

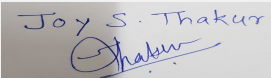
Agenda of 74th Meeting of SEAC-3 (DAY-1)

SEAC Meeting number: 74 Meeting Date October 25, 2018

Subject: Environment Clearance for Environment Clearance for Proposed Amendment in Environmental Clearance of Mixed Use Development Project

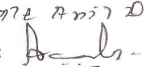
Is a Violation Case: No

1.Name of Project	addressOne
2.Type of institution	Private
3.Name of Project Proponent	Peninsula Land Ltd. (an Ashok Piramal Group company)
4.Name of Consultant	Building Environment India Pvt.Ltd.
5.Type of project	Housing 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	The project received Environmental Clearance on 17th October, 2011 vide File. No.: SEAC-2010/CR.892/TC.2 for a total plot area of 2, 02,857.00 sq.mt and B.U.A of 2, 65,233.20 sq.mt (FSI Area: 1, 62,117.20 sq.mt and Non-FSI Area: 1, 03,116.00 sq.mt) in the name of M/s. City Parks Pvt.Ltd. with a validity date 17th October, 2016. Later on the M/s. City Parks Pvt.Ltd merged into Peninsula Land Ltd. As per OM dated 12th April, 2016 by MoEF &CC regarding the Extension of validity of Environmental Cle
8.Location of the project	Gut no 184, 186, 190, 192, 195, 222, 223, 224 at Gahunje, Pune.
9.Taluka	Maval
10.Village	Gahunje
Correspondence Name:	Mr. Chandrashekhar Ogale (Authorised Signatory Peninsula Land Ltd)
Room Number:	1, Peninsula Spenta,
Floor:	1, Peninsula Spenta,
Building Name:	1, Peninsula Spenta,
Road/Street Name:	Mathuradas Mill, Senapati Bapat Marg,
Locality:	Lower Parel
City:	Mumbai 400013
11.Area of the project	Pune Metropolitan Region Development Authority (PMRDA)
12.IOD/IOA/Concession/Plan Approval Number	Concession Layout approved by PMRDA
	IOD/IOA/Concession/Plan Approval Number: Plot A: BMA/C.R.No-1282/17-18/Mouza Gahunje, G.No-184 & Ors Dt: 01.02.2018; Plot B: BMA/C.R.No-1282/17-18/Mouza Gahunje, G.No-184 & Ors , Dt: 01.02.2018
	Approved Built-up Area: 241695
13.Note on the initiated work (If applicable)	Work not yet started
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	1,98,200.00 sq.mt
16.Deductions	(a) 4,778.19 sq.mt Road Set Back (b) 29,013.22 sq.mtrs Amenity Plots, Total: 33,791.41 sq.mt
17.Net Plot area	1,64,408.59 sq.mt
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): Plot A- 92,230.41 sq.mt.; Plot B- 82,736.46 sq.mt; Club House on Plot A- 1,662.73 sq.mt; Club House on Plot B- 1,238.59 sq.mt. ; Total: 1,77,868.19 sq.mt.
	b) Non FSI area (sq. m.): Plot A- 24,278.70 sq. mt.; Plot B- 32,747.22 sq. mt.; Club House on Plot A- 962.73 sq.mt.; Club House on Plot B- 838.59 sq.mt.; Services Area- 5,000.00 sq.mt.; Total: 63,827.24 sq.mt.
	c) Total BUA area (sq. m.): 241695
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)	Plot A- 21,701.10 sq.mt.; Plot B- 10,627.02 sq.mt.; Club House on Plot A- 1108.00 sq.mt.;Club House on Plot B- 825.72 sq.mt.; Total: 34,261.84 sq.mt.


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

20. Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	20.83%
21. Estimated cost of the project	8723394303

22. Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Plot A, 113 Nos.	G+4 upper flrs.	14.95 mt
2	Plot B, 18 Nos.	G+11 upper flrs.	36.00 mt.
3	Plot A Club House , 9 Nos.	G+1	8.40 mt
4	Plot B Club House , 4 Nos.	G+1	8.40 mt

23. Number of tenants and shops	Plot A: Residential Apartments : 2240 nos. Shops on : 30 Nos. Plot B: Residential Apartments : 792 nos Total Residential Units: 3032 Nos. Total Shops: 30 Nos.
24. Number of expected residents / users	Plot A: 9,708.00 Nos.; Plot B: 4356.00 Nos.; Total: 14,064.00 Nos.
25. Tenant density per hectare	154.49 Tenants / 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))	18.00 mtrs
28. Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	NA
29. Existing structure (s) if any	NA
30. Details of the demolition with disposal (If applicable)	Currently open land, construction not yet started . No existing structures on site to be demolished.

31. Production Details

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

32. Total Water Requirement

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Dry season:	Source of water	PCMC/ Recycled Water								
	Fresh water (CMD):	Plot A: 847.00 ; Plot B:393.00; Total: 1240.00								
	Recycled water - Flushing (CMD):	Plot A: 508.00 ; Plot B:251.00; Total: 759.00								
	Recycled water - Gardening (CMD):	Plot A: 84.80; Plot B:54.00; Total:139.00								
	Swimming pool make up (Cum):	NA								
	Total Water Requirement (CMD) :	Plot A: 1440.00; Plot B: 698.00; Total: 2138.00								
	Fire fighting - Underground water tank(CMD):	For Plot B: 150.00 KLD								
	Fire fighting - Overhead water tank(CMD):	For Plot B: 18 x 5.00 KLD								
	Excess treated water	Plot A: 408.00, Plot B: 197.00; Total: 605.00								
Wet season:	Source of water	PCMC/ Recycled Water								
	Fresh water (CMD):	Plot A: 847.00 ; Plot B:393.00; Total: 1240.00								
	Recycled water - Flushing (CMD):	Plot A: 508.00 ; Plot B:251.00; Total: 759.00								
	Recycled water - Gardening (CMD):	--								
	Swimming pool make up (Cum):	NA								
	Total Water Requirement (CMD) :	Plot A: 1355.00; Plot B: 644.00; Total: 1999.00								
	Fire fighting - Underground water tank(CMD):	For Plot B: 150.00 KLD								
	Fire fighting - Overhead water tank(CMD):	For Plot B: 18 x 5.00 KLD								
	Excess treated water	Plot A: 493.00, Plot B: 251.00; Total: 744.00								
Details of Swimming pool (If any)	--									
33.Details of Total water consumed										
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)			
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total	
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	

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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	Ground water table is reported at depths between 1.0m and 4.25m below ground surface in the boreholes completed for original geotechnical investigation during rainy seasons
	Size and no of RWH tank(s) and Quantity:	---
	Location of the RWH tank(s):	--
	Quantity of recharge pits:	Plot A:11 Nos.; Plot B: 9 Nos.; Total: 20 Nos.
	Size of recharge pits :	3.00 mt x 35.00 mt. depth
	Budgetary allocation (Capital cost) :	Attached
	Budgetary allocation (O & M cost) :	Attached
	Details of UGT tanks if any :	Underground tank of adequate capacity will be provided for Domestic, Flushing, fire Fighting, STP, RWH Plot A: Domestic: Sec-1:118.00 KLD; Sec-2:117.00 KLD & 163.00 KLD; Sec-3: 217.00 KLD; Sec-4:231.00 KLD; Plot B: Domestic: 393.00 KLD; Plot A: Flushing: Sec-1:67.00 KLD; Sec-2:63.00 KLD & 99.00 KLD; Sec-3: 124.00 KLD; Sec-4:154.00 KLD; Plot B: Flushing: 251.00 KLD;
35.Storm water drainage	Natural water drainage pattern:	slope towards west
	Quantity of storm water:	0.17 m3 /sec
	Size of SWD:	Attached
Sewage and Waste water	Sewage generation in KLD:	Plot A: 1107.00; Plot B: 551.00; Total : 1658.00
	STP technology:	MBBR
	Capacity of STP (CMD):	Plot A: Sector-1: 1x 155.00 KLD; Sector-2: 1 x 152.00 KLD & 1 x 211.00 KLD; Sector-3 : 1 x 282.00 KLD; & Sector-4 : 1x 301.00 KLD ;Plot B: 1) 1X510 KLD
	Location & area of the STP:	Under ground
	Budgetary allocation (Capital cost):	attached
	Budgetary allocation (O & M cost):	attached
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	0.81 T/day
	Disposal of the construction waste debris:	waste generation from proposed phases 30% will be recycled on site & remaining will be handed over to Authorised Recycles as per C&D waste Management Rule,2016
Waste generation in the operation Phase:	Dry waste:	Plot A:1099.00 Kg/day; Plot B: 815.00 Kg/day; Total: 1914.00 Kg/day
	Wet waste:	Plot A: 1959.00 Kg/day; Plot B: 656.00 Kg/day; Total: 2615.00 Kg/day
	Hazardous waste:	Spent pol from DG
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Plot A: 173.00 Kg/day; Plot B: 87.00 Kg/day; Total: 260.00 Kg/day
	Others if any:	--

Mode of Disposal of waste:	Dry waste:	Will be handed over to Authorised Recyclers as per MSW Rule,2016
	Wet waste:	Will be treated in OWC
	Hazardous waste:	waste generation from Phase-I , used for land levelling purpose; from proposed phases 30% will be recycled on site & remaining will be handed over to Authorised Recycles as per C&D waste Management Rule,2016
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Will be used as manure
	Others if any:	--
Area requirement:	Location(s):	attached
	Area for the storage of waste & other material:	attached
	Area for machinery:	attached
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	attached
	O & M cost:	attached

37.Effluent Charecterestics

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

38.Hazardous Waste Details

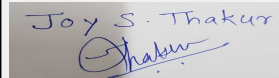
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

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

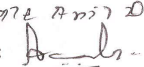
40.Details of Fuel to be used

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

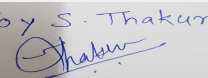

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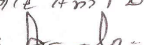
Name: K ०१२ Anil D.
Signature: 
Shri. Anil Kale (Chairman SEAC-III)

41.Source of Fuel		Not applicable		
42.Mode of Transportation of fuel to site		Not applicable		
43.Green Belt Development	Total RG area :	PLOT A- 11084.88 sq.mt . PLOT B- 8257.26 sq.mt ;Total 19,342.14 sq.mt		
	No of trees to be cut :	Attached		
	Number of trees to be planted :	Attached		
	List of proposed native trees :	Attachd		
	Timeline for completion of plantation :	Throughout the construction phase		
44.Number and list of trees species to be planted in the ground				
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Attachd	Attachd	Attachd	Attachd
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	Attachd	Attachd	Attachd	
47.Energy				
Power requirement:	Source of power supply :	MSEDCL		
	During Construction Phase: (Demand Load)	274.00 kW		
	DG set as Power back-up during construction phase	62.50 kVA & 50.00 kVA		
	During Operation phase (Connected load):	Plot A: 5051.29 KW; Plot B: 5373.25 KW; Total: 10,424.54 KW		
	During Operation phase (Demand load):	Plot A: 3411.93 KW; Plot B: 2580.39 KW; Total: 5992.32 KW		
	Transformer:	Plot A: Sector-1: 1000 kVA-1 Nos.; Sector-2: 1000 kVA-2Nos. & 630 kVA-1 Nos.; SEctor 3& 4: 1000 kVA-4Nos & 315 kVA-1Nos; Plot-B: 4x1000 KVA		
	DG set as Power back-up during operation phase:	Plot A: Sector-1: 200 kVA-1Nos.; Sector-2: 160 kVA-1Nos. & 200 kVA-1Nos.; SEctor 3& 4: 1600 kVA-1Nos.; Plot-B: 1x 630 KVA		
	Fuel used:	Diesel		
Details of high tension line passing through the plot if any:	No			
48.Energy saving by non-conventional method:				

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Attached
Plot A: 23.76 %
Plot A: 29.98%

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Attached	Attached

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:	Attached
	O & M cost:	Attached

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 Pollution	Water Sprinkling	6.50
2	EHS	Site Sanitation,Health Checkup, Labour Children Creche	12.00
3	Env Monitoring	--	2.00

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Attached	Attached	Attached	Attached

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

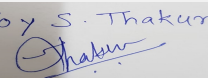
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

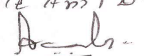
53.Traffic Management

Nos. of the junction to the main road & design of confluence:	Attached
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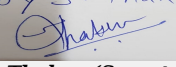
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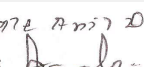
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Parking details:	Number and area of basement:	--
	Number and area of podia:	--
	Total Parking area:	Plot A (Car- 4412.5 Sq.Mt., Scooter - 9326 Sq.Mt. Cycle 6528.2 Sq.Mt.) Plot B (Car- 4,950 Sq.Mt., Scooter - 2376 Sq.Mt. Cycle 1,663.2 Sq.Mt.)
	Area per car:	--
	Area per car:	--
	Number of 2-Wheelers as approved by competent authority:	Plot A (Scooter - 4663, cycle 4663) Plot B (Scooter - 1188, cycle 1188)
	Number of 4-Wheelers as approved by competent authority:	Plot A (Car- 353) Plot B (Car- 396)
	Public Transport:	--
	Width of all Internal roads (m):	--
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	--
	Category as per schedule of EIA Notification sheet	8b
	Court cases pending if any	No
	Other Relevant Informations	--
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-
TOR Suggested Changes		
Consolidated Statement Point Number	Original Remarks	Submitted Changes
Subject:	Environment Clearance for Environment Clearance for Proposed Amendment in Environmental Clearance of Mixed Use Development Project	Environment Clearance for Proposed Amendment in Environmental Clearance of Mixed Use Development Project on Gut no 184, 186, 190, 192, 195, 222, 223, 224 at Village Gahunje, Taluka - Maval, Dist.-Pune. by Peninsula Land Ltd. (an Ashok Piramal Group company)
SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS		

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Brief information of the project by SEAC

Environment Clearance for Proposed Amendment in Environment Clearance for Mixed use Development on Gut No. 184, 186, 190, 192, 195, 222, 223, 224 at Gahunje, Tal Marvel, Dist- Pune by M/s. Peninsula Land Ltd (Ashok Piramal Group Company) .

PP submitted their application for prior Environmental clearance for total plot area of 198200.00 m², FSI area of 177868.19 m², non-FSI area of 63827.24 m² and Total BUA of 241695.43 m².

The Committee noted that the project received previous EC on 17th October, 2011 vide File. No.: SEAC-2010/CR.892/TC.2 for a total plot area of 202857.00 sq.mt and BUA of 265233.20 m² (FSI Area: 162117.20 m² and Non-FSI Area: 103116.00 m²) in the name of M/s. City Parks Pvt. Ltd. Later on the M/s. City Parks Pvt. Ltd. merged into Peninsula Land Ltd.

