18	Caryota urens	Fish Tail palm	34	Low leaf tree

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19	Pongamia glabra	Karanj	41	Native evergreen tree
20	Aegle marmelos	Baelpatra	04	Medicinal and religious importance

45.Total quantity of plants on ground

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

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

47.Energy

Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	100 KW
	DG set as Power back-up during construction phase	62.5 KVA
	During Operation phase (Connected load):	3180 KW.
	During Operation phase (Demand load):	1425 KW
	Transformer:	1000 KVA - 2 No's.
	DG set as Power back-up during operation phase:	160 KVA - 01 No. & 20 KVA -01 No.
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	Not applicable

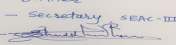
48.Energy saving by non-conventional method:

Energy Saving measures -

- Solar Water Heating Systems Will Be Done For Bathrooms.
- Solar lights will be provided for common amenities like Street lighting & Garden lighting.
- LED based lighting will be done in the common areas, landscape areas, signage's, Entry gates and boundary compound walls etc.
- Auto Timer Switches will be provided for Street lights, Garden lights, Parking & staircase Lights & Other Common Area Lights, for saving electrical energy.
- Water Level Controllers with Timers will be used for Water Pumps.
- To create awareness to end consumer or flat owner, for using energy efficient light fittings like CFL, T5 Lamps & LED Lights.
- Annual Savings with energy efficient equipment is 3% to 4%

49.Detail calculations & % of saving:

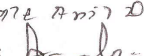
Serial Number	Energy Conservation Measures	Saving %
1	Solar water heater	339600 KWH /year
2	Auto control of street light & LED light in building	10950 KWH /year
3	LED energy efficient LAMPS - STREET LIGHT	85680 KWH/year
4	Efficient power distribution & efficient transformer	2252 KWH/year

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50.Details of pollution control Systems		
Source	Existing pollution control system	Proposed to be installed
Water	Not applicable	STP
Biodegradable waste	Not applicable	Mechanical composter
Noise due to DG set	Not applicable	Acoustic enclosure and canopy
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs.31,00,000 /-
	O & M cost:	Rs. 1,65,000/-p.a.

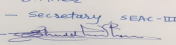
51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Erosion control	Dust suppression measures & barricading	0.8
2	Site Safety	Sign boards, net, labour safety	14.64
3	Site Sanitation	Treatment for waste water and waste	2.80
4	Disinfection & health check up	Medical camp	2.20
5	Environmental Monitoring	Air, Noise monitoring and water analysis	0.70

b) Operation Phase (with Break-up):

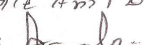
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP	350 KLD capacity	87	16.49
2	Solid waste Management	Mechanical composter	19.5	6.5
3	Storm water network	Internal piping and external upto final disposal	15	0.70
4	Rain Water Harvesting	Internal piping, pits	10.20	1.0
5	Landscape	Tree plantation and landscape	47.00	5.40
6	Energy - conservation methods	Solar water heater and PV cell for common lighting	31.00	1.65
7	Environmental Monitoring	Air and Noise monitoring, Soil and water analysis	00	1.60
8	Water supply through tanker (3 months)	Tankers	00	5.40
9	Site safety training and awareness	Fire fighting awarness	9.0	00
10	Water supply in case of shortage	Tanker	0	5.40

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

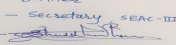
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

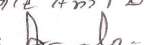
	Nos. of the junction to the main road & design of confluence:	1
Parking details:	Number and area of basement:	2727.94 sqm two basement
	Number and area of podia:	3182.85 sqm one podium
	Total Parking area:	16809.11 sqm
	Area per car:	36 sqm and 32 sqm
	Area per car:	36 sqm and 32 sqm
	Number of 2-Wheelers as approved by competent authority:	1316
	Number of 4-Wheelers as approved by competent authority:	349
	Public Transport:	NA
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable
	Category as per schedule of EIA Notification sheet	8 (a) B2
	Court cases pending if any	Not applicable
	Other Relevant Informations	Not applicable

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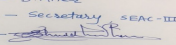
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	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-
SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS		
Summarised in brief information of Project as below.		
Brief information of the project by SEAC		
<p>Environment Clearance for Application for expansion of construction project Atria Grande at S. No. 2/2/1, 2/1/1, 6/3/4, Autade Handewadi, Tal-Haveli, Pune. Atria Grande.</p> <p>PP submitted their application for prior Environmental clearance for total plot area of 31973 Sq. Mtrs, BUA of 72882.88 Sq. Mtrs and FSI area of 38271.51 Sq. Mtrs.</p>		
DECISION OF SEAC		
PP remains absent.		
Specific Conditions by SEAC:		
FINAL RECOMMENDATION		
SEAC-III decided to defer the proposal till PP submits the additional information as per above conditions within 30 days		

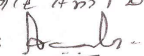
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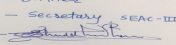
Subject: Environment Clearance for M/s Atul Builders

Is a Violation Case: No

1.Name of Project	Solitaire Business Hub
2.Type of institution	Private
3.Name of Project Proponent	Atul Chordia
4.Name of Consultant	M/s. Ultra-Tech
5.Type of project	Commercial Development
6.New project/expansion in existing project/modernization/diversification in existing project	Amendment
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes EC is received vide letter number SEAC-2016/C.R.424/TC-1 dated 12.05.2017
8.Location of the project	Sr. No 121/1+2/1, (Old) 121/1A/2/1 (New) Baner
9.Taluka	Haveli
10.Village	Baner
Correspondence Name:	Level 8, Solitaire World, Baner-45
Room Number:	Level 8
Floor:	8th
Building Name:	Solitaire World
Road/Street Name:	Pune Bangalore Highway
Locality:	Baner
City:	Pune
11.Area of the project	Pune Municipal Corporation.(PMC)
12.IOD/IOA/Concession/Plan Approval Number	IOD sanction on 12/01/2018 and CC/2666/17 3B+1 Shop fl.+ 1 Restaurant Fl.+ 10 floors.
	IOD/IOA/Concession/Plan Approval Number: IOD sanction on 12/01/2018 and CC/2666/17
	Approved Built-up Area: 53338.00
13.Note on the initiated work (If applicable)	Work has been initiated as per earlier EC
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	18,205.08
16.Deductions	6351.49
17.Net Plot area	10075.55
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 30223.83
	b) Non FSI area (sq. m.): 27665.38
	c) Total BUA area (sq. m.): 57889.21
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)	2642.83
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	25
21.Estimated cost of the project	1350000000

22.Number of buildings & its configuration

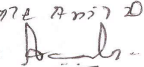
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
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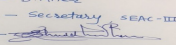
1	Tower 1	3B+ G + 11 Upper floors	49.95 mt (max height)
23.Number of tenants and shops	Shops: 24 Offices:219 with IBE		
24.Number of expected residents / users	2154 including floating population		
25.Tenant density per hectare	NA		
26.Height of the building(s)			
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	30 m wide external road Existing, nearest fire station Hinjewadi fire station at ~11 km		
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Turning radius for easy access of fire tender movement from all around the building is 9 m.		
29.Existing structure (s) if any	None		
30.Details of the demolition with disposal (If applicable)	Not any		

31.Production Details

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

32.Total Water Requirement

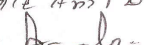
Dry season:	Source of water	PMC
	Fresh water (CMD):	123
	Recycled water - Flushing (CMD):	65
	Recycled water - Gardening (CMD):	10
	Swimming pool make up (Cum):	00
	Total Water Requirement (CMD) :	198
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	40
	Excess treated water	103

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Wet season:	Source of water	PMC
	Fresh water (CMD):	123
	Recycled water - Flushing (CMD):	65
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	00
	Total Water Requirement (CMD) :	188
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	40
	Excess treated water	113

Details of Swimming pool (If any)

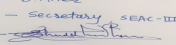
NA

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	123	123	Not applicable	10	10	Not applicable	113	113
Domestic	NA	65	65	NA	00	00	NA	65	65
Gardening	NA	10	10	NA	10	10	NA	00	00

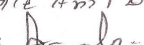
34.Rain Water Harvesting (RWH)

Level of the Ground water table:	3-10m
Size and no of RWH tank(s) and Quantity:	NA
Location of the RWH tank(s):	NA
Quantity of recharge pits:	4
Size of recharge pits :	2 x 2 x 2
Budgetary allocation (Capital cost) :	400000
Budgetary allocation (O & M cost) :	40000
Details of UGT tanks if any :	UGT are provided

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35.Storm water drainage	Natural water drainage pattern:	South to North
	Quantity of storm water:	0.31 m3/sec
	Size of SWD:	600 mm dia

Sewage and Waste water	Sewage generation in KLD:	178 m3/day
	STP technology:	MBBR
	Capacity of STP (CMD):	1 x 180 m3
	Location & area of the STP:	As per layout
	Budgetary allocation (Capital cost):	30,00000
	Budgetary allocation (O & M cost):	200000

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	Waste generation:	25 Kg/day
	Disposal of the construction waste debris:	Cutting 100000m3, filling= 25000 m3 and remaining shortfall to be filled with during construction debris.