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) B1.

DECISION OF SEAC

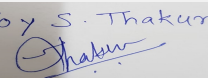
PP requested for time to submit above information; after deliberations committee asked PP to **comply with the above observations** and submit information to the committee for further discussion and consideration of SEAC.

Specific Conditions by SEAC:

- 1) PP to submit details of CER activities in consultation with the affected people in the project area as per MoEF&CC circular dated 01.05.2018 with details of fund utilization & agreement with executor.
- 2) PP to submit affidavit regarding registration and implementation of PMAY scheme.
- 3) PP to submit Fire Tender Movement Plan showing clear road width of 6 meters and turning radius of 9 meters ; PP to submit cross section of roads at four places including UGT , OWC and DG set location showing clear road width 6 meter, 1.5 meter distance left from building line & spaces left for plantation, parking, service lines, foot paths, etc.
- 4) PP to submit revised parking layout plan and parking statement showing locations of 4W, 2W and cycles.
- 5) PP to submit CFO NOC.
- 6) PP to submit the Plan showing alignment of storm water drain, the depth along with chambers and final disposal point & section through the internal road. showing place left for planting of trees. Sewage water drain internal road and space left between, building & internal Road.
- 7) PP to submit list of existing trees. PP to submit revised RG plan with additional local native species trees.

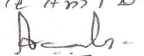
FINAL RECOMMENDATION

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

Joy S. Thakur

Joy S. Thakur (Secretary
SEAC-III)

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

Agenda of 74th Meeting of SEAC-3 (DAY-1)

SEAC Meeting number: 74 Meeting Date October 25, 2018

Subject: Environment Clearance for Residential cum commercial construction project

Is a Violation Case: No

1.Name of Project	Topaz
2.Type of institution	Private
3.Name of Project Proponent	Indus Landmarks
4.Name of Consultant	oasis environmental foundation, accredited by NABET, the scope of consultancy is limited to preparation of environmental management plan only. In accordance with EIA amendment notification 3rd March 2016)
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	Sr. No.117, Opp. S.B. Patil Public School, Ravet, Pune
9.Taluka	Haveli
10.Village	Ravet
Correspondence Name:	Mr. Gokul Gaikwad
Room Number:	502
Floor:	5th
Building Name:	Astral Court, Wing-A
Road/Street Name:	S.No. 137+138
Locality:	Marutrao gaikwad nagar, aundh
City:	Pune
11.Area of the project	PCMC
12.IOD/IOA/Concession/Plan Approval Number	In Process IOD/IOA/Concession/Plan Approval Number: In Process Approved Built-up Area:
13.Note on the initiated work (If applicable)	Not Applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	1632.52 sqm
15.Total Plot Area (sq. m.)	9210.00
16.Deductions	999.23
17.Net Plot area	8210.77
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 16037.12 b) Non FSI area (sq. m.): 17677.89 c) Total BUA area (sq. m.): 33715.01
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): Approved Non FSI area (sq. m.): Date of Approval: 01-01-1900
19.Total ground coverage (m2)	2265.88
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	24.6
21.Estimated cost of the project	500000000

22.Number of buildings & its configuration

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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Wing A	P + Stilt + 6 Floors	23.70
2	Wing B	P + Stilt + 9 Floors	33.75
3	Wing C	P + Stilt + 9 Floors	33.75
4	Wing D	P + Stilt + 9 Floors	33.75
5	Wing E	P + Stilt + 9 Floors	33.75
6	Wing F	P + Stilt + 9 Floors	33.75
7	Commercial	G+1	6
8	Commercial	G+1	6

23.Number of tenants and shops	Residential -290 Shops - 4 Office - 4
24.Number of expected residents / users	Residential: 1450 No. Commercial - 34 Total: 1484
25.Tenant density per hectare	250/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))	18 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	Not Applicable
30.Details of the demolition with disposal (If applicable)	Not Applicable

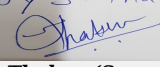
31.Production Details

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

32.Total Water Requirement


 Joy S.Thakur (Secretary SEAC-III)	SEAC Meeting No: 74 Meeting Date: October 25, 2018	Page 11 of 160	Name: K ०१६ ११११ २० Signature:  Shri. Anil Kale (Chairman SEAC-III)
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Dry season:	Source of water	PCMC								
	Fresh water (CMD):	139								
	Recycled water - Flushing (CMD):	67								
	Recycled water - Gardening (CMD):	6								
	Swimming pool make up (Cum):	Not Applicable								
	Total Water Requirement (CMD) :	211								
	Fire fighting - Underground water tank(CMD):	250								
	Fire fighting - Overhead water tank(CMD):	20								
	Excess treated water	113								
Wet season:	Source of water	PCMC								
	Fresh water (CMD):	139								
	Recycled water - Flushing (CMD):	67								
	Recycled water - Gardening (CMD):	0								
	Swimming pool make up (Cum):	Not Applicable								
	Total Water Requirement (CMD) :	211								
	Fire fighting - Underground water tank(CMD):	250								
	Fire fighting - Overhead water tank(CMD):	20								
	Excess treated water	118								
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	139	139	Not applicable	14	14	Not applicable	125	125	
Gardening	Not applicable	6	6	Not applicable	6	6	Not applicable	0	0	

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Name: **Kale Anil D.**

Shri. Anil Kale (Chairman SEAC-III)

34.Rain Water Harvesting (RWH)	Level of the Ground water table:	15-20 below ground level	
	Size and no of RWH tank(s) and Quantity:	NA	
	Location of the RWH tank(s):	NA	
	Quantity of recharge pits:	3 no.	
	Size of recharge pits :	2 m. X 2 m. X 1.5 m	
	Budgetary allocation (Capital cost) :	3 lacs	
	Budgetary allocation (O & M cost) :	0.18 lacs	
	Details of UGT tanks if any :	Residential: Domestic UG tank Capacity: 210 KL Treated Water UG tank Capacity: 50 KL Fire UG tank Capacity: 250 KL Commercial: Not Applicable Domestic UG tank Capacity: Considered in Residential Area Flushing UG tank Capacity: Considered in Residential Area Capacity: Considered in Residential Area	
35.Storm water drainage	Natural water drainage pattern:	As per contour	
	Quantity of storm water:	543 m3/hr	
	Size of SWD:	300 mm	
Sewage and Waste water	Sewage generation in KLD:	184.88	
	STP technology:	MBBR Technology	
	Capacity of STP (CMD):	1 and 190 KLD	
	Location & area of the STP:	Plan enclosed	
	Budgetary allocation (Capital cost):	21.00 lacs	
	Budgetary allocation (O & M cost):	10.68 lacs	
36.Solid waste Management			
Waste generation in the Pre Construction and Construction phase:	Waste generation:	1% of raw material	
	Disposal of the construction waste debris:	Excavated earth material will be used for filling material for plinth area and top soil for landscaping.	
Waste generation in the operation Phase:	Dry waste:	295 kg/day	
	Wet waste:	438 kg/day	
	Hazardous waste:	NA	
	Biomedical waste (If applicable):	NA	
	STP Sludge (Dry sludge):	57 kg/day	
	Others if any:	NA	
Joy S.Thakur (Secretary SEAC-III)	SEAC Meeting No: 74 Meeting Date: October 25, 2018	Page 13 of 160	Signature:  Shri. Anil Kale (Chairman SEAC-III)

Mode of Disposal of waste:	Dry waste:	Authorized vender
	Wet waste:	organic waste converter
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	used as manure after owc convertor
	Others if any:	Not Applicable
Area requirement:	Location(s):	Plan Enclosed
	Area for the storage of waste & other material:	53 Sq. m
	Area for machinery:	42 Sq. m
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	14,75,000
	O & M cost:	3,17,431

37. Effluent Charecterestics

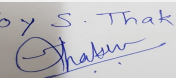
Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	Not applicable	6.5-8.0	6.5-8.0	Not applicable
2	Total Suspended solids	mg/l	200	10	50
3	BOD	mg/l	300	10	10
4	COD	mg/l	400	30	250
5	Nitrogen	mg/l	40-50	5-10	Not applicable
6	Phosphurus	mg/l	5-7	05	Not applicable
7	Oil and Grease	mg/l	10-50	1-5	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

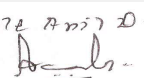
39. Stacks emission Details

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

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Name: K. Anil Kale

 Shri. Anil Kale (Chairman SEAC-III)

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 :	958.5 sqm
	No of trees to be cut :	0
	Number of trees to be planted :	171
	List of proposed native trees :	As below listed
	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	mimusops elengi	Bakul	12	Midium size evergreen tree. Beautiful white flowers.
2	Nyctanthes arbor-tristis	Parijatak	15	Small Deciduous tree. Flowers white with orange petal tube.
3	Cassia fistula	Bahawa	13	Small Deciduous tree. Flowers yellow.
4	Putranjiva roxburghii	Puntranjiva	22	Small sized evergreen tree. Beautiful greenish yellow flowers.
5	Lagerstromia speciosa	Tahman	13	Small to medium sized. Flowers with white to purple petals.
6	Michelia champaca	Sonchafa	10	Large evergreen tree. Flowers yellow.
7	Saraca asoka	Seeta ashok	10	Small sized evergreen tree. Flowers reddish orange.
8	Terminilia arjuna	Arjun	8	Large deciduous tree. Flower small yellow.
9	Hevea brasiliensis	Rubber tree	8	Large deciduous tree. Flowers creamy yellow.
10	Anthocephallus cadamba	Kadamb	8	Large evergreen tree. Flowers creamish white.
11	Pterocarpus santalinus	Rakta Kanchan	8	Large deciduous tree. Flowers yellow.
12	Bauhinia racemosa	Pivla Kanchan	8	Small sized deciduous tree. Flowers white.
13	Mangifera indica	Mango	1	Large sized evergreen tree. Flowers small green.
14	Caryota urens	Fishtail Palm	4	Large Palm. Male flowers red, female flowers green.
15	Woodyetia bifurcata	Foxtail Palm	31	Larhe Palm. Stem single, with shallow, close rings of leaf bases.

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	Not Applicable	0	0

47.Energy

Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	75 KW
	DG set as Power back-up during construction phase	125 KVA
	During Operation phase (Connected load):	1324 KW
	During Operation phase (Demand load):	723 KW
	Transformer:	630 KVA X 1Nos. + 315 KVA X 1
	DG set as Power back-up during operation phase:	125 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:

- ? Use of LED in Parking area, lift-lobby and stair-case.
- ? Using Solar system in Common Area Lighting (10%). & Street/ Landscape lights with LED lamps.
- ? V3F drive is proposed for all lifts.
- ? As per MSEDCL requirements, it is recommended to use low loss Transformer. Losses for Transformer shall, in principal, comply with ECBC norms.
- ? Recommend to attain power factor of the installation near unity.
- ? Independent Energy meters for all pollution control equipments.
- Annual Savings with energy efficient equipment's is 3% to 4%

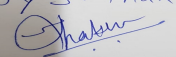
49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar water heater	10.12 %
2	Common lighting using LED/T5/CFL	2.3 %

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Sewage generation	Not applicable	STP
Biodegradable Waste	Not applicable	OWC

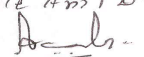
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	5100000
	O & M cost:	248000

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Name: K. Anil Kale


Shri. Anil Kale (Chairman SEAC-III)

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

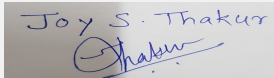
Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Erosion control	Dust suppression measures & barricading	5.0
2	Site Safety	Nets, Barricade	2.0
3	Site Sanitation	Public toilets	2.0
4	Disinfection & health check up	For Labour	2.0
5	Environmental Monitoring	STP, OWC	1.20

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 plan (including external discharge to ULB sewer line)	To treat Waste water	21.00	10.68
2	Solid waste management	To treat solid waste	14.75	3.18
3	Rain water harvesting (including external discharge)	To save water	3.0	0.18
4	Landscape development	to maintain greenery on site	15.28	1.14
5	storm water management	to collect rain water & reuse	3.25	1.0
6	Conventional Energy (Solar water Heater)	to save electrical energy	25.9	0.41
7	Conventional Energy (solar street light)	to save electrical energy	13.5	0.9
8	Environmental Monitoring	to maintain provided environmental services	---	1.20
9	Safety training & awareness	for labours	6.0	1.5
10	water supply through tanker	in absence of water supply from PCMC	---	4.0

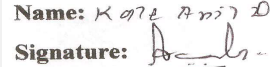
51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)

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


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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Not Applicable
Parking details:	Number and area of basement:	Not Applicable
	Number and area of podia:	Not Applicable
	Total Parking area:	7085.20
	Area per car:	30 sqm
	Area per car:	30 sqm
	Number of 2-Wheelers as approved by competent authority:	604
	Number of 4-Wheelers as approved by competent authority:	153
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	6m
	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	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

Summorised in brief information of Project as below.

Brief information of the project by SEAC

 Joy S.Thakur (Secretary SEAC-III)	SEAC Meeting No: 74 Meeting Date: October 25, 2018	Page 18 of 160	Name: K 072 Anil D. Signature: Anil D. Shri. Anil Kale (Chairman SEAC-III)
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Environment Clearance for Residential cum commercial construction project Topaz Sr. No.117, Opp. S.B. Patil Public School, Ravet, Pune , Ravet Haveli, Pune by M/s. Indus Landmarks.

PP submitted their application for prior Environmental clearance for total plot area of 9210.00 Sq. Mtrs, BUA of 33715.01 Sq. Mtrs and FSI area of 16037.12 Sq. Mtrs. PP proposes to construct 8 no. residential & commercial building (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

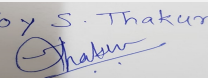
PP requested for time to submit above information; after deliberations committee asked PP to comply with the above observations and submit information to the committee for further discussion and consideration of SEAC.

Specific Conditions by SEAC:

- 1) PP to submit details of CER activities in consultation with the affected people in the project area as per MoEF&CC circular dated 01.05.2018 with details of fund utilization & agreement with executor.
- 2) PP to submit NOC from the adjoining plot owner to allow to lay the sewer line & SWD up to final disposal point through their land.
- 3) PP to submit revised fire tender movement plan width 7.5 m at all point and include slop 1:10. PP to submit revised parking layout and parking statement
- 4) PP to submit revised STP drawing and ensure aeration tank open to sky.
- 5) PP to submit cross sections of driveway at 4-5 places.