Waste generation in the operation Phase:	Dry waste:	377 Kg/day
	Wet waste:	162 Kg/day
	Hazardous waste:	Nil
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	16 Kg/day
	Others if any:	NA

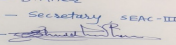
Mode of Disposal of waste:	Dry waste:	Handed over to authorized recyclers (SWaCH)
	Wet waste:	Organic waste Composting machine
	Hazardous waste:	Handed over to authorized recyclers
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as Manure
	Others if any:	NA

Area requirement:	Location(s):	As per layout
	Area for the storage of waste & other material:	40 m2
	Area for machinery:	Considered in above mentioned area

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	800000
	O & M cost:	40000

37.Effluent Charecterestics

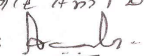
Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
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1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not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

38.Hazardous Waste Details

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

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	3 x 1250	HSD	03	as per CPCB	0.5	90

40.Details of Fuel to be used

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

41.Source of Fuel
Nearby pump

42.Mode of Transportation of fuel to site
By road

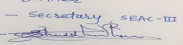
43.Green Belt Development

Total RG area :	1185.36
No of trees to be cut :	00
Number of trees to be planted :	156
List of proposed native trees :	All native
Timeline for completion of plantation :	3 yrs

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	39	Flowering tree
2	Magnolia champaca	sonchafa	39	Flowering tree
3	Mahogany	Mohagani	39	Shady tree
4	Cassia fistula	Bava	39	Flowering tree

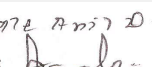

45.Total quantity of plants on ground

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

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

47.Energy

Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	25 KW
	DG set as Power back-up during construction phase	62.5 KVA
	During Operation phase (Connected load):	4052.05 kVA
	During Operation phase (Demand load):	3039.04 kVA
	Transformer:	6 x 630 kVA, 1 x 315 kVA
	DG set as Power back-up during operation phase:	3 x 1250 kVA
	Fuel used:	HSD
Details of high tension line passing through the plot if any:	NA	

48.Energy saving by non-conventional method:

Energy Saving using Solar Based PV system for Street Lighting and Energy saving with using T5/LED energy efficient fixture.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Energy saving with using T5/LED energy efficient fixture.	1% of connected Load
2	Energy saving with using T5/LED energy efficient fixture.	1% of connected Load

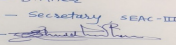
50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
DG set	NA	Stack

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	250000
	O & M cost:	50000

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

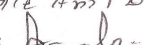
Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
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1	Air Environment	Water For Dust Suppression	0.32
2	Air Environment	Air & Noise monitoring	0.48
3	Water Environment	Tanker water for construction	1.08
4	Water Environment	Water monitoring	0.60
5	Land Environment	Site Sanitation	8.10
6	Biological Environment	Gardening	2.50
7	Biological Environment	Top soil preservation	0.19
8	Socio- Economic Environment	Socio- Economic Environment	7.82

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP	STP	30,00000	200000
2	OWC	OWC	800000	40000
3	Environmental Monitoring	Environmental Monitoring	00	912000
4	Landscape	Landscape	887000	107000
5	Energy Saving + Solar energy	Energy Saving + Solar energy	250000	50000
6	Basement ventillation	Fresh air / exhaust air fire rated dual speed fans, Jet fans, panel , cabling and CO based control system	5500000	700000
7	RWH	RWH	400000	40000

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

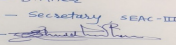
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

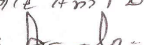
Nos. of the junction to the main road & design of confluence:	Traffic generated from this project will confluent on existing 24 m wide road
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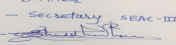
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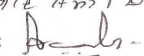
Parking details:	Number and area of basement:	No. of Basement: 03 Area of Basement: 16295 sqm
	Number and area of podia:	NA
	Total Parking area:	20433.47 Sqm
	Area per car:	12.5 Sqm
	Area per car:	12.5 Sqm
	Number of 2-Wheelers as approved by competent authority:	1729
	Number of 4-Wheelers as approved by competent authority:	684
	Public Transport:	Nearest Bus Stop: Baner
	Width of all Internal roads (m):	6m and 9m
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	None within 15 km
	Category as per schedule of EIA Notification sheet	8 (a) B2
	Court cases pending if any	Not Applicable
	Other Relevant Informations	None
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	16-02-2018
SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS		
Summorisred in brief information of Project as below.		
Brief information of the project by SEAC		

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Environment Clearance for Commercial Development, Solitaire Business Hubat Sr. No 121/1+2/1, (Old) 121/1A/2/1 (New) Baner by **M/s Atul Builders**.

PP submitted their application for Amendment of Environmental clearance for total plot area of 18205.08Sq. Mtrs, BUA of 57889.21Sq. Mtrs and FSI area of 30223.83Sq. Mtrs. PP proposes to construct 1 no. commercial tower.

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

DECISION OF SEAC

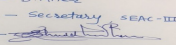
PP requested for time to submit above information; after deliberations committee asked PP to comply with the above observations and submit information to the committee for further discussion and consideration of SEAC.

Specific Conditions by SEAC:

- 1) PP to submit cross section through the internal road showing the space left for SWD, plantation of trees and compound wall.
- 2) PP to shift the location of OWC as it affects the plantation & submit revised design, calculations of OWC.
- 3) PP to submit revised layout for internal SWD considering the space left for plantation.
- 4) PP to submit an undertaking for sustainable water supply.
- 5) PP to submit revised CFO NOC.
- 6) PP to submit E-Waste NOC.
- 7) PP to submit geohydrological report along with RWH details.
- 8) PP to submit drainage NOC.
- 9) PP to submit STP details.
- 10) PP to submit revised site specific EMP.
- 11) PP to submit energy saving calculations along with renewable energy details.
- 12) PP to submit light & ventilation details of basement.
- 13) PP to submit revised RG drawing for open space considering minimum space required as per DC regulations.
- 14) PP to submit revised tree plantation list.
- 15) PP to submit debris management plan.
- 16) PP to submit UGT details.

FINAL RECOMMENDATION

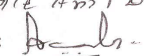
SEAC-III decided to defer the proposal till PP submits the additional information as per above conditions within 30 days

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Agenda for 66 th Meeting of SEAC-3

SEAC Meeting number: 66 Meeting Date June 14, 2018

Subject: Environment Clearance for Application for Environment Clearance for Proposed Residential Construction Project

Is a Violation Case: No

1.Name of Project	Amara
2.Type of institution	Private
3.Name of Project Proponent	Mr. Kavish Thakwani
4.Name of Consultant	NA
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	S. No. 24 (P), 26 (P), Village: Udri, Tal: Haveli, Dist: Pune.
9.Taluka	Haveli
10.Village	Undri
Correspondence Name:	Mr. kavish Thakwani
Room Number:	T7
Floor:	1st
Building Name:	Nucleus Mall
Road/Street Name:	Camp
Locality:	Camp
City:	Pune
11.Area of the project	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	IOD from Pune Municipal Corporation is in process
	IOD/IOA/Concession/Plan Approval Number: In process
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	Work is not initiated.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	10612
16.Deductions	90.45
17.Net Plot area	10522.16
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 22091.27
	b) Non FSI area (sq. m.): 16377.87
	c) Total BUA area (sq. m.): 38469.14
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)	3663.42
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	40.96 %
21.Estimated cost of the project	500000000

22.Number of buildings & its configuration

<p>Name - S.D.Aher Designation - Secretary SEAC-III Sign - </p> <p>S.D.Aher (Secretary SEAC-III)</p>	<p>SEAC Meeting No: 66 Meeting Date: June 14, 2018</p>	<p>Page 20 of 69</p>	<p>Name: K. Anil D. Signature: </p> <p>Shri. Anil Kale (Chairman SEAC-III)</p>
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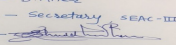
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A	S + P1 + 12	42.84
2	B	B + S + P1 + 12	42.84
3	C	B + S + P1 + 12	42.84
4	D (MHADA)	S + P1 + 11	39.78
5	Club House	G + 1	6

23.Number of tenants and shops	311 number of tenements , No shops
24.Number of expected residents / users	expected resident are 1555 no's.
25.Tenant density per hectare	1668 tenants/hector
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	12 mt
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 mt
29.Existing structure (s) if any	Nil
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

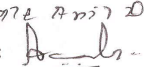
32.Total Water Requirement

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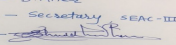
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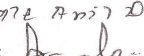