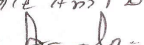
FINAL RECOMMENDATION

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

Joy S. Thakur

Joy S. Thakur (Secretary
SEAC-III)

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Name: K. Anil Kale

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

Agenda of 74th Meeting of SEAC-3 (DAY-1)

SEAC Meeting number: 74 Meeting Date October 25, 2018

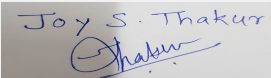
Subject: Environment Clearance for Construction Project by M/s Amalfi Realty Pvt Ltd.

Is a Violation Case: No

1.Name of Project	Dominion Park
2.Type of institution	Private
3.Name of Project Proponent	Mr. Nandkumar Bhalchandra Bhondve
4.Name of Consultant	M/s JV Analytical Services
5.Type of project	Commercial 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-III-2015/CR-95/TC-3 dated 21st September, 2016.
8.Location of the project	S.No.12 , Hissa No.1 to 7 , Plot D , Bhondve Estate ,
9.Taluka	Mulshi
10.Village	Punavale
Correspondence Name:	Mr. Nandkumar Bhalchandra Bhondve
Room Number:	Survey No. 183,
Floor:	-
Building Name:	-
Road/Street Name:	MIDC Road,
Locality:	Po-Ravet, Tal. Haveli
City:	Pune
11.Area of the project	Pimpri Chinchwad Municipal Corporation (PCMC)
12.IOD/IOA/Concession/Plan Approval Number	Received
	IOD/IOA/Concession/Plan Approval Number: B.P./Env/Punawale/10/2018
	Approved Built-up Area: 48322.31
13.Note on the initiated work (If applicable)	Only Excavation is completed.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	59785.84 m2
16.Deductions	10657.61 m2
17.Net Plot area	49128.23 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 22068.05
	b) Non FSI area (sq. m.): 26254.27
	c) Total BUA area (sq. m.): 48322.31
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 22068.05
	Approved Non FSI area (sq. m.): 26254.27
	Date of Approval: 10-08-2018
19.Total ground coverage (m2)	9353.48 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	15.64 % of total plot area (59785.84 m2) ,19.03 % of net plot area (49128.23 m2)
21.Estimated cost of the project	1616200000

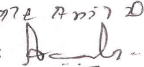
22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
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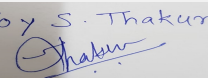

Joy S.Thakur (Secretary
SEAC-III)

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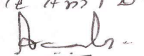
Name: K. Anil Kale
Signature: 
**Shri. Anil Kale (Chairman
SEAC-III)**

1	Block - A	B+G+3	17.65	
2	Block - B	B+G+5	22.00	
3	Block - C	B+G+3	15.10	
4	Block - D	B+G+5	21.95	
5	Block - E	B+LG+G+3	18.50	
23.Number of tenants and shops	No. of Tenements: NA Shops: 34 Nos. Showrooms: 07 Nos. F & B: 01 No. Offices: 60 Nos.			
24.Number of expected residents / users	Commercial Users: 4533 Nos. , Floating Population: 900 Nos.(15% floating + 50% drivers), Total Users: 5433 Nos.			
25.Tenant density per hectare	NA			
26.Height of the building(s)				
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	60 m wide road			
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	7.5 m			
29.Existing structure (s) if any	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				

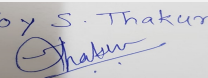
Joy S. Thakur

Joy S.Thakur (Secretary SEAC-III)

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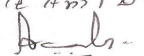
Name: K. Anil Kale

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

Dry season:	Source of water	Pimpri-Chinchwad Municipal Corporation							
	Fresh water (CMD):	271.32 m3/day (One time)							
	Recycled water - Flushing (CMD):	122.32 m3/day							
	Recycled water - Gardening (CMD):	53.84 m3/day							
	Swimming pool make up (Cum):	NA							
	Total Water Requirement (CMD) :	95.16 m3/day							
	Fire fighting - Underground water tank(CMD):	400.00 m3							
	Fire fighting - Overhead water tank(CMD):	40 m3							
	Excess treated water	19.58 m3/day							
Wet season:	Source of water	Pimpri-Chinchwad Municipal Corporation							
	Fresh water (CMD):	217.48 m3/day (One time)							
	Recycled water - Flushing (CMD):	122.32 m3/day							
	Recycled water - Gardening (CMD):	NA							
	Swimming pool make up (Cum):	NA							
	Total Water Requirement (CMD) :	95.16 m3/day							
	Fire fighting - Underground water tank(CMD):	400.00 m3							
	Fire fighting - Overhead water tank(CMD):	40 m3							
	Excess treated water	73.42 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
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

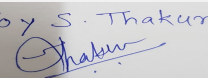
Joy S. Thakur

Joy S.Thakur (Secretary SEAC-III)

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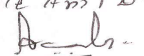
Name: K. Anil Kale

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

34.Rain Water Harvesting (RWH)	Level of the Ground water table:	Ground Water Table: Pre monsoon: 15 m to 20 m Below ground level, Post monsoon : 6 m to 8 m Below ground level
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	25 Nos.
	Size of recharge pits :	2.00 m x 2.00 m x 2.00 m
	Budgetary allocation (Capital cost) :	Rs. 5.15 Lakh
	Budgetary allocation (O & M cost) :	Rs. 0.35 Lakh/year
	Details of UGT tanks if any :	Domestic water tank Capacity : 143.00 m3 Flushing water tank Capacity : 183.00 m3 Fire water tank Capacity : 400.00 m3
35.Storm water drainage	Natural water drainage pattern:	-
	Quantity of storm water:	100.99 m3/day
	Size of SWD:	450 mm
Sewage and Waste water	Sewage generation in KLD:	195.74 m3/day (Block - A : 22.96m3/day , Block - E : 24.05 m3/day , Block - B,C,D : 148.73 m3/day)
	STP technology:	MBBR
	Capacity of STP (CMD):	STP1 - 23 m3/day (Block -A) , STP2 - 26 m3/day (Block-E) , STP3- 160.00 m3/day (Block-B,C,D)
	Location & area of the STP:	209.63 m2
	Budgetary allocation (Capital cost):	STP 23 KLD : Rs.13.40 Lakh, STP 26 KLD : Rs.13.40 Lakh, STP 160 KLD : Rs. 35.98 Lakh
	Budgetary allocation (O & M cost):	STP 23KLD: Rs. 0.70 Lakh/year , STP 26KLD: Rs. 0.70 Lakh/year , STP 160KLD: Rs. 2.10 Lakh/year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	30 kg/day
	Disposal of the construction waste debris:	Use for Leveling.
Waste generation in the operation Phase:	Dry waste:	326.00 kg/day
	Wet waste:	761.00 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	17.61 kg/day
	Others if any:	E-waste: 131.75 kg/year

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Mode of Disposal of waste:	Dry waste:	Handed Over to SWaCH
	Wet waste:	Bio-gas Treatment Plant
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as Manure.
	Others if any:	E-waste: Hi-Tech Recycling India Pvt.Ltd
Area requirement:	Location(s):	-
	Area for the storage of waste & other material:	Biogas Treatment plant-100 m2
	Area for machinery:	-
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 20.00 Lakh
	O & M cost:	Rs. 1.80 Lakh/year

37.Effluent Charecterestics

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

38.Hazardous Waste Details

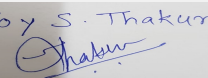
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	DG Set: 02 Nos. - 400 KVA	HSD- 184.76 lit/hr	2	4.00	To be provided	To be provided
2	DG Set : 02Nos. - 750 KVA	HSD- 339.66 lit/hr	2	6.00	To be provided	To be provided

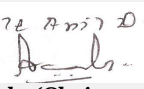
40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	Not applicable	524.42lit/hr (184.76 + 339.66 lit/hr)	524.42 lit/hr

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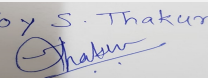
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41.Source of Fuel	Bharat Petroleum Corporation Limited or Hindustan Petroleum	
42.Mode of Transportation of fuel to site	By Roadway	
43.Green Belt Development	Total RG area :	4912.82 m2
	No of trees to be cut :	NA
	Number of trees to be planted :	634 Nos.
	List of proposed native trees :	-
	Timeline for completion of plantation :	Mid of Construction

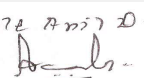
44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Michelia champaca	Nag Champa	23	An evergreen tree. It is best known and cultivated for its strongly fragrant yellow or white flowers.
2	Albizia lebbeck	Shirish	15	Shady tree, yellowish green fragrant flowers. Its uses include environmental management, forage, medicine and wood.
3	Swietenia genus	Mahagony	09	Evergreen or briefly deciduous tree with medicinal characteristics
4	Saraca asoca	Ashoka	06	Its handsome evergreen drooping foliage and branches spreading in all direction assumes a shapely crown with its bark having high medicinal properties
5	Plumeria white	Safeed Chaffa	107	A very ornamental plant, with clusters of showy and intensely fragrant, tubular and spreading, waxy, white flowers
6	Garcinia indica	Kokam	10	Evergreen tree with fruits
7	Thevetia nerifolia	Bittee	68	evergreen tropical tree that bears yellow or orange-yellow, trumpet like flowers
8	Artocarpus neterophyllus	Fanas	09	Fast-growing evergreen tree with a spreading and irregular crown. Multipurpose tree with wide range of uses, mostly famous for its fruit.
9	Terminalia cattappa	Junglee Badam	07	fast-growing deciduous tree with medicinal characteristics
10	Bauhinia	Kanchan	33	fast-growing, attractive, deciduous tree with a dense, spreading crown with medicinal characteristics
11	Callistemum lanceolatus	Bottle Brush	247	Evergreen, with simple, aromatic alternate leaves. The most readily identifiable feature is the showy flower spikes.
12	Millingtonia hortensis	Akash Neem	61	-

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13	Azadirachta indica	Neem	18	Large tree, good for roadside plantation. Has Large Medicinal Properties.
14	Bauhinia racemosa	Apta	12	Flowery plant with medicinal benefit.
15	Mimosops	Bakul	02	Shady tree, small white fragrant flowers. The bark, flowers, fruits, and seeds are used in Ayurvedic medicine in which it is purported to be astringent, cooling, anthelmintic, tonic, and febrifuge.
16	Terminalia mantaley	Madagascar Almond	07	Evergreen tree with conspicuously layered branches, It can be used in reforestation projects and is a good shade tree, often being grown as an ornamental and to provide shade along streets.

45.Total quantity of plants on ground

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

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

47.Energy

Power requirement:	Source of power supply :	MSEDCL. (Maharashtra State Of Electricity Distribution Company Ltd.)
	During Construction Phase: (Demand Load)	25 KW
	DG set as Power back-up during construction phase	01 No. - 25 KVA
	During Operation phase (Connected load):	3216.95 KW
	During Operation phase (Demand load):	1520.87 KW
	Transformer:	02Nos. x 1000 KVA
	DG set as Power back-up during operation phase:	02Nos. x 400 KVA, 02Nos. x 750 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	No

48.Energy saving by non-conventional method:

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- Copper conductor cables will be specified for sizes up to 16 sq mm; this will reduce losses and improve reliability.
- All cables will be de-rated to avoid heating during use. This also indirectly reduces losses and improves reliability.
- Shops/offices/showrooms are planned to be installed with High efficient VRF systems shall be considered for energy conservation purpose.
- Solar operated pole lights will be proposed to power pathway lights at some strategic locations & for staircases.
- All the external walls will be 225mm brick plastered on both sides and no additional insulation is envisaged.
- All vertical fenestration will be as per ECBC.
- 10% of common area / staircases / basement parking corridor lights shall be designated as emergency lights and shall be connected to individual inverters for uninterrupted illumination

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Lighting Load saving inside shops/offices/showrooms	38.38 KW
2	AC Load saving inside shops/offices/showrooms	209.42 KW
3	Energy saving in external lighting using solar lights	10.00 KW
4	Energy saving in common area using LED lights	9.70 KW
5	Plumbing, Fire with energy efficient motors	15.80 KW
6	Ventilation with energy efficient motors	18.71 KW
7	Lifts with V3F drive & Regenerative type	23.63 KW

50.Details of pollution control Systems

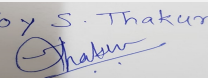
Source	Existing pollution control system	Proposed to be installed
Air	-	Green belt will be Provided.
Water	-	STP will be installed & excess treated water used for flushing & gardening
Noise	-	Noise monitoring will be done in once a fortnight.Traffic management plan to be prepared. Acoustically enclosed DG set will be brought & installed.
Solid Waste	-	Wet Waste will be treated in Biogas plant. STP sludge will be Used as Manure.Dry waste will be handed over to SWaCH

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 8.00 Lakh
	O & M cost:	Rs. 1.00 Lakh/year.

51.Environmental Management plan Budgetary Allocation

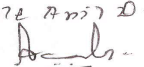
a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water for Dust Suppression, Air & Noise Monitoring	1.98 Lakh/Year
2	Water Environment	Tanker Water for Construction, Water Monitoring	8.60 Lakh/Year
3	Land Environment	Site Sanitation -Mobile toilets	3.40 Lakh/Year

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4	Socio-economic	Disinfection- Pest Control, First Aid Facilities, Health Check Up, Creches For Children, Food for children, Personal Protective Equipment	7.61 Lakh/Year
5	Biological Environment	Gardening, Top soil preservation	10.51 Lakh/Year

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 1	Capacity - 23 KLD	13.40	0.70
2	STP 2	Capacity - 26 KLD	13.40	0.70
3	STP 3	Capacity - 160 KLD	35.98	2.10
4	RWH	-	5.15	0.35
5	MSW (Bio-gas Plant)	-	20.00	1.80
6	Solar System	-	8.00	1.00
7	Landscaping	-	15.00	3.56
8	Safety Equipments	-	10.00	2.00
9	Post EC Monitoring	-	-	2.50
10	Dry Waste management	-	3.00	1.80
11	E -Waste management	-	1.00	0.60
12	Basement Ventilation	-	39.33	3.54
13	Basement Dewatering	-	7.43	0.45

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

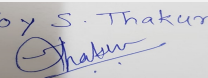
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

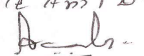
53.Traffic Management

Nos. of the junction to the main road & design of confluence:	-
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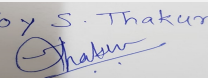
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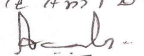
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Parking details:	Number and area of basement:	01No. - 8255.24 m2
	Number and area of podia:	-
	Total Parking area:	18821.80 m2
	Area per car:	42.58 m2
	Area per car:	42.58 m2
	Number of 2-Wheelers as approved by competent authority:	1326
	Number of 4-Wheelers as approved by competent authority:	442
	Public Transport:	NA
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	No
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8(a)
	Court cases pending if any	NA
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-
SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS		
Summorisred in brief information of Project as below.		
Brief information of the project by SEAC		

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Name: K 072 Anil D.
Signature: 
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Environment Clearance for Construction Project at S.No.12 , Hissa No.1 to 7 , Plot D , Bhondve Estate , Punavale ,Tal- Mulshi by M/s Amalfi Realty Pvt Ltd.