Dry season:	Source of water	PMC							
	Fresh water (CMD):	144.9							
	Recycled water - Flushing (CMD):	70.4							
	Recycled water - Gardening (CMD):	6.25							
	Swimming pool make up (Cum):	0							
	Total Water Requirement (CMD) :	221.55							
	Fire fighting - Underground water tank(CMD):	150							
	Fire fighting - Overhead water tank(CMD):	75							
	Excess treated water	125							
Wet season:	Source of water	PMC							
	Fresh water (CMD):	144.9							
	Recycled water - Flushing (CMD):	70.4							
	Recycled water - Gardening (CMD):	0							
	Swimming pool make up (Cum):	0							
	Total Water Requirement (CMD) :	215.3							
	Fire fighting - Underground water tank(CMD):	150							
	Fire fighting - Overhead water tank(CMD):	75							
	Excess treated water	131							
Details of Swimming pool (If any)	Nil								
33.Details of Total water consumed									
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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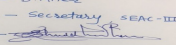
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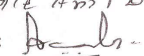
34.Rain Water Harvesting (RWH)	Level of the Ground water table:	300 ft.
	Size and no of RWH tank(s) and Quantity:	Nil
	Location of the RWH tank(s):	Not Applicable
	Quantity of recharge pits:	24
	Size of recharge pits :	1.5 x 1.5 x 2
	Budgetary allocation (Capital cost) :	964384.00
	Budgetary allocation (O & M cost) :	45000.00
	Details of UGT tanks if any :	UG Domestic Tank - 93.30 cu. m. UG Flushing Tank - 46.65 cu. m.
35.Storm water drainage	Natural water drainage pattern:	Please refer annexure - contour plan attached with Foem 1, 1A
	Quantity of storm water:	220
	Size of SWD:	500 mm wide with slope of 1 :3
Sewage and Waste water	Sewage generation in KLD:	201
	STP technology:	Sequential Batch Reactor (SBR) Technology
	Capacity of STP (CMD):	1 No. of STP with 220 KLD capacity
	Location & area of the STP:	Refer services location plan attached with form 1, 1A
	Budgetary allocation (Capital cost):	2360000.00
	Budgetary allocation (O & M cost):	144000.00
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	11722
	Disposal of the construction waste debris:	Excavated Earth will be used as filling material, debris for road leveling
Waste generation in the operation Phase:	Dry waste:	272.12 Kg/Day
	Wet waste:	143.17 Kg/Day
	Hazardous waste:	Nil
	Biomedical waste (If applicable):	Nil
	STP Sludge (Dry sludge):	9 Kg/Day
	Others if any:	Nil

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Mode of Disposal of waste:	Dry waste:	Through Authorized Vendor
	Wet waste:	Through natural waste composting
	Hazardous waste:	nil
	Biomedical waste (If applicable):	nil
	STP Sludge (Dry sludge):	used as manure
	Others if any:	nil
Area requirement:	Location(s):	Please refer services location layout attached as a naanexure with form 1, 1A
	Area for the storage of waste & other material:	50 Sqm
	Area for machinery:	400 Sqm
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	1.5 lac
	O & M cost:	0.40 lac

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

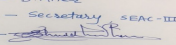
39. Stacks emission Details

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

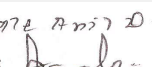
41. Source of Fuel	Not applicable
42. Mode of Transportation of fuel to site	Not applicable

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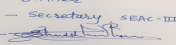
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43.Green Belt Development	Total RG area :	1250 SQM
	No of trees to be cut :	Nil
	Number of trees to be planted :	149
	List of proposed native trees :	Refer Annexure landscape details Attached with Form 1, 1A
	Timeline for completion of plantation :	5 years

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

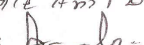
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Anthocephalus Cadamba	Kadamba	2	Medicinal value, to control soil erosion, Birds, squirrels, monkey eat fruits
2	Azadirakhta Indica	Neem	4	Medicinal value, To control soil erosion, To improve soil erosion
3	Area Catechu	Supari	6	Medicinal value, fruit chewable
4	Bauhinia Purpurea	Raktakanchan	11	Medicinal value
5	Butea Monosperma	Palas	4	Medicinal value, Bird attracting species , To control soil erosion.
6	Caryota Mitis/ urens	Surmad	11	Grown in any type of soil. Very Hardy.
7	Cassia Fistula	Bahava	11	Medicinal value, Drought tolerant species, Very ornamental, Well flowering plant, Honey bee attracting species, Host plant for Butterfly.
8	Cordia Dichomata	Bhokar	8	Medicinal value, Edible fruits
9	Erythrina Indica	Pangara	5	Fragrant flowers, Drought tolerant species, Birds attracting
10	Lagerstroemia Speciosa	Taman	5	use as a medicine and source of materials,
11	Mangifera Indica	Amba	2	Edible fruit, Bird attracting species.
12	Michelia Champaka	Sonchafa	7	Medicinal value, Fragrant flowers, Butterfly larvae host plant, Bird attracting species, Fast growing.
13	Millingtonia Hortensis	Buch	17	Evergreen, ornamental, and the pleasant fragrance of the flowers
14	Mimusops Elengi	Bakul	12	Fragrant flowers, Medicinal value, To control soil erosion.
15	Manilkara Zapota	Chiku	8	Edible fruit, Bird attracting species.
16	Terminalia Mentalle	Indian X-mas	16	ornamental
17	Plumeria Alba	Pandhara Chafa	5	Fragrant flowers, ornamental, To control soil erosion.
18	Plumeria Rubra	Gulabi Chafa	6	Fragrant flowers, ornamental, To control soil erosion.

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19	Syzigium Cumini	Jambhul	3	Edible fruit, Bird attracting species.
20	Spathodea Companulata	Fountain Tree	6	ornamental

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)	200 KW
	DG set as Power back-up during construction phase	Approx.250 KVA x 1 No. as backup
	During Operation phase (Connected load):	5560 KW
	During Operation phase (Demand load):	2780KW
	Transformer:	1250 KVA X 3 Nos
	DG set as Power back-up during operation phase:	150 KVA X 4 Nos.(1 no. per building)
	Fuel used:	Diesel -35 liters. /hr. each DG.
	Details of high tension line passing through the plot if any:	Nil

48.Energy saving by non-conventional method:

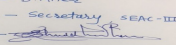
By using solar water heaters 400 KW saving shall be done

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	LED light fixtures throughout the premises	24 KW
2	Solar water heater	400 KW

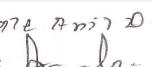

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
waste water generation from domestic use	Not applicable	STP of 2220 KLD shall be installed to treat waste water generated from domestic uses
solid waste management	Not applicable	Waste composting machine will be installed

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Budgetary allocation (Capital cost and O&M cost):	Capital cost:	21.0 lac
	O & M cost:	0.28 lac

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Erosion control	Dust suppression measures & barricading	5.0
2	Site safety	Nets	2.0
3	Site sanitation	Public toilets for labour	2.0
4	Disinfection & health checkup	for labour	2.0

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Waste water - STP	For STP of capacity 220 CMD	23.60	1.44
2	Solid waste management- Waste converter machine	For natural composting machine	1.5	0.46
3	Rain water harvesting- RWH Pits	For RWH pits	9.46	0.45
4	Landscape details	For plantation of 149 no of trees	13.75	3.6
5	Storm water managment	for internal storm water pipelines	3.31	0.12
6	conventional energy (Solar water heaters)	solar water heaters	21.00	0.28
7	Environment Monitoring	water waste water, air, noise monitoring	-	1.0
8	safety training & awareness	For workers and resident	6.0	1.5

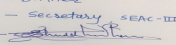
51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)

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

52.Any Other Information

No Information Available

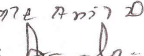
53.Traffic Management

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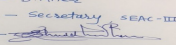
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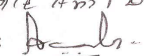
	Nos. of the junction to the main road & design of confluence:	1
Parking details:	Number and area of basement:	1 No. of basement - Area 2022.7 SQM
	Number and area of podia:	1 No. of Podium - 3149.03 SQM
	Total Parking area:	306
	Area per car:	BASEMENT - 35 SQM/CAR, PODIUM-35 SQM, STILT- 30 SQM, OPEN -25 SQM
	Area per car:	BASEMENT - 35 SQM/CAR, PODIUM-35 SQM, STILT- 30 SQM, OPEN -25 SQM
	Number of 2-Wheelers as approved by competent authority:	637 NUMBER OF 2-WHEELERS
	Number of 4-Wheelers as approved by competent authority:	306 Number of 4 wheelers
	Public Transport:	Nil
	Width of all Internal roads (m):	6 MT
	CRZ/ RRZ clearance obtain, if any:	NOT APPLICABLE
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NOT APPLICABLE
	Category as per schedule of EIA Notification sheet	8 (a) B2
	Court cases pending if any	Not Applicable
	Other Relevant Informations	Not Applicable
	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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Environment Clearance for Proposed Residential Construction Project Amaraat S. No. 24 (P), 26 (P), Village: Udri, Tal: Haveli, **by Mr. KavishThakwani.**

PP submitted their application for Expansion of Environmental clearance for total plot area of 10612Sq. Mtrs, BUA of 38469.14Sq. Mtrs and FSI area of 22091.27Sq. Mtrs. PP proposes to construct 4 no. residential building and 1 club house..

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

DECISION OF SEAC

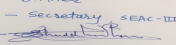
PP requested for time to submit above information; after deliberations committee asked PP to comply with the above observations and submit information to the committee for further discussion and consideration of SEAC.

Specific Conditions by SEAC:

- 1) PP to submit all NOCs.
- 2) PP to submit socioeconomic infrastructures in nearby project area.
- 3) PP to submit details of right of way agreement if applicable.
- 4) PP to submit basement approved plan.
- 5) PP to submit fire tender movement plan.
- 6) PP to relocate STP & submit redesign considering fire drive way obstacles and top level should be 2.5 m above the ground.
- 7) PP to submit Parking statement, layout plan & avoid dependent parking.
- 8) PP to submit sewer line connectivity up to final disposal point.
- 9) PP to submit debris management plan.
- 10) PP to submit revised EMP along with cost.
- 11) PP to submit revised tree list.
- 12) PP to submit energy saving calculations.
- 13) PP to submit MSW details. i.e. wet waste handling, treatment.
- 14) PP to submit cross section through the internal road showing the space left for SWD, plantation of trees and compound wall.
- 15) PP to submit PMC approved basement parking plan.