PP submitted their application for expansion of Environmental clearance for total plot area of 57511.56 Sq. Mtrs, BUA of 56921.14 Sq. Mtrs and FSI area of 22840.90 Sq. Mtrs. PP proposes to construct 5 no. residential & 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

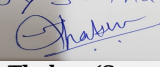
PP requested for time to submit above information; after deliberations committee asked PP to **comply with the above observations** and submit information to the committee for further discussion and consideration of SEAC.

Specific Conditions by SEAC:

- 1) PP to submit details of CER activities in consultation with the affected people in the project area as per MoEF&CC circular dated 01.05.2018 with details of fund utilization & agreement with executor.
- 2) PP to submit approved plan for stack parking as per DC rule otherwise remove the same and submit alternate arrangement.
- 3) PP to submit cross section of building showing parking layout plan with ram width and slope.
- 4) PP to submit basement ventilation plan.
- 5) PP to submit cross section at four places including UGT, OWC and DG set location showing clear road width 6 meter, 1.5 meter distance left from building line & spaces left for plantation, parking, service lines, foot paths, etc.
- 6) PP to submit cross section through UGT with top of tank, and maintain some distance above the ground level.
- 7) PP to submit revised list of trees by adding local tree species.
- 8) PP to submit details of sustainable water supply arrangement with tanker agreement.


FINAL RECOMMENDATION

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

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SEAC-III)

Agenda of 74th Meeting of SEAC-3 (DAY-1)

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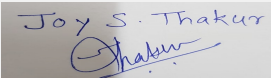
Subject: Environment Clearance for Development of Three Star Hotel Cum Resort

Is a Violation Case: No

1.Name of Project	Western India Inns and Resorts LTD
2.Type of institution	Private
3.Name of Project Proponent	Mr. Manoj Ramanlal Shah
4.Name of Consultant	Ultra-Tech (Environment Consultancy & Laboratory)
5.Type of project	Hotel cum Resort
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Survey No. 3/A/1, CTS No. 219/A/2, Opp. Rayewood Park,
9.Taluka	Maval
10.Village	Lonavala
Correspondence Name:	Mr. Manoj Ramanlal Shah
Room Number:	--
Floor:	--
Building Name:	Shivshanti Holiday resort, opp. rayewood park,
Road/Street Name:	INS shivaji Rd,
Locality:	Lonavala-410401
City:	Pune
11.Area of the project	Lonavala Municipal Council (LMC)
12.IOD/IOA/Concession/Plan Approval Number	Plan sanctioned by LMC, Pune vide CC No. ENG/BP/100/2009-10/67, dated 13th April 2017
	IOD/IOA/Concession/Plan Approval Number: CC No. ENG/BP/100/2009-10/67
	Approved Built-up Area: 32390.10
13.Note on the initiated work (If applicable)	Not applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Plan sanctioned by LMC, Pune vide CC No. ENG/BP/100/2009-10/67, dated 13th April 2017
15.Total Plot Area (sq. m.)	37,500.00
16.Deductions	2,386.42
17.Net Plot area	35,113.58
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 23,722.24
	b) Non FSI area (sq. m.): 8,667.86
	c) Total BUA area (sq. m.): 32390.10
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 32390.10
	Approved Non FSI area (sq. m.): --
	Date of Approval: 13-04-2017
19.Total ground coverage (m2)	7,351.84 Sq.m
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	19.6 %
21.Estimated cost of the project	963750000

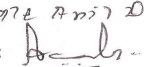
22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
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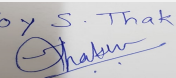
1	Staff Quarters - 01	Stilt + 03 floors	20	
2	Commercial - 01	Basement + Rear Ground + Lower Ground + Ground + Upper Ground + 2 Floors	20.3	
23.Number of tenants and shops	154 - Lodging Rooms, 13 Staff Bedrooms			
24.Number of expected residents / users	122 - Residential, 450 - Commercial			
25.Tenant density per hectare	153.066			
26.Height of the building(s)				
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	20.30 m			
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Nearest Fire Station LMC and width of the road from the nearest fire station to the proposed building is 15 m.			
29.Existing structure (s) if any	Turning radius for easy access of fire tender movement from all around the building is 9 m.			
30.Details of the demolition with disposal (If applicable)	Shivshanti Holiday Resort			
31.Production Details				
Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable
32.Total Water Requirement				

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Dry season:	Source of water	Lonavala Municipal Council
	Fresh water (CMD):	295
	Recycled water - Flushing (CMD):	78
	Recycled water - Gardening (CMD):	144 (Cooling tower)
	Swimming pool make up (Cum):	12
	Total Water Requirement (CMD) :	517
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	30
	Excess treated water	58 cum/day will be sent to holding pond of capacity 1740 cum.
Wet season:	Source of water	Lonavala Municipal Council
	Fresh water (CMD):	295
	Recycled water - Flushing (CMD):	78
	Recycled water - Gardening (CMD):	144 (Cooling tower)
	Swimming pool make up (Cum):	12
	Total Water Requirement (CMD) :	517
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	30
	Excess treated water	58 cum/day will be sent to holding pond of capacity 1740 cum.
Details of Swimming pool (If any)	Pool 01 - 291 sq. m X 1.20 m deep Pool 02 - 169 sq. m X 1.20 m deep Pool 01 - 507 sq. m X 0.60 m deep	

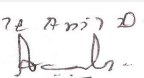
33.Details of Total water consumed



Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Water Requirement									
Fresh water requirement	--	240	240	--	48	48	--	192	192
Domestic	--	78	78	--	0	0	--	78	78
Industrial Process	--	43	43	--	00	00	--	43	43

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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	<2m
	Size and no of RWH tank(s) and Quantity:	200 cum (1 no.)
	Location of the RWH tank(s):	Ground Floor
	Quantity of recharge pits:	00
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Rs. 29.00 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 1.45 Lakhs/Annum
	Details of UGT tanks if any :	Domestic UG tank Capacity: 200 m3/day Flushing UG tank Capacity: 200 m3/day Fire fighting: 200 m3/day Rainwater harvesting Tank: 200 m3/day
35.Storm water drainage	Natural water drainage pattern:	Sloping from South to North
	Quantity of storm water:	1.04 cum/Sec
	Size of SWD:	0.40 x 0.45 with slope 1:350; 0.40 x 0.55 with slope 1:350; 1.20 x 0.75with slope 1:250
Sewage and Waste water	Sewage generation in KLD:	270 cum/day
	STP technology:	MBBR (Anoxic Aerobic) process.
	Capacity of STP (CMD):	330 cum/day
	Location & area of the STP:	Upper North of Plot near Staff Quarter
	Budgetary allocation (Capital cost):	Rs. 131.43 Lakhs
	Budgetary allocation (O & M cost):	Rs. 18.97 Lakhs/Annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	10,262.45 cum; top soil shall be preserved and reused within the site for landscaping
	Disposal of the construction waste debris:	This material shall be used for back filling and levelling of plot and remaining will be disposed to authorized sites
Waste generation in the operation Phase:	Dry waste:	69 kg/day
	Wet waste:	104 kg/day
	Hazardous waste:	negligible
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	66 kg/day
	Others if any:	E waste - 511 kg/year
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Mode of Disposal of waste:	Dry waste:	Handed over to Local authority
	Wet waste:	Organic Waste Composter
	Hazardous waste:	Nil
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as manure after treatment in OWC.
	Others if any:	NA
Area requirement:	Location(s):	East of Plot
	Area for the storage of waste & other material:	54.4 sqm
	Area for machinery:	16.00 sqm
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 16.78 Lakhs
	O & M cost:	Rs. 11.17 Lakhs/Annum

37. Effluent Characteristics

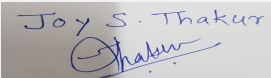
Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	Not applicable	6.0 - 8.0	7.0 - 8.0	7.5
2	Total suspended Solids	mg/l	< 400	< 50	< 100
3	Total Dissolved Solids	mg/l	< 200	< 100	< 150
4	B.O.D.	mg/l	< 500	< 100	< 100
5	C.O.D.	mg/l	< 700	< 250	< 300
Amount of effluent generation (CMD):		43 CUM/day			
Capacity of the ETP:		55 cum/day			
Amount of treated effluent recycled :		39 cum			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Advanced Oxidation Process (O3/UV)			
Disposal of the ETP sludge		Handed over to authorised recycler			

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

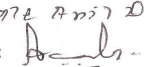
39. Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	1000KVA	High Speed Diesel - 1211.3 Ltr / 8 hours	1	As per CPCB Norms > 30 m	0.3	500 degree celcius


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2	750KVA	High Speed Diesel - 946 Ltr / 8 hours	1	As per CPCB Norms > 30 m	0.3	500 degree celcius
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40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total	
1	HSD	--	2157 Ltr / 8 hours	2157 Ltr / 8 hours	
41.Source of Fuel		Authorized Vendor			
42.Mode of Transportation of fuel to site		By Tanker			

43.Green Belt Development	Total RG area :	3,511.35 sqm
	No of trees to be cut :	43
	Number of trees to be planted :	470
	List of proposed native trees :	Given
	Timeline for completion of plantation :	30 June 2020

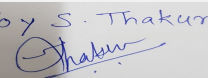
44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Pongamia Pinnata	Karanj	66	It has large canopy which spreads equally wide, It has potential to grow in salt water soil, drought-tolerant
2	Anthocephallus Cadamba	Kadamb	43	It acquires profitable medicinal and commercial properties
3	Grevillea Robusta	Silver oak	54	It is used for commercial purpose and planted as an ornamental tree
4	Delonix Regia	Flamboyant	08	Grown as an ornamental tree
5	Plumeria Alba	White frangipani	97	Planted as an ornamental plant; heart of the wood is part of traditional medical use
6	Michelia Champaca	Son chafa	28	It is a large evergreen tree It is best known for its strongly fragrant yellow or white flowers
7	Nyctanthes Arbor-Tristis	Parijatak	32	Small deciduous fast growing tree or shrub, beautiful fragrant flowers, Its leaves and bark has medicinal properties
8	Caryota Urens	Fish tail palm	142	Is edible Ornamental plant
9	Retained Trees	NA	47	NA

45.Total quantity of plants on ground

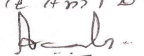
46.Number and list of shrubs and bushes species to be planted in the podium RG:

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

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47. Energy

Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	50 KW
	DG set as Power back-up during construction phase	62.5 KVA
	During Operation phase (Connected load):	2009 KW
	During Operation phase (Demand load):	1256 KVA
	Transformer:	1500 KVA (1 No)
	DG set as Power back-up during operation phase:	One each - 1010KVA + 750KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48. Energy saving by non-conventional method:

Lighting - Use of LED Fittings (12 W) instead of CFL fittings (18 W)
 Lifts - Use of Group controls and Variable speed drives
 Water Pumps & Ventilation fans - Use of BEE Certified Motors for equipment
 Air conditioning system - Use of AC Ciller's & Pump system with VFD drives operation

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Lighting - Use of LED Fittings (12 W) instead of CFL fittings (18 W)	33%
2	Lifts - Use of Group controls and Variable speed drives	25%
3	Water Pumps & Ventilation fans - Use of BEE Certified Motors for equipment	15%
4	Air conditioning system - Use of AC Ciller's & Pump system with VFD drives operation	30%

50. Details of pollution control Systems

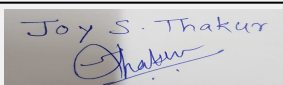
Source	Existing pollution control system	Proposed to be installed
STP	Not applicable	Capacity - 330 cum
OWC	Not applicable	Total Area - 54.4 cum
DG Set	Not applicable	1010 KVA, 750 KVA
ETP	Not applicable	Capacity - 55 cum

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 40 Lakhs
	O & M cost:	Rs. 2.1 Lakhs/Annum

51. Environmental Management plan Budgetary Allocation

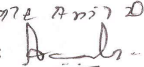
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a) Construction phase (with Break-up):				
Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)	
1	Air	Water For Dust Suppression	2.88	
2	Air	Air and noise monitoring	1.08	
3	Water	Tanker Water for Construction	7.20	
4	Water	Water monitoring	0.54	
5	Land Environment	Site Sanitation	5.00	
6	Biological Environment	Gardening	4.65	
7	Biological Environment	Top soil excavation	0.50	
8	Socio - Economic Environment	Disinfection - Pest Control	1.80	
9	Socio - Economic Environment	First Aid	0.10	
10	Socio - Economic Environment	Health Check Up	10.80	
11	Socio - Economic Environment	Crèche for children	6.50	
12	Socio - Economic Environment	Personal Protective Equipment	2.50	
13	Energy Conservation	CFL lamps for labour hutments	2.52	
b) Operation Phase (with Break-up):				
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Water	STP + ETP	80.00	18.97
2	--	Rain Water Harvesting	29.00	1.45
3	Environmental monitoring	--	Will be carried out by MOEF & CC	12.57
4	Land	Gardening	46.52	4.65
5	--	Swimming Pool	163.73	5.50
6	Solid Waste Management	Solid Waste Management	11.25	2.6
7	--	Dry waste transportation to disposal facility	5.53	8.57
8	Energy	Use of Solar energy	35.00	1.30
9	--	Ventilation & dewatering	5.00	0.80
51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)				


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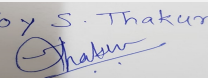
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52. Any Other Information

No Information Available

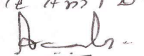
53. Traffic Management

	Nos. of the junction to the main road & design of confluence:	Project will confluent on 15m wide road and 01 junctions to main road
Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	9220.0 sq. m
	Area per car:	35 sqm
	Area per car:	35 sqm
	Number of 2-Wheelers as approved by competent authority:	930
	Number of 4-Wheelers as approved by competent authority:	270
	Public Transport:	NA
	Width of all Internal roads (m):	6m
	CRZ/ RRZ clearance obtain, if any:	Na
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Lonavala lake: 0.75 Km; Khandala lake: 3.00 m; Valvan Dam: 3.50 Km; INS Shivaji lake: 3.70 Km; Bhushi Dam: 8.75 Km; Pavana dam: 9.00 Km
	Category as per schedule of EIA Notification sheet	8(a)
	Court cases pending if any	NA
	Other Relevant Informations	NA

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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

Environment Clearance for Development of Three Star Hotel Cum Resort at Survey No. 3/A/1, CTS No. 219/A/2, Opp. Rayewood Park, Lonavala by Mr. Manoj Ramanlal Shah.

PP submitted their application for prior Environmental clearance for total plot area of 37500 m², BUA of 32390.10 m² and FSI area of 23722.24 m². PP proposes to construct 1 no. Staff Quarters building and 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

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

Specific Conditions by SEAC:

1) The PP informed that they will opt for zero liquid discharge (ZLD) for treatment for waste water generated hence the remarks of High Court Committee are not applicable. PP shall undertake inform the same accordingly to the High Court Committee.

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 of 74th Meeting of SEAC-3 (DAY-1)

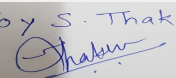
SEAC Meeting number: 74 Meeting Date October 25, 2018

Subject: Environment Clearance for Proposed Residential Development "Marvel Basilo"

Is a Violation Case: No

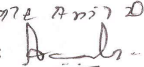
1.Name of Project	"Marvel Basilo" . P. Nos. 385 & 386, Plot No. 1, Sangamwadi T. P. Scheme, Ghorpadi, Dist-Pune, State- Maharashtra
2.Type of institution	Private
3.Name of Project Proponent	Marvel Sigma Homes Pvt Ltd.
4.Name of Consultant	ULTRATECH
5.Type of project	Housing
6.New project/expansion in existing project/modernization/diversification in existing project	Not applicable
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	At F. P. Nos. 385 & 386, Plot No. 1
9.Taluka	Pune city
10.Village	Pune
Correspondence Name:	Vishwajeet Subash Jhavar
Room Number:	NA
Floor:	6th Floor
Building Name:	Arthavishwa Bldg
Road/Street Name:	Lane- No. 5
Locality:	Koregaonpark
City:	Pune
11.Area of the project	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	CC/0262/14
	IOD/IOA/Concession/Plan Approval Number: CC/0262/14
	Approved Built-up Area: 5377.02
13.Note on the initiated work (If applicable)	Yes, We have constructed two building as per sanction received from PMC which is below 20,000 Sq. m. As per new rule FSI, TDR and paid FSI got increased due to which construction area cross threshold limit.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	6069.27 Sq. m
16.Deductions	220.06 Sq. m (Road widening- 145.30 Sq. m, Encroachment - 74.76 Sq. m)
17.Net Plot area	5849.21 Sq. m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 11963.84 Sq. m
	b) Non FSI area (sq. m.): 14195.01 Sq. m
	c) Total BUA area (sq. m.): 26158.85
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 4272.18 Sq. m
	Approved Non FSI area (sq. m.): 10441.79 Sq. m
	Date of Approval: 29-04-2014
19.Total ground coverage (m2)	747.70 Sq. m
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	15%
21.Estimated cost of the project	49000000

22.Number of buildings & its configuration

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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building A	B1+B2+P+17	52.35
2	Building B	B1+B2+P+17	52.35
3	LIG Building	P+8	25.65

23.Number of tenants and shops	No. of Tenements: 109
24.Number of expected residents / users	Residential: 623 Nos.
25.Tenant density per hectare	336 Tenant / hectare
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	Nearest Fire Station at Yerawda & Width of the road from the nearest fire station to the proposed building -16 m. wide road abutting to site
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	Yes, We have constructed two building as per sanction received from PMC which is below 20,000 Sq.m. As per new rule FSI, TDR and paid FSI got increased due to which construction area cross threshold limit.
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

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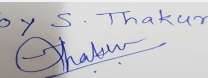
Dry season:	Source of water	PMC
	Fresh water (CMD):	56
	Recycled water - Flushing (CMD):	28
	Recycled water - Gardening (CMD):	9
	Swimming pool make up (Cum):	10
	Total Water Requirement (CMD) :	103
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	20
	Excess treated water	31
Wet season:	Source of water	PMC
	Fresh water (CMD):	56
	Recycled water - Flushing (CMD):	28
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	10
	Total Water Requirement (CMD) :	94
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	20
	Excess treated water	39

Details of Swimming pool (If any)

- Main Pool (1 nos): 7.6 m X 18.2 m X 1.2 m
- Kids Pool (1 nos): 6.4 m X 7 m X 0.6 m
- Private pool (5 nos): 8.35 m X 3.15m
- Total water Requirement in KL: 351
- Water requirement for make up in cum: 10

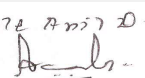
33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Water Requirement									
Fresh water requirement	0	56	56	0	6	6	0	50	50
Domestic	0	28	28	0	0	0	0	28	28
Gardening	0	9	9	0	0	0	0	0	0

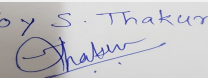
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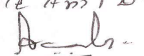
Name: K. Anil Kale

Shri. Anil Kale (Chairman SEAC-III)

34.Rain Water Harvesting (RWH)	Level of the Ground water table:	6.5 bgl Pre Monsoon & 5.5 bgl Post Monsoon
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	2 nos.
	Size of recharge pits :	2 m X 2 m X 2 m below storm water Inlet level with 60 mtr Bore well
	Budgetary allocation (Capital cost) :	2.0 Lacs
	Budgetary allocation (O & M cost) :	0.25 Lacs
	Details of UGT tanks if any :	NA
35.Storm water drainage	Natural water drainage pattern:	North to East
	Quantity of storm water:	62 m3/day
	Size of SWD:	450 mm dia
Sewage and Waste water	Sewage generation in KLD:	78 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	1 No. of 85 KLD
	Location & area of the STP:	As per layout 46.12 m2
	Budgetary allocation (Capital cost):	25 Lacs
	Budgetary allocation (O & M cost):	6.46 Lacs/annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	25 kg/day
	Disposal of the construction waste debris:	within the site
Waste generation in the operation Phase:	Dry waste:	125 kg/day
	Wet waste:	187 kg/day
	Hazardous waste:	not any
	Biomedical waste (If applicable):	not any
	STP Sludge (Dry sludge):	8 Kg/day
	Others if any:	not any

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Mode of Disposal of waste:	Dry waste:	Handed over to authorized recyclers
	Wet waste:	Composting machine
	Hazardous waste:	not any
	Biomedical waste (If applicable):	not any
	STP Sludge (Dry sludge):	Used as Manure after treatment in OWC.
	Others if any:	not any
Area requirement:	Location(s):	As per layout
	Area for the storage of waste & other material:	39.13 Sq. m
	Area for machinery:	20
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	8.15 Lacs
	O & M cost:	5.97 lacs/annum

37. Effluent Characteristics

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

38. Hazardous Waste Details

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

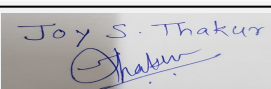
39. Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	HSD 46.2 lit/hr	2 No.	2.5 Mtr above habitable space	125 mm	543 degree C

40. Details of Fuel to be used

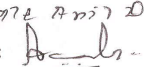
Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	Not applicable	HSD	HSD

41. Source of Fuel	Nearby pump
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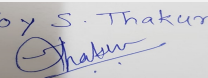

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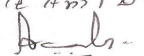
Name: K. Anil Kale
Signature: 
Shri. Anil Kale (Chairman SEAC-III)

42.Mode of Transportation of fuel to site		By road		
43.Green Belt Development	Total RG area :	607 Sq. m		
	No of trees to be cut :	0		
	Number of trees to be planted :	60		
	List of proposed native trees :	60		
	Timeline for completion of plantation :	will be done at completion of project		
44.Number and list of trees species to be planted in the ground				
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Albizzia lebbeck	Shirish	10	Its uses include environmental management, forage, medicine and wood.
2	Bahuinia Purpuria	Raktakanchan	10	Bahinia trees typically reach a height of 6-12 m and their branches spread 3-6 m outwards, flowering in late winter
3	Azadirichta Indica	Neem	10	Neem products are believed by Siddha and Ayurvedic practitioners to be antihelmenthic, antifungal, antidiabetic, antibacterial, antiviral, contraceptive and sedative.
4	Butea Monosperma	Palas	10	It is used for timber, resin, fodder, medicine, and dye. The wood is dirty white and soft and, being durable under water, is used for well-curbs and water scoops.
5	Syzgium Cumini	Jambhul	10	seeds are used in herbal teas for diabetes used by diabetes patients as it was thought to cure the same
6	Pongamia Pinnata	Karanj	10	Karanja is an important Ayurvedic medicine, used predominantly in skin diseases. Karanja twigs were used as tooth brush in ancient times.
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				

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Name: K. Anil Kale
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Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	50 KW
	DG set as Power back-up during construction phase	1 Nos. x 62.5 kVA
	During Operation phase (Connected load):	1276 KW
	During Operation phase (Demand load):	696 KW
	Transformer:	1 X 630 kVA
	DG set as Power back-up during operation phase:	1 X 62.5 kVA
	Fuel used:	H.S.D.
	Details of high tension line passing through the plot if any:	No

48. Energy saving by non-conventional method:

Solar Energy (PV Panels)
Auto. Timer Logic Controller
Electronic VVF drive for Lifts
Solar Water heater

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar Energy (PV Panels)	0.68 %
2	Auto. Timer Logic Controller	2.48 %
3	Electronic VVF drive for Lifts	5.25 %
4	Solar Water heater	11.33 %

50. Details of pollution control Systems

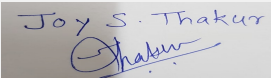
Source	Existing pollution control system	Proposed to be installed
Sewage	Not applicable	STP
Emmision	Not applicable	DG set with stack
MSW	Not applicable	OWC

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	19.42 Lacs
	O & M cost:	1.17 Lacs

51. Environmental Management plan Budgetary Allocation

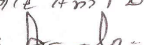
a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water For Dust Suppression Air & Noise monitoring	1.08

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Name: K. Anil Kale

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SEAC-III)**

2	Water Environment	Tanker water for construction Water monitoring	2.76
3	Land Environment	Site Sanitation	2.7
4	Biological Environment	Gardening	1.0
5	Socio- Economic Environment	Disinfection- Pest Control First Aid Facilities Health Check Up Creche for children Personal protective equipment	6.05

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP	treatment of sewage	25	6.46
2	RWH	pits	2.0	0.25
3	Landscaping	gardening	25.0	4.25
4	Electrical	energy saving	19.42	1.17
5	OWC	wet garbage tretatment	8.15	5.97
6	Swimming Pool	--	20.0	2.0
7	Basement ventilation and Dewatering	--	6.0	2.0

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

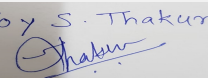
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

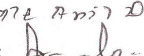
53.Traffic Management

Nos. of the junction to the main road & design of confluence:	Traffic generated from this project will confluent on existing 24m wide road and proposed 18m wide DP Road
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Name: K 072 Anil D.
 Signature: 
 Shri. Anil Kale (Chairman SEAC-III)

Parking details:	Number and area of basement:	2 nos, having total area 5030.7 sqm
	Number and area of podia:	0
	Total Parking area:	6993.0 Sq. m
	Area per car:	35
	Area per car:	35
	Number of 2-Wheelers as approved by competent authority:	246
	Number of 4-Wheelers as approved by competent authority:	204
	Public Transport:	NA
	Width of all Internal roads (m):	6 m wide
	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	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		

 Joy S.Thakur (Secretary SEAC-III)	SEAC Meeting No: 74 Meeting Date: October 25, 2018	Page 49 of 160	Name: K 072 Anil D. Signature:  Shri. Anil Kale (Chairman SEAC-III)
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Environment Clearance for Proposed Residential Development “Marvel Basilo” at P. Nos. 385 & 386, Plot No. 1, Sangamwadi T. P. Scheme, Ghorpadi, Pune, by M/s.Marvcal Sigma Homes Pvt Ltd.

PP submitted their application for prior Environmental clearance for total plot area of 6069.27 Sq. Mtrs, BUA of 29071.7 Sq. Mtrs and FSI area of 12369.16 Sq. Mtrs. PP proposes to construct 3 no. residential building.

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

DECISION OF SEAC

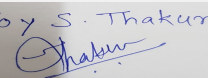
SEAC decided to **recommend** the proposal for prior environmental Clearance, subject to PP complying with the above conditions.

Specific Conditions by SEAC:

- 1) PP informed that they have applied for CFO NOC. PP to submit the same.
- 2) PP to submit details of CER activities in consultation with the affected people in the project area as per MoEF&CC circular dated 01.05.2018 with details of fund utilization & agreement with executor.

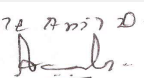
FINAL RECOMMENDATION

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

Joy S. Thakur

Joy S.Thakur (Secretary
SEAC-III)

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

Agenda of 74th Meeting of SEAC-3 (DAY-1)

SEAC Meeting number: 74 Meeting Date October 25, 2018

Subject: Environment Clearance for Proposed Commercial Development

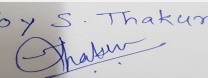
Is a Violation Case: No

1.Name of Project	Phoenix Market City
2.Type of institution	Private
3.Name of Project Proponent	M/s ALYSSUM DEVELOPERS PVT. LTD. through Authorised Signatory Mr. Dipesh Gandhi
4.Name of Consultant	Ultra-Tech (Environmental Consultancy & Laboratory) lab gazetted by MOEF gov. of india, Nabet certificate no. Nabet/EIA 1417/ RA010
5.Type of project	Commercial Development
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.132/23, 133/1, 133/2/1, 133/2/2, 133/3, 133/4, 169/1, 169/2, 170/1, 170/2, 171/1, 171/2, 172/1A, 132/6
9.Taluka	Mulshi
10.Village	Wakad
Correspondence Name:	Shree Mahalakshmi Woolen Mill, R R Hosiery, Off Dr. E Moses Rd, Mahalakshmi, Mumbai- 11
Room Number:	--
Floor:	2
Building Name:	Shree Mahalakshmi Woolen Mill
Road/Street Name:	Off Dr. E Moses Rd
Locality:	Mahalakshmi
City:	Mumbai
11.Area of the project	PCMC
12.IOD/IOA/Concession/Plan Approval Number	IOD received IOD/IOA/Concession/Plan Approval Number: BP/Environment/Wakad/09/2018 Approved Built-up Area: 241128.31
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	68,465.53
16.Deductions	20,082.28
17.Net Plot area	48,383.25
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 1,09,091.09 b) Non FSI area (sq. m.): 1,32,037.22 c) Total BUA area (sq. m.): 241128.31
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 1,09,091.09 Approved Non FSI area (sq. m.): 1,32,037.22 Date of Approval: 12-07-2018
19.Total ground coverage (m2)	23,422.37
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	48.41%
21.Estimated cost of the project	8144694265