FINAL RECOMMENDATION

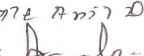
SEAC-III decided to defer the proposal till PP submits the additional information as per above conditions within 30 days

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Agenda for 66 th Meeting of SEAC-3

SEAC Meeting number: 66 Meeting Date June 14, 2018

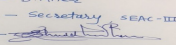
Subject: Environment Clearance for Proposed Residential Project

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

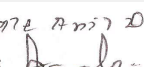
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
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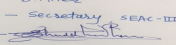
1	WING - A	G/P+5	19
2	WING - B	P+5	17.7
3	WING - C	P+5	17.7
4	WING - D	P+5	17.7
5	WING - E	P+5	17.7
6	WING - F	P+5	17.7
7	WING - G	P+5	17.7
8	WING - G	P+5	17.7

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

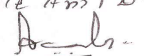
32.Total Water Requirement

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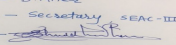
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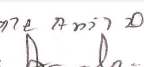

Dry season:	Source of water	Grampanchayat Saradwadi								
	Fresh water (CMD):	149.64								
	Recycled water - Flushing (CMD):	82.43								
	Recycled water - Gardening (CMD):	8.22								
	Swimming pool make up (Cum):	0								
	Total Water Requirement (CMD) :	240.29								
	Fire fighting - Underground 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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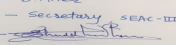
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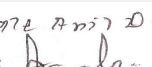

34. Rain Water Harvesting (RWH)	Level of the Ground water table:	12 Mtr
	Size and no of RWH tank(s) and Quantity:	1 No. of 70 Cum of Raw water tank
	Location of the RWH tank(s):	Raw water UGT
	Quantity of recharge pits:	12 Cum
	Size of recharge pits :	2 X 2 X 3
	Budgetary allocation (Capital cost) :	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

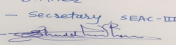
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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

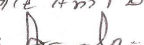
Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable
41. Source of Fuel		Not applicable		
42. Mode of Transportation of fuel to site		Not applicable		

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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

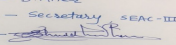
44.Number and list of trees species to be planted in the ground

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:

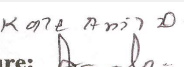

Serial Number	Name	C/C Distance	Area m2
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1	Not applicable	Not Applicable	Not Applicable
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47. Energy

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

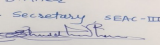
Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

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):

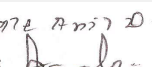
Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Site Sanitation & safety	Health & safety	0.60

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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)

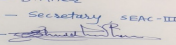
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

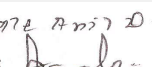
53.Traffic Management

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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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	-

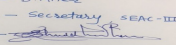
SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorisred in brief information of Project as below.

Brief information of the project by SEAC

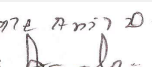

Environment Clearance for Proposed Residential Project Gat No. 1539 (P) + 1541 (P), Saradwadi Tal- Shirur by **Mrs. Swati Sachin Khinvasara**.

PP submitted their application for prior Environmental clearance for total plot area of 15200Sq. Mtrs, BUA of 22331.21Sq. Mtrs and FSI area of 14817.35Sq. Mtrs. PP proposes to construct 8 no. residential building (wings).

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DECISION OF SEAC

PP remains absent.

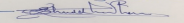
SEAC decided to defer the proposal.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

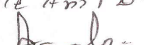
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Agenda for 66 th Meeting of SEAC-3

SEAC Meeting number: 66 Meeting Date June 14, 2018

Subject: Environment Clearance for Application for Revalidation of Environment Clearance for proposed "SRA and Residential & Commercial Project" at Erandwane, Pune

Is a Violation Case: No

1.Name of Project	45 Nirvana Hills (Vihar)
2.Type of institution	Private
3.Name of Project Proponent	Kumar Sinew Developers Pvt. Ltd.
4.Name of Consultant	Mahabal Enviro Engineers Pvt. Ltd., Thane, Maharashtra
5.Type of project	SRA and Residential & Commercial Project
6.New project/expansion in existing project/modernization/diversification in existing project	Modernization in Existing Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Environment Clearance File No SEAC -2010/CR.494/TC.2 on dated 28/02/2011 and EC amendment in area file no SEAC-2010/CR.494/TC.2 dated 30/03/2015
8.Location of the project	Sr. No 44/1, Erandwane
9.Taluka	Haveli
10.Village	Erandwane
Correspondence Name:	Kumar Sinew Developers Pvt. Ltd.
Room Number:	Sr. No 362/3A
Floor:	10th floor
Building Name:	Kumar Business Centre
Road/Street Name:	Bund Garden Road
Locality:	Shangrila Garden
City:	Pune
11.Area of the project	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	SRA/2017/14 Dated 02.12.2014 IOD/IOA/Concession/Plan Approval Number: SRA/2017/14 Dated 02.12.2014 Approved Built-up Area: 143743
13.Note on the initiated work (If applicable)	Construction of A11 and A12 buildings are completed. Construction of A10, C1 and C2 buildings are in process.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Sanction received vide CC no. 474 dated 09.04.2010 from Slum Rehabilitation Authority, Pune Pimpri Chinchwad Area
15.Total Plot Area (sq. m.)	65,396 m2
16.Deductions	22,792 m2
17.Net Plot area	42,604 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 99,982 sq.mt
	b) Non FSI area (sq. m.): 43,752 sq.mt
	c) Total BUA area (sq. m.): 143734
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)	11,222
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	26 %
21.Estimated cost of the project	2166180000

22.Number of buildings & its configuration

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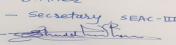
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A Type buildings- Existing	-	-
2	Building A1& A2	G+6 floors	20.30
3	Building A3 & A4	G+6 floors	20.30
4	Building A5, A7 & A8	G+7 floors	23.20
5	Building A9	G+7 floors	25.52
6	Rehabilitation buildings	-	-
7	Rehab. Building A10	P+3 floors	11.85
8	Rehab. Buildings A10, A11 & A12	P+12 floors	37.70
9	Rehab. Buildings A20, A21, A22, A23, A24 & A25	P + 12 floors	37.70
10	Building A19	P + 1 floor	5.95
11	C Type- Free sale buildings	-	-
12	Free sale buildings (C1 & C2)	B+LG+UG+5P + 17 floors	70
13	Free sale buildings (C3 & C4)	B+P + 23 floors	70

23.Number of tenants and shops	Tenements - 1930 nos. and shops and offices
24.Number of expected residents / users	Residents- 9515 nos. and commercial users - 456 nos.
25.Tenant density per hectare	290 /Ha
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	12 m
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	Construction is going on is as per received Environment Clearance dt. 28/02/2011 and Amendment in Environment Clearance dt. 30/03/2015
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

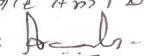
32.Total Water Requirement

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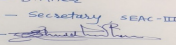
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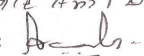
Dry season:	Source of water	PMC / Recycled water							
	Fresh water (CMD):	982 m3/day							
	Recycled water - Flushing (CMD):	454 m3/day							
	Recycled water - Gardening (CMD):	37 m3/day							
	Swimming pool make up (Cum):	NA							
	Total Water Requirement (CMD) :	1436 m3/day							
	Fire fighting - Underground water tank(CMD):	775 m3							
	Fire fighting - Overhead water tank(CMD):	50 m3 for each building							
	Excess treated water	534 m3/day							
Wet season:	Source of water	PMC / Recycled water							
	Fresh water (CMD):	982 m3/day							
	Recycled water - Flushing (CMD):	454 m3/day							
	Recycled water - Gardening (CMD):	19 m3/day							
	Swimming pool make up (Cum):	NA							
	Total Water Requirement (CMD) :	1436 m3/day							
	Fire fighting - Underground water tank(CMD):	775 m3							
	Fire fighting - Overhead water tank(CMD):	50 m3 for each building							
	Excess treated water	552 m3/day							
Details of Swimming pool (If any)	NA								
33.Details of Total water consumed									
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Water Requirement	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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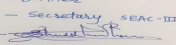
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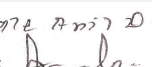