22.Number of buildings & its configuration

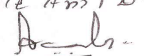
 Joy S.Thakur (Secretary SEAC-III)	SEAC Meeting No: 74 Meeting Date: October 25, 2018	Page 51 of 160	Name: K. Anil Kale Signature:  Shri. Anil Kale (Chairman SEAC-III)
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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)	
1	Mall Building	2 Basement + Ground Floor + 1st to 6th Floor (7 nos. of Mall floors) with multiplex	38.60 m	
2	Office building 1	7th to 15th floor (9 floors of offices) above Mall building	69.90 m till terrace floor	
3	Office building 2	2 Basement + Ground Floor + 6 MLCP floors + 4th to 14th floors (11 floors) of office building	69.90 m till terrace floor	
23.Number of tenants and shops		Shops: 459 Offices:250 Multiplex & F & B		
24.Number of expected residents / users		Fixed: 5275 Visitors: 25547		
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))		Nearest Fire Station at Hinjewadi & Width of the road from the nearest fire station to the proposed building -24m. wide road abutting to site		
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		Existing temporary structure is present. It will be demolished at later stage.		
30.Details of the demolition with disposal (If applicable)		Existing temporary structure is 1614 m3 debris will be consumed within site		
31.Production Details				
Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable
32.Total Water Requirement				

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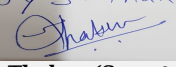
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Name: K. Anil Kale

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

Dry season:	Source of water	PCMC
	Fresh water (CMD):	457
	Recycled water - Flushing (CMD):	446
	Recycled water - Gardening (CMD):	31
	Swimming pool make up (Cum):	00
	Total Water Requirement (CMD) :	934
	Fire fighting - Underground water tank(CMD):	500
	Fire fighting - Overhead water tank(CMD):	60
	Excess treated water	00
Wet season:	Source of water	PCMC
	Fresh water (CMD):	457
	Recycled water - Flushing (CMD):	446
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	00
	Total Water Requirement (CMD) :	903
	Fire fighting - Underground water tank(CMD):	500
	Fire fighting - Overhead water tank(CMD):	60
	Excess treated water	00
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	00	457	457	00	46	46	00	411	411
Cooling tower & thermopack	00	446	446	00	45	45	00	401	401
Gardening	00	31	31	00	31	31	00	00	00

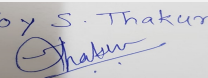
Joy S. Thakur

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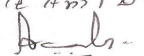
Name: K. Anil Kale

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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	3-7 m
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	10
	Size of recharge pits :	5 m x 2 m x 2 m
	Budgetary allocation (Capital cost) :	8.75 Lakhs
	Budgetary allocation (O & M cost) :	1.88 Lakhs/annum
	Details of UGT tanks if any :	--
35.Storm water drainage	Natural water drainage pattern:	NW to SE
	Quantity of storm water:	0.80 m ³ /Sec
	Size of SWD:	600 mm dia
Sewage and Waste water	Sewage generation in KLD:	812 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	1 x 850
	Location & area of the STP:	350 m ²
	Budgetary allocation (Capital cost):	72.7 Lakhs
	Budgetary allocation (O & M cost):	26.37 lakhs/annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Domestic waste: 25 Kg/day, Construction waste: Quantity of excavation: 251106 m ³ & quantity to be consumed within site 83,726 m ³
	Disposal of the construction waste debris:	Domestic waste will be handed over to local body and excess construction waste will be sent to authorized site for disposal.
Waste generation in the operation Phase:	Dry waste:	4400 kg/day
	Wet waste:	2934 kg/day
	Hazardous waste:	neglegible
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	42.5 kg/day
	Others if any:	NA

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Mode of Disposal of waste:	Dry waste:	Handed over to authorized recyclers (SWaCH)
	Wet waste:	Organic waste converter
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as Manure and rest will be handed over to nearby nurseries
	Others if any:	NA
Area requirement:	Location(s):	As per layout
	Area for the storage of waste & other material:	200 m ²
	Area for machinery:	Included in above mentioned area
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	56 Lakhs
	O & M cost:	11.46 Lakhs/annum

37. Effluent Characteristics

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

38. Hazardous Waste Details

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

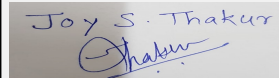
39. Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	DG Sets	HSD	10	As per CPCB guidelines	<150	300

40. Details of Fuel to be used

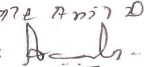
Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	00	HSD	HSD

41. Source of Fuel	Nearby pump
42. Mode of Transportation of fuel to site	By road


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43.Green Belt Development	Total RG area :	5248.46 Sqm
	No of trees to be cut :	1 Babool
	Number of trees to be planted :	676
	List of proposed native trees :	676
	Timeline for completion of plantation :	5 years

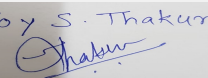
44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Manikara zapota	Chikoo	10	Tropical fruit tree & bird attracting tree
2	Michelia champaca	Champa	139	Evergreen timber plant, ornamental
3	Mimusopes elengi	Bakul	78	Evergreen tree, timber yielding and medicinal plant
4	Ficus benjamina	Weeping fig	48	Evergreen & bird attracting tree
5	Cassia fistula	Golden shower	52	Drought tolerant, ornamental & medicinal plant
6	Butea monosperma	Flame tree	07	Used in pesticide & dye preparation,
7	Cassia grandis	Pink shower	47	Drought tolerant, ornamental & medicinal plant
8	Saraca indica	Sita ashok	51	Evergreen medicinal plant
9	Roystonea regia	Royal palm	171	Nitrogen fixer, ornamental plant
10	Syzygium cumini	Jambhul	21	fruit tree & bird attracting
11	Neolamarkia cadamba	Kadamba tree	32	Tropical fruit tree & bird attracting tree
12	Mangifera indica	Mango tree	09	Evergreen & bird attracting tree
13	Ficus religiosa	Pimpal	01	Evergreen & bird attracting tree
14	Ficus bengalensis	Vad	01	EShade Loving & bird attracting tree
15	Albezia lebbeck	Shirish	01	Evergreen & bird attracting tree
16	Azadiracta indica	Neem	01	Evergreen & bird attracting tree
17	Caryota mitis	Fishtail palm	07	Nitrogen fixer, ornamental plant

45.Total quantity of plants on ground

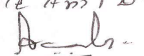
46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	Duranta erecta	0.30m	0.60
2	Duranta repens	0.30m	0.60
3	Nerium oleander	0.40m	0.60
4	Nerium oleander	0.40m	0.60
5	Nerium oleander	0.40m	0.60

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6	Tecoma castanifolia	0.60m	1.50
7	Tabernaemontana coronatia	0.30m	0.90
8	Tabernaemontana divaricata	0.30m	0.45
9	Tabernaemontana corymbosa variegated	0.40m	0.60
10	Plumbago auriculata	0.40m	0.90
11	Cassia biflora	0.60m	1.00
12	Bougainvillea glabra	0.40m	0.60
13	Allamanda schottii	0.30m	0.40
14	Lagestromia indica	0.60m	0.90
15	Hamelia patens	0.30m	0.60
16	Tecoma stanse	0.60m	0.60
17	Acalypha wikesiana	0.30m	0.50
18	Cortaderia selloana	0.60m	0.90
19	Dianella australiana	0.30m	0.40
20	Tagetes erecta	0.30m	0.60
21	Tecoma capensis	0.30m	0.60
22	Galphimia glauca	0.40m	0.60
23	Revenia spectabilis	0.30m	0.60

47. Energy

Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	62 KVA
	DG set as Power back-up during construction phase	62.5 KVA
	During Operation phase (Connected load):	14139.59 kW
	During Operation phase (Demand load):	14788.77 kVA
	Transformer:	9 x 2000 kVA
	DG set as Power back-up during operation phase:	10 x 2000 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	No

48. Energy saving by non-conventional method:

Energy Saving using Solar Based PV system : 1 % of connected load
 Energy saving with using T5/LED energy efficient fixture: 4.05 %

49. Detail calculations & % of saving:

 Joy S. Thakur (Secretary SEAC-III)	SEAC Meeting No: 74 Meeting Date: October 25, 2018	Name: K. Anil D.  Signature: Shri. Anil Kale (Chairman SEAC-III)
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Serial Number	Energy Conservation Measures	Saving %
1	Solar Based PV system	1%
2	T5/LED energy efficient fixture:	4.05 %

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
DG Sets	Not applicable	DG sets
Sewage	Not applicable	STP
Biodegradable Waste	Not applicable	OWC

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	energy saving measures: 46.00 lakh & solar PV Panels: 141 lakh
	O & M cost:	energy saving measures: 3.02 lakh/annum & solar PV Panels: 3.0 lakh/annum

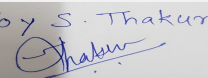
51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water For Dust Suppression	0.32
2	Air Environment	Air & Noise monitoring	0.48
3	Air Environment	Air Monitoring Station	13.0
4	Water Environment	Tanker water for construction	1.08
5	Water Environment	Water monitoring	0.6
6	Land Environment	Mobile toilets	8.10
7	Biological Environment	Gardening	2.69
8	Socio- Economic Environment	Socio- Economic Environment	7.65

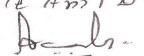
b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP	Waste water treatment	72.70	26.37
2	Rain Water Harvesting	Rain Water Harvesting	8.75	1.88
3	Gardening	Landscape Development	55.31	4.95
4	Solid Waste	OWC Unit	56.00	11.46
5	Energy saving	Energy saving measures	46.00	3.02
6	Basement Ventilation	Basement Ventilation	208.00	30.15
7	Basement Dewatering	Basement Deatering	7.50	1.20
8	Solar photo voltaic system	Solar PV Panels	141.00	14.1

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9	Environmental Monitoring	Monitoring	From MoEF&CC approved laboratory for water, soil, noise and air, for air, sensor for air quality shall be installed on site, Set up cost =10 lakh	41.16
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51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)

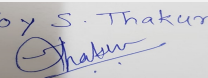
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

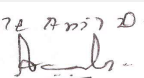
53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Traffic generated from this project will confluent on existing 24m wide road and proposed 18m wide DP Road
Parking details:	Number and area of basement:	No. of Basement: 02 Area of Basement: 32,198.87 sq m
	Number and area of podia:	No. of podium: 1 Area: 21,201.42 sq m
	Total Parking area:	53,400.29 sq m
	Area per car:	Basement: 35 m2 Covered: 30 m2
	Area per car:	Basement: 35 m2 Covered: 30 m2
	Number of 2-Wheelers as approved by competent authority:	6546
	Number of 4-Wheelers as approved by competent authority:	2182
	Public Transport:	Nearest Bus Stop: Wakad
	Width of all Internal roads (m):	9 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA

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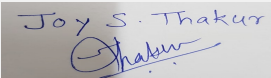
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	Category as per schedule of EIA Notification sheet	8 (b) B1
	Court cases pending if any	None
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

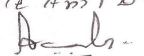
TOR Suggested Changes

Consolidated Statement Point Number	Original Remarks	Submitted Changes
1) Name of the Project	Proposed Commercial Development	Phoenix Market City
3) Name of the project proponent	Mr. Jitesh Chandna	Mr. Jitesh Chandna for M/s ALYSSUM DEVELOPERS PVT. LTD.
8) Survey No	S.No.132/23, 133/1, 133/2/1, 133/2/2, 133/3, 133/4, 169/1, 169/2, 170/1, 170/2, 171/1, 171/2, 172/1A, 172/1B, 132/6	S.No.132/23, 133/1, 133/2/1, 133/2/2, 133/3, 133/4, 169/1, 169/2, 170/1, 170/2, 171/1, 171/2, 172/1A, 132/6
9) Taluka	Haveli	Mulshi
Plot area	72565	68465
22) Height of the Building- Mall Building	38.4	36.42
22) Height of the Building- Office Building 1	69.9	67.93
22) Height of the Building- Office Building 2	67.4	64.42
34. Rain water Harvesting pits	8	10
33. Details of total water consumed	Domestic : Loss Proposed : 47 Loss Total : 47 Effluent Proposed : 846 Effluent Total :846	Domestic : Loss Proposed : 44 Loss Total : 44 Effluent Proposed : 849 Effluent Total :849
35. Quantity of Storm water	0.3m3/sec	0.8m3/sec
36. Sewage & waste water - Sewage generation in KLD	846	849
36. Sewage & waste water - Wet Season-Excess Treated water	31	0
44. Green Belt Development- No. of trees to be cut	15	1 (Babhool)
51. Details of Pollution Control System - Budgetory Allocation	-	Source : Sewage Proposed to be installed : STP


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SEAC-III)**

51. Details of Pollution Control System - Budgetory Allocation	-	Source : Biodegradable waste Proposed to be installed : OWC
51Details of Pollution Control System - Budgetory Allocation	Capital -Rs. 46 Lakhs, O & M - Rs. 3.02 Lakhs/Annum	Capital - Rs. 128.70 Lakhs, O & M - Rs. 33.06 Lakhs/annum

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for Proposed Commercial Development at S. No.132/23, 133/1, 133/2/1, 133/2/2, 133/3, 133/4, 169/1, 169/2, 170/1, 170/2, 171/1, 171/2, 172/1A, 132/6 by M/s ALYSSUM DEVELOPERS PVT. LTD.

PP submitted their application for prior Environmental clearance for total plot area of 72565.43 Sq. Mtrs, BUA of 2,41,128.31 Sq. Mtrs and FSI area of 109137.04 Sq. Mtrs. PP proposes to construct 3 nos. of commercial building, having 1 Mall Building & 2 office building having maximum height of 69.90 Mtrs .

In the light of EIA Notification 2006 and amendment there of issued by MoEF, SEAC -III is required to give TOR's to the proposals under category 8(b) B1. The proposal was discussed on the basis of EIA report as presented by the PP. All issues related to environment, including air, water, noise, soil, ecology and biodiversity and social aspects were discussed.

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) PP to submit details of CER activities in consultation with the affected people in the project area as per MoEF&CC circular dated 01.05.2018 with details of fund utilization & agreement with executor.

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 of 74th Meeting of SEAC-3 (DAY-1)

SEAC Meeting number: 74 Meeting Date October 25, 2018

Subject: Environment Clearance for Construction for Residential and Commercial Project at R.S.No. 1334, Hissa No. 04 , 'A Ward KII Karveer, Kolhapur , Maharashtra

Is a Violation Case: No

1.Name of Project	Ideal Colony
2.Type of institution	Private
3.Name of Project Proponent	Mr. Atul Powar
4.Name of Consultant	Goldfinch Engineering System Private Limited Plot No. A-288, Road No. 16 Z, Opp. Agriculture Office Bus-stop, Thane Industrial Area, MIDC (Wagle Estate), Thane (W) - 400 604., Maharashtra, India. PH: 91-22-2580 1529/21/46 Accreditation No : NABET/EIA/1518/RA0066
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	New
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	R.S.No. 1334, Hissa No. 04 , 'A Ward KII, Sutarmala
9.Taluka	Karveer
10.Village	Kolhapur
Correspondence Name:	Mr. Atul Powar
Room Number:	R.S. No 38 B,
Floor:	1st Floor,
Building Name:	Jupiter Complex
Road/Street Name:	Near Hotel Vrushali
Locality:	Tarabai Park
City:	Kolhapur
11.Area of the project	Yes , Kolhapur Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	In process IOD/IOA/Concession/Plan Approval Number: In process Approved Built-up Area: 38190.12
13.Note on the initiated work (If applicable)	No
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	MHADA Applicable
15.Total Plot Area (sq. m.)	16090.00 sq.mt.
16.Deductions	600.00 sq.mt.
17.Net Plot area	15490.00 sq.mt.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 27560.72 sq.mt. (Including MHADA FSI: 3237.30) b) Non FSI area (sq. m.): 10628.40 sq.mt. (Including MHADA NON FSI 435.54 sqm) c) Total BUA area (sq. m.): 38190.12
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): Approved Non FSI area (sq. m.): Date of Approval:
19.Total ground coverage (m2)	3431.80
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	21.46%
21.Estimated cost of the project	462000000

22.Number of buildings & its configuration

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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Wing A	Stilt + 9	30m
2	Wing B	Stilt + 9	30m
3	Wing C	Stilt + 9	30m
4	Wing D	Stilt + 9	30m
5	Commercial Building	Basement + G+ 3	16m

23.Number of tenants and shops	Tenements 536 Nos , Shop 10 Nos, 6 halls
24.Number of expected residents / users	Resi. 2680 Nos, 240 Nos
25.Tenant density per hectare	333.12 /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))	Nearest fire station distance 1.9 km (Fulewadi Fire Station)
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	No
30.Details of the demolition with disposal (If applicable)	NA

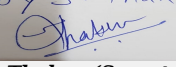
31.Production Details

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

32.Total Water Requirement


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Dry season:	Source of water	KMC							
	Fresh water (CMD):	Resi. 241.20 m3/day, Comm: 9.68 m3/day							
	Recycled water - Flushing (CMD):	Resi. 120.6 m3/day, Comm: 12.10 m3/day							
	Recycled water - Gardening (CMD):	12.47 m3/day							
	Swimming pool make up (Cum):	No							
	Total Water Requirement (CMD) :	Resi. 374.27 m3/day, Comm: 21.78 m3/day							
	Fire fighting - Underground water tank(CMD):	200 m3							
	Fire fighting - Overhead water tank(CMD):	20m3							
	Excess treated water	156.38 m3/day, Comm: 5.32 m3/day							
Wet season:	Source of water	KMC							
	Fresh water (CMD):	Resi. 241.20 m3/day, Comm: 9.68 m3/day							
	Recycled water - Flushing (CMD):	Resi. 120.6 m3/day, Comm: 12.10 m3/day							
	Recycled water - Gardening (CMD):	--							
	Swimming pool make up (Cum):	No							
	Total Water Requirement (CMD) :	Resi. 361.8 m3/day, Comm: 21.78 m3/day							
	Fire fighting - Underground water tank(CMD):	200 m3							
	Fire fighting - Overhead water tank(CMD):	20m3							
	Excess treated water	143.91 m3/day, Comm: 5.32 m3/day							
Details of Swimming pool (If any)	No Provided								
33.Details of Total water consumed									
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

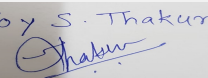
Joy S. Thakur

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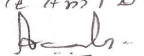
Name: **Kale Anil D.**

Shri. Anil Kale (Chairman SEAC-III)

34. Rain Water Harvesting (RWH)	Level of the Ground water table:	Post monsoon : 4.70 m Pre monsoon : 8.70 m
	Size and no of RWH tank(s) and Quantity:	Not Provided
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	5 Nos
	Size of recharge pits :	1.5 X 1.5 X 1.5
	Budgetary allocation (Capital cost) :	1.83 Lacs
	Budgetary allocation (O & M cost) :	0.25 Lacs/Yr
	Details of UGT tanks if any :	Domestic UG tank Capacity : 377 Cum Flushing UG tank Capacity : 200 Cum
35. Storm water drainage	Natural water drainage pattern:	South to North
	Quantity of storm water:	501.43 m ³ /hr
	Size of SWD:	450 mm dia
Sewage and Waste water	Sewage generation in KLD:	Resi. 328 KLD, Comm. :
	STP technology:	MBBR
	Capacity of STP (CMD):	STP1: 330 KLD (Resi), STP 2 : 20 KLD
	Location & area of the STP:	N W Corner
	Budgetary allocation (Capital cost):	80.50 Lacs
	Budgetary allocation (O & M cost):	11.10 Lacs/Yr
36. Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Excavated Soil will be further use for landscaping and land leveling
	Disposal of the construction waste debris:	Excavated Soil will be further use for landscaping and land leveling
Waste generation in the operation Phase:	Dry waste:	609 Kg/day
	Wet waste:	852 Kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	38.2 kg
	Others if any:	NA

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Name: K. Anil Kale

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

Mode of Disposal of waste:	Dry waste:	Dry waste will be sent for recycling to KMC
	Wet waste:	Wet waste will be converting to composting for by OWC
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	STP sludge sent to SWM site for converting in to compost
	Others if any:	NA
Area requirement:	Location(s):	Near to STP
	Area for the storage of waste & other material:	12 m
	Area for machinery:	52 sqm
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	25.75
	O & M cost:	7.90 lakhs/Yr

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

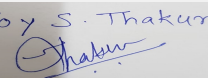
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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

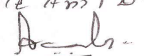
40. Details of Fuel to be used

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 :	1550 Sqm
	No of trees to be cut :	No
	Number of trees to be planted :	227
	List of proposed native trees :	Champa , Bakul , Golden Shower
	Timeline for completion of plantation :	1 year before completion of project

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

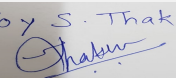
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Manikarazapota	Chikoo	5	Tropical fruit tree & bird attracting tree
2	Micheliachampaca	Champa	21	Evergreen timber plant, ornamental,
3	Mimusopeselengi	Bakul	35	Evergreen tree, timber yielding and medicinal plant
4	Cassia fistula	Golden shower	19	Drought tolerant, ornamental & medicinal plant
5	Buteamonosperma	Flame tree	7	Used in pesticide & dye preparation,
6	Cassia grandis	Pink shower	31	Drought tolerant, ornamental & medicinal plant
7	Bauhinia blackiana	Kanchan	29	Evergreen medicinal plant
8	Roystonearegia	Royal palm	35	Nitrogen fixer, ornamental plant
9	Syzygiumcumini	Jambhul	11	fruit tree & bird attracting
10	Neolamarkiacadamba	Kadamba tree	6	Tropical fruit tree & bird attracting tree
11	Mangiferaindica	Mango tree	4	Evergreen & bird attracting tree

45.Total quantity of plants on ground

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

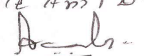
Serial Number	Name	C/C Distance	Area m2
1	Duranta erecta	0.30m	0.60
2	Duranta repens	0.30m	0.60
3	Nerium oleander	0.40m	0.60
4	Nerium oleander	0.40m	0.60
5	Nerium oleander	0.30m	1.50
6	Tecoma castanifolia	0.60m	0.90
7	Tabernaemontana coronatia	0.30m	0.45
8	Tabernaemontana divaricata	0.30m	0.90
9	Tabernaemontana corymbosa variegated	0.40m	0.60
10	Plumbago auriculata	0.40m	0.90

47.Energy

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Name: K. Anil Kale

Shri. Anil Kale (Chairman SEAC-III)

Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	22 KW
	DG set as Power back-up during construction phase	30 KVA
	During Operation phase (Connected load):	1842.35 KW
	During Operation phase (Demand load):	963.66 KW
	Transformer:	2 Nos x 630 KVA
	DG set as Power back-up during operation phase:	200 KVA
	Fuel used:	34.6 ltr/hr
	Details of high tension line passing through the plot if any:	No

48. Energy saving by non-conventional method:

- 1 Timers and contactors will be used to switch on / off common are & external landscape and facade lighting.
- 2 Light Emitting Diode (LED) will be used for corridors ,Lobbies and common areas.
- 3 All fluorescent light fixtures are specified to incorporate electronic chokes which have less watt-loss compared to electro-magnetic chokes and result in superior operating power factor. This indirectly saves energy. Electronic chokes also improves life of the fluorescent lamps.
- 4 Energy efficient cfl/t5/led lamps which give approx. 30% more light output for the same watts consumed and therefore require less nos. Of fixtures and corresponding lower point wiring costs. LPD of 7.5 W/sq.mtr. in Residential areas & 10.8 W/sq.mtr. in Office areas is proposed.
- 5 All cables will be derated to avoid heating during use. This also indirectly reduces losses and improves reliability. To achieve the same we have considered current carrying capacity of all the cables laid through ground/air whichever is minimum.
- 6 125 Ltrs Solar water is provided for each flat .
- 7 Solar PV panel system is proposed for Street lighting & Building common lighting.

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Energy savings(Solar water heating system + Solar PV panels + LED light fittings) units per year.(For renewable/solar)	13

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:	90.45 Lacs
	O & M cost:	9.04 Lacs/Yr

51. Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

 Joy S.Thakur (Secretary SEAC-III)	SEAC Meeting No: 74 Meeting Date: October 25, 2018	Page 68 of 160	Name: K. Anil Kale  Shri. Anil Kale (Chairman SEAC-III)
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Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water	Dust Suppression	0.7
2	Site Sanitation, Health Check Up & Safety	Health & Safety	1.0
3	Environmental Monitoring	Air, Water, Noise Soil	0.4

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air, water, Noise, Soil	Post Project Environment Monitoring	--	0.25
2	Water	Rainwater Harvesting	1.83	0.25
3	Wastewater	Sewage Treatment Plant	80.5	11.1
4	Municipal Solid waste	Solid waste Management	25.75	7.90
5	Plantation	Landscaping	15.22	0.15
6	Energy	Energy Savings	90.45	9.04

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

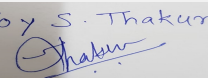
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

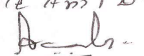
53.Traffic Management

Nos. of the junction to the main road & design of confluence:	NO
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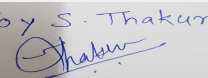
Joy S. Thakur

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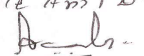
Name: K. Anil Kale

Shri. Anil Kale (Chairman SEAC-III)

Parking details:	Number and area of basement:	1
	Number and area of podia:	NO
	Total Parking area:	4621.25 Sqm, For Cycle 772 X 1.4=1080.80 sqm
	Area per car:	13.75 Sqm
	Area per car:	13.75 Sqm
	Number of 2-Wheelers as approved by competent authority:	775 Nos
	Number of 4-Wheelers as approved by competent authority:	167 Nos
	Public Transport:	Available near to side
	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	B2
	Court cases pending if any	NO
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-
SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS		
Summorisred in brief information of Project as below.		
Brief information of the project by SEAC		

Joy S. Thakur

Joy S.Thakur (Secretary SEAC-III)

SEAC Meeting No: 74 Meeting Date: October 25, 2018

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Name: K. Anil Kale

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

Environment Clearance for construction of residential and commercial project at R. S. No. 1334, Hissa No. 04, A-ward KII Karveer, Kolhapur by Mr. Atul Powar.

PP submitted their application for Expansion of Environmental clearance for total plot area of 16,090.00 Sq. Mtrs, FSI area 27,560.72 Sq.m, Non FSI 10628.40 Sq.m and Total Built up Area of 38,190.12 Sq. Mtrs. Now PP proposes to construct 4 residential buildings and 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

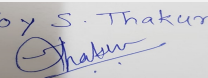
SEAC decided to **recommend** the proposal for prior environmental Clearance, subject to PP complying with the above conditions.

Specific Conditions by SEAC:

- 1) PP to submit revised DMP indicating lightning arrester.

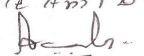
FINAL RECOMMENDATION

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

Joy S. Thakur

Joy S.Thakur (Secretary
SEAC-III)

SEAC Meeting No: 74 Meeting Date: October
25, 2018

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

Agenda of 74th Meeting of SEAC-3 (DAY-1)

SEAC Meeting number: 74 Meeting Date October 25, 2018

Subject: Environment Clearance for Proposed Residential Construction Project located at S. No. 100/1/2, 101/1, 149/1A, 150/2/1,150/2/2, Near BRT road, Ravet, Pune 412101 by Aum Developers

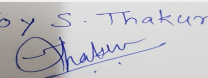
Is a Violation Case: No

1.Name of Project	Proposed Residential Construction Project
2.Type of institution	Private
3.Name of Project Proponent	Mr. Satish Aswani
4.Name of Consultant	Pollution and Ecology Control Services (EMP Consultant)
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. 100/1/2, 101/1, 149/1A, 150/2/1,150/2/2
9.Taluka	Mulshi
10.Village	Ravet
Correspondence Name:	Mr. Satish Aswani
Room Number:	-
Floor:	2nd floor
Building Name:	S. P. heights
Road/Street Name:	Near bank of Maharashtra
Locality:	Kasarwadi
City:	Pune 34
11.Area of the project	Pimpri Chinchwad Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	In process IOD/IOA/Concession/Plan Approval Number: In process Approved Built-up Area:
13.Note on the initiated work (If applicable)	No work is initiated for the said project
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	2 no. of Mhada buildings proposed in sanction plan
15.Total Plot Area (sq. m.)	Total Plot Area - 71788.33 sq m. After plotting - Area 19371.78 Sq m.
16.Deductions	52,416.55 Sq m
17.Net Plot area	19371.78
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 34186.04
	b) Non FSI area (sq. m.): 53821.44
	c) Total BUA area (sq. m.): 88007.48
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.):
	Approved Non FSI area (sq. m.):
	Date of Approval: 01-01-1900
19.Total ground coverage (m2)	6626.00
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	34.20 %
21.Estimated cost of the project	2010000000