34.Rain Water Harvesting (RWH)	Level of the Ground water table:	Rainy season: 13 m -16 m and Summer season: 25 m- 30 m
	Size and no of RWH tank(s) and Quantity:	2 nos. of RWH tanks with quantities of 250 m3 and 570 m3
	Location of the RWH tank(s):	Near C1 building and another one is near to A23 building
	Quantity of recharge pits:	51 nos.
	Size of recharge pits :	Diameter of Recharge Bore = 150 mm and Depth upto water column
	Budgetary allocation (Capital cost) :	Rs. 5 Lakh
	Budgetary allocation (O & M cost) :	Rs. 1 Lakh/year
	Details of UGT tanks if any :	Domestic UGT: 1319 m3 Flushing UGT: 660 m3 Fire tank: 775 m3
35.Storm water drainage	Natural water drainage pattern:	As per contour plan
	Quantity of storm water:	1,202 m3/hr
	Size of SWD:	600 mm wide along both sides of road
Sewage and Waste water	Sewage generation in KLD:	1,044 m3/day
	STP technology:	Membrane Biological Reactor (MBR)
	Capacity of STP (CMD):	Rehab building - 1 no. x 275 m3/day, C type building - 160 m3/day, STP for building no. 19,20,23,24 & 24- 390 m3/day & Transits building -230 m3/day
	Location & area of the STP:	Near C1 building and another one is near to A23 building
	Budgetary allocation (Capital cost):	Rs. 185 Lakh
	Budgetary allocation (O & M cost):	Rs. 18 Lakh/year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	33,666 m3
	Disposal of the construction waste debris:	Debris generated will be sent to the authorized debris disposal site as per Municipal Debris Rules.
Waste generation in the operation Phase:	Dry waste:	2454 kg/day
	Wet waste:	1636 kg/day
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	10 kg/day
	Others if any:	Not Applicable

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Mode of Disposal of waste:	Dry waste:	Non biodegradable waste would be disposed through authorized contractor
	Wet waste:	Biodegradable waste will be treated by vermin composting pits and generated manure used for landscaping
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	STP sludge would be used as manure
	Others if any:	Not Applicable
Area requirement:	Location(s):	6 nos. of vermi composting pits are proposed near project sites
	Area for the storage of waste & other material:	60 m ²
	Area for machinery:	6 nos. of vermi composting pits are proposed
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 2 Lakh
	O & M cost:	Rs. 25 Thousand/year

37. Effluent Characteristics

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

38. Hazardous Waste Details

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

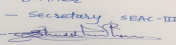
39. Stacks emission Details

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

40. Details of Fuel to be used

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

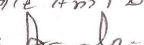
41. Source of Fuel	Not applicable
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42.Mode of Transportation of fuel to site	Not applicable
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43.Green Belt Development	Total RG area :	4,904 m ²
	No of trees to be cut :	NA
	Number of trees to be planted :	400
	List of proposed native trees :	Provided
	Timeline for completion of plantation :	6 to 9 months after completion of civil work

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	Ficus bengalhensis	Vad	12	Provides fulfillment of wishes and other material gains
2	Ficus religiosa	Pimpal	10	Used for worshipping
3	Butea monosperma	Palas	10	Used for worshipping
4	Azadirachta indica	Neem	10	Medicinal tree
5	Ficus racemosa	Umbar	10	Fruit bearing
6	Syzygium cumini	Jambhul	10	Fruit bearing
7	Madhuca indica	Moha	15	Medicinal values
8	Prosopis spicigera	Shami	15	Used for worshipping
9	Hirda	Hirda	12	Used for medicine, timber, fuel and fencing
10	Terminalia belerica	Beheda	13	Medicinal values
11	Aegle marmelos	Bel	10	Medicinal values
12	Terminalia arjuna	Arjun	50	Medicinal values
13	Sapindus trifoliatus	Ritha	20	Flowering tree
14	Karanj	Karanj	21	Shade giving tree
15	Mimusops elengi	Bakul	50	Flowers white, fragrant, axillary, solitary or fascicled, Fruits ovoid or ellipsoid berries
16	Pterospermum canescens	Muchkand	12	Medicinal values
17	Bauhinia racemosa	Apta	12	Butterfly host tree
18	Cordia	Bhokar	20	Flowering tree
19	Eleocarpus sphaericus	Rudraksh	10	Fruit tree
20	Tamarindus indica	Chinch	20	Fruit tree
21	Acacia chundra	Khair	10	Medicinal value
22	Anthocephalous kadamba	kadamb	16	Flowering tree
23	Bombax ceibaKate	Kate sawar	10	Cotton tree flower
24	Cassia fistula	Bahava	10	Drough resistance, Butterfly host tree
25	Ficus retusa	Nandruk	12	Fruit tree

45.Total quantity of plants on ground

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

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

47.Energy

Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	100 kW
	DG set as Power back-up during construction phase	125 kVA
	During Operation phase (Connected load):	5.12 MW
	During Operation phase (Demand load):	4.27 MW
	Transformer:	5000 kVA
	DG set as Power back-up during operation phase:	1 no. x 380 kVA, 1 no. x 320 kVA, 1 no. x 140 kVA and 1 no. x 250 kVA
	Fuel used:	Diesel
Details of high tension line passing through the plot if any:	NA	

48.Energy saving by non-conventional method:

- Solar Energy will be provided for hot water requirement to sale building up to top 9 floors
- Solar panel lights

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar light	33%

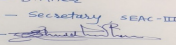
50.Details of pollution control Systems

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. 45 Lakh
	O & M cost:	Rs. 1 Lakh/year

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

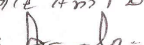
Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Dust suppression by water sprinkling	pH, Color, Odour, Turbidity	2

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2	Site safety	Safety net, Noise barrier	3
3	Site sanitation	Disinfection	2
4	Health check up	Monthly	1
5	Environment monitoring	Quarterly	1

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP	Total capacities of STP 1055 m3/day	185	18
2	Solar water heater	Solar energy	45	1
3	Rain water harvesting	51 nos. of pits	5	1
4	Solid Waste	6 nos. of vermi compostings pits	2	0.25
5	Landscaping	Trees plantation	2	1

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

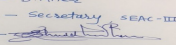
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

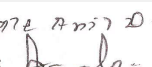
Nos. of the junction to the main road & design of confluence:	1 no.
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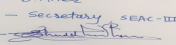
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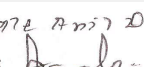

Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	34,244 m ²
	Area per car:	25 m ² and 30 m ²
	Area per car:	25 m ² and 30 m ²
	Number of 2-Wheelers as approved by competent authority:	2586 nos.
	Number of 4-Wheelers as approved by competent authority:	802 nos.
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8 (a), B2
	Court cases pending if any	NA
	Other Relevant Informations	We have received Environment Clearance vide file No SEAC -2010/CR.494/TC.2 on dated 28/02/2011 and EC amendment in area vide file no SEAC-2010/CR.494/TC.2 dated 30/03/2015. Now, we are applying for re-validation of Environment Clearance because of construction not yet completed.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	26-02-2018
SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS		
Summarised in brief information of Project as below.		
Brief information of the project by SEAC		

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Environment Clearance for Revalidation of EC for proposed "SRA and Residential & Commercial Project" 45 Nirvana Hills (Vihar) at Sr. No 44/1, Erandwane Erandwane, Pune **Nirvana Hills (Vihar).**

PP submitted their application for modernization in Environmental clearance for total plot area of 65396 Sq. Mtrs, BUA of 143734 Sq. Mtrs and FSI area of 99982 Sq. Mtrs.

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

DECISION OF SEAC

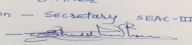
During discussion PP stated that they have received EC on 28/2/2011 for total construction area 143734 m². After that PP took amendment of EC on 30/3/2015 for total construction area 143734 m² now PP applied for revalidation of EC. PP agreed to submit an affidavit to that effect.

As there is no change in earlier EC committee decided to recommend the proposal to SEIAA for revalidation.

Specific Conditions by SEAC:

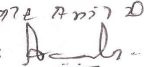
FINAL RECOMMENDATION

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

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Agenda for 66 th Meeting of SEAC-3

SEAC Meeting number: 66 Meeting Date June 14, 2018

Subject: Environment Clearance for commercial Project

Is a Violation Case: No

1.Name of Project	Hagwood Commercial Developers Pvt Ltd
2.Type of institution	Private
3.Name of Project Proponent	Lt. Col. Sudhanshu Chaturvedi (Retd)
4.Name of Consultant	M/s Pollution and Ecology Control Services
5.Type of project	Commercial Project
6.New project/expansion in existing project/modernization/diversification in existing project	Modernization
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes on dated 26/11/2012.
8.Location of the project	S. No. 25, 29,30
9.Taluka	Nagpur
10.Village	Chinchabuvan
Correspondence Name:	Lt Col Sudhanshu Chaturvedi
Room Number:	105/106
Floor:	Ground
Building Name:	Dream Square
Road/Street Name:	Off New Link Road, Dalia Industrial Estate
Locality:	Andheri West
City:	Mumbai
11.Area of the project	NMC
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: MNPN/NRV/Nagar Rachna Vibhag/Tvat:Manjuri/13 dated 20th Feb 2018
	Approved Built-up Area: 35180.055
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	40078.364 Sq.mt.
16.Deductions	0
17.Net Plot area	40078.36 sq mt
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 35180.06
	b) Non FSI area (sq. m.): 56071.29
	c) Total BUA area (sq. m.): 91251.35
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)	22118.35
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	55.18
21.Estimated cost of the project	1717200000

22.Number of buildings & its configuration

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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	01 Commercial Building	LG+G+2	20.55 M

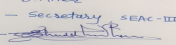
23.Number of tenants and shops	Multiplex , Food courts and 150 Shops
24.Number of expected residents / users	Permanent Staff 1500; Floating population 11678
25.Tenant density per hectare	NA
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	18 mt
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	7.5
29.Existing structure (s) if any	NA
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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

32.Total Water Requirement

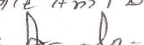
Dry season:	Source of water	NMC/ Ground Water
	Fresh water (CMD):	156
	Recycled water - Flushing (CMD):	117
	Recycled water - Gardening (CMD):	50
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	323
	Fire fighting - Underground water tank(CMD):	150
	Fire fighting - Overhead water tank(CMD):	10
	Excess treated water	0

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Wet season:	Source of water	NMC/ Ground Water
	Fresh water (CMD):	156
	Recycled water - Flushing (CMD):	117
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	273
	Fire fighting - Underground water tank(CMD):	150
	Fire fighting - Overhead water tank(CMD):	10
	Excess treated water	0

Details of Swimming pool (If any)

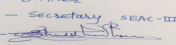
NA

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)

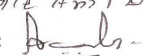
Level of the Ground water table:	about 150 m
Size and no of RWH tank(s) and Quantity:	One tank of 100 cum for commercial building
Location of the RWH tank(s):	Below ground
Quantity of recharge pits:	3
Size of recharge pits :	3 Mtrs. Dia x 3 Mtrs. Effective Depth
Budgetary allocation (Capital cost) :	20
Budgetary allocation (O & M cost) :	02
Details of UGT tanks if any :	Domestic (U/g) = 220 Cu.M/D Flushing (U/g) = 120 Cu.M/D

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35.Storm water drainage	Natural water drainage pattern:	Surface storm water will be routed towards the periphery storm water drain channel by gravity.
	Quantity of storm water:	43 cum/hr
	Size of SWD:	We have proposed open storm water drain channel with grating at the periphery of 450mm wide with starting depth of 150mm and sloping towards discharge point in 1:300 slope.

Sewage and Waste water	Sewage generation in KLD:	250
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	01 x 275 KLD
	Location & area of the STP:	Below Ground , 220 sq.m
	Budgetary allocation (Capital cost):	75.0 Lacs
	Budgetary allocation (O & M cost):	8.25 Lacs

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	Waste generation:	Approx. 250 to 300 kg/day
	Disposal of the construction waste debris:	used at site for making internal roads
Waste generation in the operation Phase:	Dry waste:	1480 kg/day
	Wet waste:	635 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	10-15 kg
	Others if any:	NA
Mode of Disposal of waste:	Dry waste:	Segregate at site & sale all recyclable waste & Remaining & inert waste handed over to local vendor
	Wet waste:	Composting through OWC machine
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as manure
	Others if any:	NA
Area requirement:	Location(s):	Ground
	Area for the storage of waste & other material:	32.50 sq.m
	Area for machinery:	10 sq.m
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	12.50 Lacs
	O & M cost:	4.50 Lacs

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

41.Source of Fuel

Not applicable

42.Mode of Transportation of fuel to site

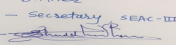
Not applicable

43.Green Belt Development

Total RG area :	11015.56 sq mt already given in Residential portion
No of trees to be cut :	NA
Number of trees to be planted :	535
List of proposed native trees :	Given in below list
Timeline for completion of plantation :	Dec 18

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

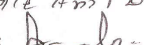
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Saraca indica	Sita ashok	100	Evergreen medicinal plant
2	Mangifera indica	Mango tree	25	Fruiting & bird attracting tree
3	Butea monosperma	Flame tree	50	Used in pesticide & dye preparation

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4	Cassia fistula	Golden shower	50	Drought tolerant, ornamental & medicinal plant
5	Ficus benjamina	Weeping fig	25	Evergreen & bird attracting tree
6	Mimusopes elengi	Bakul	25	Evergreen tree, medicinal plant
7	Azadirachta indica	Neem	25	Evergreen Tree & Medicinal Plant
8	Roystonea regia	Royal palm	100	Nitrogen fixer, ornamental plant
9	Neolamarkia cadamba	Kadamba tree	25	Tropical fruit tree & bird attracting tree
10	Cassia grandis	Pink shower	50	Drought tolerant, ornamental & medicinal 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

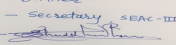
Power requirement:	Source of power supply :	MSEDC
	During Construction Phase: (Demand Load)	255 KVA
	DG set as Power back-up during construction phase	250 KVA
	During Operation phase (Connected load):	6.9 MW
	During Operation phase (Demand load):	5.0 MW
	Transformer:	3 x 2000 KVA
	DG set as Power back-up during operation phase:	2 x 2500 KVA & 1 x 1500 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

- ? Light fixtures will be used with energy saving LED & T5 fluorescent tube with electronic chocks.
- ? Use of Solar energy for street & landscape lightings.
- ? Small capacity transformers having low no load and load losses.
- ? Selection of Energy efficient equipments (BEE STAR RATED)

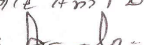
49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
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1	? Light fixtures will be used with energy saving LED & T5 fluorescent tube with electronic chocks. ? Use of Solar energy for street & landscape lightings. ? Small capacity transformers having low no load and load losses. ? Selection of Energy efficient equipments (BEE STAR RATED)	33%
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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:	55
	O & M cost:	05

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

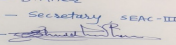
Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Drinking water	as per drinking water standard	5
2	Sanitation	PH, BOD, COD, SS etc.	8
3	Health Checkup	TB, Blood checkup, Dengue etc.	6
4	Labour Camp	Hygiene, Insecticide, Fuel etc	6
5	Safety	Safety shoes, Net, Rope, Lift, Barricading, Helmet etc	10

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	PH, BOD, COD, TSS etc	75	8.25
2	Rain Water Harvesting	Oil & Greas, PH etc	10	1
3	Solid Waste Management	Segregation of Waste, Composting	12.5	4
4	Energy Saving measures	Non conventional appliances, Solar light	55	5
5	Green Belt	Plantation	25	2.5

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

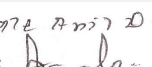

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	02
Parking details:	Number and area of basement:	One and 22783.08 Sq.mt.
	Number and area of podia:	NA
	Total Parking area:	15028.10 sq mt
	Area per car:	24.50 sq.m for open & for basement about 34.50 sq.m
	Area per car:	24.50 sq.m for open & for basement about 34.50 sq.m
	Number of 2-Wheelers as approved by competent authority:	2005
	Number of 4-Wheelers as approved by competent authority:	841
	Public Transport:	Proposed Metro, Bus
	Width of all Internal roads (m):	mim 6.0 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8 b (B1)
	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

Summorised in brief information of Project as below.

Brief information of the project by SEAC

<p>Name - S.D.Aher Designation - Secretary SEAC-III Sign </p> <p>S.D.Aher (Secretary SEAC-III)</p>	<p>SEAC Meeting No: 66 Meeting Date: June 14, 2018</p>	<p>Name: K. Anil Kale Signature: </p> <p>Shri. Anil Kale (Chairman SEAC-III)</p>
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Environment Clearance for commercial Project at S. No. 25, 29,30 , Chinchabuvan, Nagpur.by **M/s. Hagwood Commercial Developers Pvt Ltd.**

PP submitted their application formodernization in Environmental clearance forttotal plot area of 40078.364Sq. Mtrs, BUA of 91251.35Sq. Mtrs and FSI area of 35180.06Sq. Mtrs.PP proposes to construct 1 commercial building.

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

DECISION OF SEAC

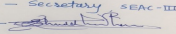
During discussion committee asked PP to obtain a letter from planning authority that there is no additional RG area required on plot 1 B for building permission of proposed commercial component.

Specific Conditions by SEAC:

1) During discussion committee asked PP to obtain a letter from planning authority that there is no additional RG area required on plot 1 B for building permission of proposed commercial component.

FINAL RECOMMENDATION

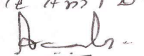
SEAC-III decided to defer the proposal till PP submits the additional information as per above conditions within 30 days

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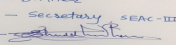
Agenda for 66 th Meeting of SEAC-3

SEAC Meeting number: 66 Meeting Date June 14, 2018

Subject: Environment Clearance for Change in the Use of Existing IT Building as Hospital ASHOKA MEDICOVER HOSPITAL at Plot No.02, S.No 113/2, Indiranagar Wadala Road, Wadala, Nashik - 422009, Maharashtra.

Is a Violation Case: No

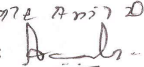
1.Name of Project	Change in the Use of Existing IT Building as Hospital ASHOKA MEDICOVER HOSPITAL at Plot No.02, S.No 113/2, Indiranagar Wadala Road, Wadala, Nashik - 422009, Maharashtra.
2.Type of institution	Private
3.Name of Project Proponent	M/s. Ashoka Institute of Medical Sciences & Research and VIVA Infrastructure Ltd. / Mr. Navin Singh Sikarwar.
4.Name of Consultant	MANTRAS GREEN RESOURCES LIMITED.
5.Type of project	Housing Project - Hospital Project
6.New project/expansion in existing project/modernization/diversification in existing project	Diversification in Existing Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes. Environmental Clearance has been obtained on 01/02/2011 in the name of "V Tech IT Park" from SEIAA, Maharashtra.
8.Location of the project	Plot No.02, S.No 113/2, Indiranagar Wadala Road, Wadala, Nashik - 422009, Maharashtra.
9.Taluka	Nashik
10.Village	Wadala
Correspondence Name:	Mr. Navin Singh Sikarwar
Room Number:	NA
Floor:	NA
Building Name:	NA
Road/Street Name:	NA
Locality:	Plot No.02, S.No 113/2, Indiranagar Wadala Road, Wadala, Nashik - 422009, Maharashtra.
City:	Nashik
11.Area of the project	Nashik Mucipal Corporation.
12.IOD/IOA/Concession/Plan Approval Number	Approved Layout has been obtained from Town Planning Department, Nashik Municipal Corporation on 10/11/2015 Vide Letter No.A4/11.
	IOD/IOA/Concession/Plan Approval Number: Letter No.A4/11.
	Approved Built-up Area: 30633.26
13.Note on the initiated work (If applicable)	45000
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	The Completion Certificate of the same has been issued by Town Planning Department, Nashik Municipal Corporation, Nashik.
15.Total Plot Area (sq. m.)	14089
16.Deductions	NA
17.Net Plot area	14089
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 30633.26
	b) Non FSI area (sq. m.): 3483.44
	c) Total BUA area (sq. m.): 34116.7
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)	4096.09
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	4096.09
21.Estimated cost of the project	750000000

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22. Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Hospital Building A Wing	1 Basement + 1 Ground + 1 Mezzanine + 7 Floors	34
2	Hospital Building B Wing	1 Basement + 1 Ground + 4 Floors	18
23. Number of tenants and shops	270 Bedded Hospital Project with Supporting Infrastructure Facilities.		
24. Number of expected residents / users	Total Population: 1080 Persons.		
25. Tenant density per hectare	NA		
26. Height of the building(s)			
27. Right of way (Width of the road from the nearest fire station to the proposed building(s))	Fire Brigade Office is about 2.2 Km Away from the Project Site towards NNW. Width of the Road is about 24 mtr to 15 mtr.		
28. Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	6.0 mtr.		
29. Existing structure (s) if any	The Project Proponent is now proposing Hospital in the Existing Commercial Building on Plot No.02 with additions and alterations with amalgamation of Amenity plot. After amalgamation, Area of the Plot is 14, 089 m ² . Total Potential Built-up Area of this Project will be 45,000 m ² (approx.) out of which 23,671m ² is already constructed and 10,445.7m ² is proposed to be constructed in Phase - 1: Hospital Building and rest 10,883.3m ² will be proposed in further Phases later.. Hospital Building 'A' Win		
30. Details of the demolition with disposal (If applicable)	NA		

31. Production Details

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

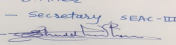
32. Total Water Requirement

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Dry season:	Source of water	Fresh Water from Nashik Municipal Corporation (NMC) & Recycled Water
	Fresh water (CMD):	198
	Recycled water - Flushing (CMD):	53 Fresh
	Recycled water - Gardening (CMD):	6
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	353
	Fire fighting - Underground water tank(CMD):	100 KLD
	Fire fighting - Overhead water tank(CMD):	10 KLD
	Excess treated water	0
Wet season:	Source of water	Fresh Water from Nashik Municipal Corporation (NMC) & Recycled Water
	Fresh water (CMD):	184
	Recycled water - Flushing (CMD):	53 Fresh
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	333
	Fire fighting - Underground water tank(CMD):	100 KLD
	Fire fighting - Overhead water tank(CMD):	10 KLD
	Excess treated water	6
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

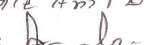
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	0	179	179	0	14	14	0	165	165
Cooling tower & thermopack	0	149	149	0	146	146	0	3	3
Gardening	0	20	20	0	20	20	0	0	0

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Fresh water requirement	0	198	198	0	28	28	0	170	170
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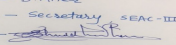
34.Rain Water Harvesting (RWH)	Level of the Ground water table:	Ground Water Level has been observed between 2.1 m and 2.45 meter below ground level (mbgl).
	Size and no of RWH tank(s) and Quantity:	4 Nos. of RWH Tanks will be provided. Capacity of each RWH Tank will be 6.0 KLD. RWH Tanks will be provided near RWH Pits.
	Location of the RWH tank(s):	R.G. Area.
	Quantity of recharge pits:	There will be provision of Four (04) Recharge Bores at the R.G Area for the Recharge of shallow Aquifers.
	Size of recharge pits :	5 M x 5 M x 2 M
	Budgetary allocation (Capital cost) :	2000000
	Budgetary allocation (O & M cost) :	50000
	Details of UGT tanks if any :	4 Nos. of RWH Tanks will be provided. Capacity of each RWH Tank will be 6.0 KLD. 1 No. Fire Fighting (Underground water tank) of 100 KLD Capacity.

35.Storm water drainage	Natural water drainage pattern:	The Project is located within Nashik Municipal Corporation Area where all the facilities are available.
	Quantity of storm water:	207 cum / hr.
	Size of SWD:	1.5 mt X 1.5 mt

Sewage and Waste water	Sewage generation in KLD:	165
	STP technology:	Advanced Tertiary Treatment
	Capacity of STP (CMD):	1 No. of STP. Capacity will be 200 KLD.
	Location & area of the STP:	On the Open Land within premises.
	Budgetary allocation (Capital cost):	7200000
	Budgetary allocation (O & M cost):	150000

36.Solid waste Management

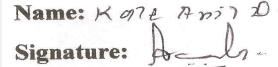

Waste generation in the Pre Construction and Construction phase:	Waste generation:	Construction Phase: 1. Empty cement bags 2. Steel 3. Sand 4. Packaging Material 5. Aggregates.
	Disposal of the construction waste debris:	1. Empty cement bags- Will be sold to recyclers. 2. Steel - Steel cut pieces shall be used as spacers and chairs in the structure and wastage of steel (balance non usable steel of odd lengths) will be sent for recycling. 3. Sand - Wastage of sand will be used for bedding for flooring purpose. They shall also be used for back filling and filler material for levelling of internal roads and pavements. 4. Packaging Material - Will be sent for recycling. 5. Aggregates - Will be used in road,

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Waste generation in the operation Phase:	Dry waste:	Non-biodegradable - 253 Kg / day
	Wet waste:	Biodegradable - 122 Kg / day
	Hazardous waste:	ETP Sludge - 1.6 kg / Day
	Biomedical waste (If applicable):	Biomedical - 111 kg / day
	STP Sludge (Dry sludge):	STP Sludge - 34 kg/day
	Others if any:	NA
Mode of Disposal of waste:	Dry waste:	Non-biodegradable - Will be handed over to Authorized Recycler.
	Wet waste:	Biodegradable - Will be used for Composting.
	Hazardous waste:	ETP Sludge - Will be handed over to Water Grace BMW & Hazardous Waste Management Services.
	Biomedical waste (If applicable):	Biomedical - Will be handed over to Authorized Recycler for incineration.
	STP Sludge (Dry sludge):	STP Sludge - Dry sludge shall be used as manure.
	Others if any:	NA
Area requirement:	Location(s):	NA
	Area for the storage of waste & other material:	NA
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	00
	O & M cost:	1000000

37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	NA	6.0 - 8.0	6.5 - 8.5	5.5 - 9
2	BOD	Mg/l	300	< 10	Less than 100
3	COD	Mg/l	600	< 100	Less than 250
4	TSS	Mg/l	300	= 10	Less than 100
5	Oil & Grease	Mg/l	15	= 5	Less than 10

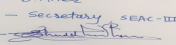
Amount of effluent generation (CMD):	8 KLD
Capacity of the ETP:	10 KLD
Amount of treated effluent recycled :	7 KLD
Amount of water send to the CETP:	00
Membership of CETP (if require):	NA
Note on ETP technology to be used	Advanced Tertiary Treatment.
Disposal of the ETP sludge	Not applicable

38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	ETP Sludge	34.3	NA	NA	1.6 kg / Day	1.6 kg / Day	Will be handed over to Water Grace BMW & Hazardous Waste Management Services.

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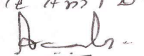
39.Stacks emission Details						
Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	2 Nos. of D.G Sets of 1500 kVA Capacity each	HSD	2	8.85	0.2	40 (oC)
40.Details of Fuel to be used						
Serial Number	Type of Fuel	Existing	Proposed	Total		
1	HSD	NA	3282 Ltr./M	3282 Ltr./M		
41.Source of Fuel		Local Source				
42.Mode of Transportation of fuel to site		Fuel will be transported to site by Sealed Ms Drums through Closed Containers.				
43.Green Belt Development	Total RG area :	3975 m2				
	No of trees to be cut :	NA				
	Number of trees to be planted :	About 177 Nos. of Trees will be planted.				
	List of proposed native trees :	1. Azadirachta indica 2. Cassia fistula 3. Hibiscus rosasinensis 4. Butea monosperma 5. Ficus religiosa				
	Timeline for completion of plantation :	1 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	Azadirachta indica	Neem	35	Evergreen		
2	Cassia fistula	Golden shower	35	Deciduous		
3	Hibiscus rosasinensis	Jaswand	35	Evergreen		
4	Butea monosperma	Palas	35	Deciduous		
5	Ficus religiosa	Pipal	37	Evergreen		
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)	60 KW
	DG set as Power back-up during construction phase	1 D.G Set of 250 kVA
	During Operation phase (Connected load):	Connected Load - 3900 KW
	During Operation phase (Demand load):	Maximum Demand - 2600 kVA
	Transformer:	2000 kVA x 2
	DG set as Power back-up during operation phase:	2 Nos. of D.G Sets of 1500 kVA Capacity each.
	Fuel used:	HSD - 3282 Ltr./M
	Details of high tension line passing through the plot if any:	NA

48. Energy saving by non-conventional method:

26 kVA / day Power Generation by Solar PV Panels:

Flat Solar PV Panels (310 Wp x 81 Nos.) will be installed at the Terrace to generate Electricity equivalent to 1% of the Demand Load i.e 26 kVA / day as per the State Level / Local Building Bye-Law's Requirement.

2500 LPD Water Heating by Solar Water Heating System:

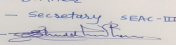
Total Hot Water Requirement for this Hospital Project is 12 KLD. Solar Water Heating will be provided to meet 20% of this Hot Water Demand i.e 2.4 KLD Hot Water will be provided by Solar Water Heating System as per the State Level / Local Building Bye-Law's Requirement. 1250 LPD x 2 = 2500 LPD Sunglow Close Loop (Pressure) Solar System (FPC) will be installed at the Terrace Area. 10 Nos. of Solar PV Panels will be required for 1250 LPD Hot water. Panel Size will be 1910 x 1106 x 95 mm. Glass will be 1875 x 1072 mm, toughened, 4 mm thick. Absorber will be 0.2 mm thick copper sheet, selectively coated. Header will be 1" Diameter 22 SWG Copper Tube. Riser will be 1/2" Diameter 24 SWG Copper Tube. Number of Riser will be 9. Bottom Sheet will be 0.7 mm thick. Insulation will be of Mineral Wool 50 mm (bottom) and 25 mm (side) thick. Absorber to Riser will be of Ultrasonic Welding. Supporting stands are designed of thick M.S. "L" shaped sections. M.S jacketed tank with high temperature and corrosion resistant EPOXY coating will be provided and the tank will be PUF insulated which is suitable for 6 bar water pressure. In case of Piping System 1" G.I with 90 mm PUF Pipe Insulation (standard - 22 mtr.) will be provide between solar tanks and panels.

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar PV Panels & Solar Water Heating System	1% of the Demand Load i.e 26 kVA / day & 20% of Hot Water Demand i.e 2.4 KLD Hot Water will be provided by Solar Water Heating System.

50. Details of pollution control Systems

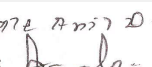

Source	Existing pollution control system	Proposed to be installed
Water	NA	Mobile STP will be provided during construction activity. Operational Phase: STP - Capacity - 200 KLD - Upto Tertiary Treatment. ETP - Capacity - 10 KLD - Upto Advanced Tertiary Treatment

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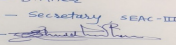
Solid Waste	NA	Biodegradable - 122 Kg / day - will be used for Composting. STP Sludge - 34 kg/day - Dry sludge shall be used as manure. Non-biodegradable - 253 Kg / day - will be handed over to Authorized Recycler. Biomedical - 111 kg / day - will be handed over to Authorized Recycler for incineration. Hazardous (ETP Sludge) - 1.6 kg / Day - will be handed over to Water Grace BMW & Hazardous Waste Management Services.
Noise	NA	There will be noise generation during constructional phase due to the use of machineries Mitigation measures: • Noisy work shall be carried out during daytime only • Vehicles deployed to the site shall be monitored for proper maintenance through contractor • Machineries and equipments shall be maintained as per manufacturers instruction • The contractor of material transportation shall be advised to identify the time in the day for vehicular transportation and avoid queuing of trucks in and out
Land & Soil	NA	Project proponent will take all reasonable precautions to make its solid waste storage areas impervious to water and leachate migration. This will prevent soil contamination. Project Proponent will provide pucca RCC flooring at Solid Wastes storages to avoid any contamination with soil during handling, spillages activity. Not applicable
Air	NA	Construction Phase: Fugitive Emissions from handling of construction materials - Throwing materials from higher level shall be avoided to reduce dust generation. Material storage shall be constructed at easily accessible point. Use of lifts during construction shall be advised to avoid accidents. Water sprinkling, installation of wind breakers in the form of site barricades, paved roads shall mitigate the impact.

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	2600000
	O & M cost:	200000

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

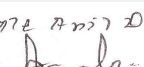

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water Sprinkling, Green Belt Development, Covered storage area	2500000
2	Noise Environment	Site Baricades and Green Belt Developments	1800000
3	Water Environment	Modular STP , Drainage with sedimentation tanks	1000000
4	Good Health Practices	Site Sanitation & Health Care	1200000
5	Environment Monitoring	Air, water ,noise soil monitoring during construction phase	1500000

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

S.D.Aher (Secretary SEAC-III)

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b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Water Environment	RWH	2000000	50000
2	Bio-degradable Solid Waste	OWC	1500000	150000
3	Effluent Treatment	ETP	1000000	50000
4	Sewage Treatment	STP	7200000	150000
5	Air, Land & Soil Environment	Landscaping	1200000	200000
6	Renewable Energy	Non Conventional Energy System	2600000	200000
7	Biomedical Waste	Biomedical Waste Management	1500000	200000

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

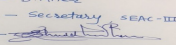
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
HSD	NA	Fuel Storage	1000 Ltrs.	1000 Ltrs.	3282 Ltr./M	Local Source	Sealed MS Drums and through Closed Containers

52.Any Other Information

No Information Available

53.Traffic Management

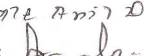
Nos. of the junction to the main road & design of confluence:	NA
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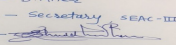
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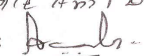
Parking details:	Number and area of basement:	Hospital Building 'A' Wing -1 Basement & and 'B' Wing 1 Basement : Total Area - 6343 m2.
	Number and area of podia:	NA
	Total Parking area:	6037.5
	Area per car:	12.5
	Area per car:	12.5
	Number of 2-Wheelers as approved by competent authority:	1450
	Number of 4-Wheelers as approved by competent authority:	483
	Public Transport:	NA
	Width of all Internal roads (m):	6.0
	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	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		

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S.D.Aher (Secretary SEAC-III)

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Shri. Anil Kale (Chairman SEAC-III)

**Environment Clearance for Change in the Use of Existing IT Building as Hospital
ASHOKA MEDICOVER HOSPITAL at Plot No.02, S.No 113/2, Indiranagar Wadala Road,
Wadala, Nashik - 422009, Maharashtra.**

PP submitted their application for prior Environmental clearance for total plot area of 14089 Sq. Mtrs, BUA of 34116.7 Sq. Mtrs and FSI area of 30633.26 Sq. Mtrs. PP proposes to construct Hospital Building (2 wings).

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

DECISION OF SEAC

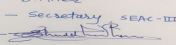
PP requested for time to submit above information; after deliberations committee asked PP to comply with the above observations and submit information to the committee for further discussion and consideration of SEAC.

Specific Conditions by SEAC:

- 1) 1. PP to submit original authority letter in case of absence.
- 2) 2. PP to submit the details regarding the change of use of the project.
- 3) 3. PP to submit explanation regarding the changes in name of PP.
- 4) 4. PP to make proper changes in the CS accordingly.
- 5) 5. PP to submit the details of the earlier project such as extra FSI used for IT park ,the status of earlier EC,the incentives availed for earlier project.
- 6) 6) PP to submit NOC from Commissioner Industries ,Government of Maharashtra and Municipal Commissioner, Nasik Municipal Corporation, Nasik for change of use from IT Building to Hospital .
- 7) 7) PP to submit details of plot sub division and purpose thereof .
- 8) 8) PP to submit details of Internal circulation with road width should be revised with showing clear road width of 6 meters and turning radius of 9 meters;
- 9) 9) PP to submit cross section of roads at four places showing clear road width 6 meter , 1.5 meter distance left from building line, spaces left for plantation, footpath, service lines etc
- 10) 10) PP to submit revised parking statement mentioning parking as per DCR & parking provided actually.
- 11) 11) PP to submit fire tender movement plan.
- 12) 12) PP to submit details of STP.
- 13) 13) PP to submit site specific executable and auditable EMP
- 14) 14) PP to submit cross section of all buildings.
- 15) 15) PP to submit waste management plan details with its transport, collection, storage and disposal for all types of wastes like hazardous waste, non-hazardous waste, solid waste, E- waste, and debris/excess earth etc.;PP to submit OWC details.
- 16) 16) PP to submit socio-economic infrastructure details of project vicinity.
- 17) 17) PP to obtain and submit following NOC's: a)CFO NOC,b)Water supply NOC with quantity, c)Drainage NOC,d)Non-biodegradable waste disposal.
- 18) 18) PP to submit details of Energy saving along with calculations.
- 19) 19) PP to submit revised list of trees.

FINAL RECOMMENDATION

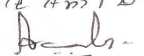
SEAC-III decided to defer the proposal till PP submits the additional information as per above conditions within 30 days

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

S.D.Aher (Secretary SEAC-III)

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Name: K. Anil Kale
Signature: 

Shri. Anil Kale (Chairman SEAC-III)