22.Number of buildings & its configuration

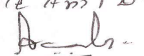
 Joy S.Thakur (Secretary SEAC-III)	SEAC Meeting No: 74 Meeting Date: October 25, 2018	Page 72 of 160	Name: K. Anil Kale Signature:  Shri. Anil Kale (Chairman SEAC-III)
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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)	
1	A+B+C+D+E	B+P+14	44.90	
2	F+G	B+P+12	39.20	
3	H (MHADA BLDG)	P+11	34.20	
4	I (MHADA BLDG)	P+12	37.05	
23.Number of tenants and shops		905 tenements		
24.Number of expected residents / users		4525		
25.Tenant density per hectare		250 tenants/ Hecter		
26.Height of the building(s)				
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))		15 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				

Joy S. Thakur

Joy S.Thakur (Secretary SEAC-III)

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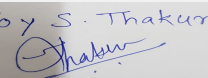
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Name: K. Anil Kale

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

Dry season:	Source of water	Pimpri Chinchwad Muncipal Corporation
	Fresh water (CMD):	412.2
	Recycled water - Flushing (CMD):	203.6
	Recycled water - Gardening (CMD):	40.0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	655.8
	Fire fighting - Underground water tank(CMD):	675
	Fire fighting - Overhead water tank(CMD):	180
	Excess treated water	331
Wet season:	Source of water	Pimpri Chinchwad Muncipal Corporation
	Fresh water (CMD):	412.2
	Recycled water - Flushing (CMD):	203.6
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	615.8
	Fire fighting - Underground water tank(CMD):	675
	Fire fighting - Overhead water tank(CMD):	180
	Excess treated water	371
Details of Swimming pool (If any)	Nil	

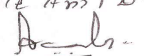
33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable	412	412	Not applicable	41	Not applicable	Not applicable	371	371
Gardening	Not applicable	40	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	40	Not applicable
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

Joy S. Thakur

Joy S.Thakur (Secretary SEAC-III)

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Name: K. Anil Kale

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

34.Rain Water Harvesting (RWH)	Level of the Ground water table:	Summer Season - 13.13 m. to 15.67 m. BGL. (14.40 M. Average) Rainy Season - 5.67 m. to 7.67 BGL. (6.67 M. Average) Winter Season - 9.40 m. to 11.67 m. BGL. (10.54 M. Average)
	Size and no of RWH tank(s) and Quantity:	nil
	Location of the RWH tank(s):	not applicable
	Quantity of recharge pits:	12 Number of recharge pits
	Size of recharge pits :	2.0 m. X 2.0 m. X 2.0 m.
	Budgetary allocation (Capital cost) :	1500000
	Budgetary allocation (O & M cost) :	75000
	Details of UGT tanks if any :	A UNDER GROUND WATER TANK (FOR WING A TO G) 1 DOMESTIC WATER TANK (1.5 DAY) 273000 LTRS DRINKING WATER TANK (1.5 DAY) 218400 LTRS 2 FIRE FIGHTING WATER TANK 525000 LTRS TOTAL 1016400 LTRS B UNDER GROUND WATER TANK (FOR WING H TO I) 1 DOMESTIC WATER TANK (1.5 DAY) 66375 LTRS DRINKING WATER TANK (1.5 DAY) 53100 LTRS 2 FIRE FIGHTING WATER TANK 150000 LTRS TOTAL 269475 LTRS
35.Storm water drainage	Natural water drainage pattern:	As per contour plan. Please refer contour plan attached with Form1, 1A
	Quantity of storm water:	476.57 m ³ / Day
	Size of SWD:	450 mm
Sewage and Waste water	Sewage generation in KLD:	575
	STP technology:	MBBR
	Capacity of STP (CMD):	2 no. of STP having capacity 464 CMD & 113 CMD
	Location & area of the STP:	Please refer services location plan attached with Form 1, 1A & supporting annexure
	Budgetary allocation (Capital cost):	109 lakh
	Budgetary allocation (O & M cost):	10.99 lakh
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Quantity of excavated earth: 26525.25 m ³
	Disposal of the construction waste debris:	Excavated Earth material will be used for the land filling, leveling, road construction. Top soil will be used for landscaping
Waste generation in the operation Phase:	Dry waste:	909 Kg/Day
	Wet waste:	1357 Kg/Day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	30 Kg/Day
	Others if any:	No

Mode of Disposal of waste:	Dry waste:	Through Authorized Vender
	Wet waste:	Will treated in Organic waste composter machine. Treated waste will be used as manure.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as manure
	Others if any:	NA
Area requirement:	Location(s):	Please refer services location plan attached with form1,1A
	Area for the storage of waste & other material:	25 Sqm
	Area for machinery:	97 Sqm
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	4350000
	O & M cost:	1130000

37. Effluent Charecterestics

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

38. Hazardous Waste Details

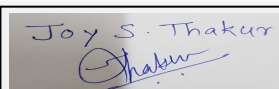
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39. Stacks emission Details

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

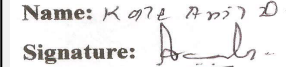
40. Details of Fuel to be used

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

Joy S. Thakur

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Name: K. Anil Kale

 Shri. Anil Kale (Chairman SEAC-III)

43.Green Belt Development	Total RG area :	6446.48 Sqm
	No of trees to be cut :	0
	Number of trees to be planted :	307
	List of proposed native trees :	Attached as annexure - landscape details with Form1 & 1A
	Timeline for completion of plantation :	3

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

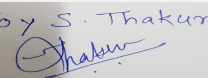
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Dyospyros peregrina	Tembhurni	48	fruits are edible, commercial use for timber
2	Cassia fistula	Bahava	47	ornamental plant, medicinal plant
3	Lagerstromia indica	Taman	40	State flower tree of Maharashtra Medium sized tree, beautiful purple flowers
4	Spathodia companulata	Pichkari	02	This tree is planted extensively as an ornamental tree and is much appreciated for its very showy reddish-orange or crimson
5	Terminalia catappa	Deshi Badam	38	fruit bearing tree, bird attractive
6	Bahunia blackiana	Kanchan	28	This is a very popular ornamental tree in subtropical and tropical climates, grown for its scented flowers and also used as food item.
7	Saraca indica	Sita's Ashoka	35	Medicinal value, Religious plant.
8	Alstonia scholaris	Satvin	11	Medicinal value, Religious plant.
9	Michelia champaca	Pivala Chapha	52	This is a very popular ornamental tree, popular for scented flower
10	Azadirachta indica	Neem	01	Large tree, good for roadside plantation
11	Plumeria alba	Chapha	05	This is a very popular ornamental tree, popular for scented flower

45.Total quantity of plants on ground

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

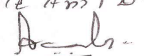
Serial Number	Name	C/C Distance	Area m2
1	na	0	0

47.Energy

Joy S. Thakur

Joy S.Thakur (Secretary SEAC-III)

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Name: K. Anil Kale

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

Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	30 KW
	DG set as Power back-up during construction phase	40 KVA x 1 No. as backup
	During Operation phase (Connected load):	3838 KW
	During Operation phase (Demand load):	2056 KW
	Transformer:	22KV / 630 KVA - 3 No's, 22KV / 315 KVA - 1 No
	DG set as Power back-up during operation phase:	For Wing's - A, B, C, D, E, F & G For Amenity Bldg 2 No's x 160 KVA. For Wing's of MHADA Bldg. : 1 no x 100 KVA & 1 No x 40 KVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	Not Applicable

48. Energy saving by non-conventional method:

Energy Conservation Measures % Savings Proposed Per Day
Solar Street Light Fitting - Pole Light On Road Side. - 10.45 KWH
Energy Saving by Solar Hot Water System. 5152.5 KWH

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total Annual saving in KWH for street light fittings, solar water	5162.95 KWH (5.31%)
2	Total Annual saving in KWH for solar Power, hot water & LED	5288.82 KWH (7.11%)

50. Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Sewage generation during operation phase	Not applicable	2 No. of STP will be installed
Wet Garbage generation during operation phase	Not applicable	OWC machine will be installed
DG Set	Not applicable	Acoustic enclosure to DG set to reduce noise pollution, DG set as per CPCB norms

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	126
	O & M cost:	2.52

51. Environmental Management plan Budgetary Allocation

 Joy S. Thakur (Secretary SEAC-III)	SEAC Meeting No: 74 Meeting Date: October 25, 2018	Page 78 of 160	Name: K. Anil Kale  Shri. Anil Kale (Chairman SEAC-III)
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a) Construction phase (with Break-up):			
Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Erosion control	Dust suppression	1.0
2	Site sanitation & safety	Provision of toilets	5.0
3	Environmental monitoring	STP, OWC	0.75
4	sanitation	for labours	0.08
5	Health Check up	for labours	0.1

b) Operation Phase (with Break-up):				
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Rain water harvesting	For installation of RWH pits	15.00	0.75
2	Storm water networking	internal storm water channel installation	1.42	0.16
3	Sewage Treatment Plant	2 No of STP will be installed	109.00	10.9
4	Organic waste converter machine	Organic waste composting machine	43.50	11.30
5	Tree Plantation	trees & shrubs plantation	25.60	1.80
6	Energy saving	Solar water heater	126	2.52
7	Environmental monitoring	To maintain environmental monitoring services	0	1.60

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

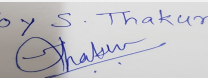
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

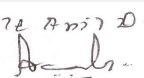
53.Traffic Management

Nos. of the junction to the main road & design of confluence:	1
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Joy S. Thakur

Joy S.Thakur (Secretary SEAC-III)

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Name: K 072 Anil D.

Shri. Anil Kale (Chairman SEAC-III)

Parking details:	Number and area of basement:	1 no of basement 9850.85 sqm
	Number and area of podia:	Nil
	Total Parking area:	18,742.70 Sq m.
	Area per car:	basement- 35 sq m, stilt- 30 Sq m, open - 25 sq m
	Area per car:	basement- 35 sq m, stilt- 30 Sq m, open - 25 sq m
	Number of 2-Wheelers as approved by competent authority:	Required -1991, Provided -1991
	Number of 4-Wheelers as approved by competent authority:	required- 498, provided 556
	Public Transport:	Nil
	Width of all Internal roads (m):	6 mt
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	More than 10 Km
	Category as per schedule of EIA Notification sheet	category B2; Activity under Item 8 (a) of the EIA Notification dated 14th September 2006 as amended on 1st December , 2009
	Court cases pending if any	Case no - 2nd appeal 597/17 Case no - special civil suite no - 1484/12
	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		

 Joy S.Thakur (Secretary SEAC-III)	SEAC Meeting No: 74 Meeting Date: October 25, 2018	Page 80 of 160	Name: K 072 Anil D. Signature:  Shri. Anil Kale (Chairman SEAC-III)
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Environment clearance for proposed residential construction project located at S. No. 100/1/2, 101/1, 149/1A, 150/2/1, 150/2/2, Near BRT road, Rave, Pune by Mr. Satish Aswani.

PP submitted their application for prior Environmental clearance for total plot area of 71,788.33 Sq. Mtrs, FSI area 34,186.04 Sq.m, Non FSI 55821.44 Sq.m and Total Built up Area of 88007.48 Sq. Mtrs. Now PP proposes to construct 4 residential buildings.

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

DECISION OF SEAC

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

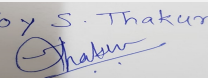
Specific Conditions by SEAC:

- 1) PP informed that they have applied for High Tension Line NOC from Competent Authority. PP to submit the same.

FINAL RECOMMENDATION

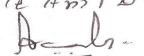
SEAC-III have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions

SEAC-AGENDA-00000153

Joy S. Thakur

Joy S.Thakur (Secretary
SEAC-III)

SEAC Meeting No: 74 Meeting Date: October
25, 2018

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

Agenda of 74th Meeting of SEAC-3 (DAY-1)

SEAC Meeting number: 74 Meeting Date October 25, 2018

Subject: Environment Clearance for Environmental clearance for residential cum commercial construction project

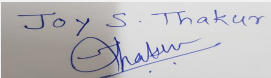
Is a Violation Case: No

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

1.Name of Project	Valencia
2.Type of institution	Private
3.Name of Project Proponent	Mainland Builders Pvt. Ltd.
4.Name of Consultant	Not required
5.Type of project	Housing
6.New project/expansion in existing project/modernization/diversification in existing project	Not applicable
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Gat no. 887 (P), 888 (P), 889 (P), 890 (P), Wagholi, Pune
9.Taluka	Haveli
10.Village	Wagholi
11.Area of the project	PMRDA
12.IOD/IOA/Concession/Plan Approval Number	IOD In process
	IOD/IOA/Concession/Plan Approval Number: Not applicable
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	Site office, sample flat, Building A upto 9 floors, Building B upto 12 floors constructed. area: 11297.86 sqm as per sanction BHA/1580 year 16-17
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	14375.80 sqm
16.Deductions	5905.11 sqm
17.Net Plot area	8469.89 sqm
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 17270.28 sqm
	b) Non FSI area (sq. m.): 18163.23 sqm
	c) Total BUA area (sq. m.): 35433.51 sqm
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)	1190 sqm approx
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	14 %
21.Estimated cost of the project	840000000

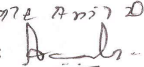
22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building A	Ground parking+ stilt parking + 12	40.60 m
2	Building B	Ground parking+ stilt parking + 12	40.60 m


Joy S.Thakur (Secretary SEAC-III)

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

3	Building C	Basement+ lower ground + upper ground +9	33.28 m
4	club house	G+1	NA

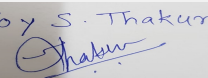
23.Number of tenants and shops	236 tenements and convenient shops and offices
24.Number of expected residents / users	Residential: 1180 ; Commercial: 710
25.Tenant density per hectare	350
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	36 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	Site office, sample flat, Building A (9 floors)and B (12 floors), battery ware house in amenity plot
30.Details of the demolition with disposal (If applicable)	Battery ware house will be demolished. Debris will be used on the same site as filling material

31.Production Details

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

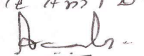
32.Total Water Requirement

Dry season:	Source of water	Wagholi Gram Panchayat
	Fresh water (CMD):	120 KL
	Recycled water - Flushing (CMD):	71 KL
	Recycled water - Gardening (CMD):	13 KL
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	204 KL
	Fire fighting - Underground water tank(CMD):	200 KL
	Fire fighting - Overhead water tank(CMD):	25 KL for each building
	Excess treated water	95 KL

Joy S. Thakur

Joy S.Thakur (Secretary SEAC-III)

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

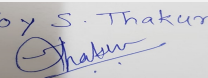
Wet season:	Source of water	Wagholi Gram Panchayat
	Fresh water (CMD):	120 KL
	Recycled water - Flushing (CMD):	71 KL
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	191 KL
	Fire fighting - Underground water tank(CMD):	200 KL
	Fire fighting - Overhead water tank(CMD):	25 KL for each building
	Excess treated water	108 KL

Details of Swimming pool (If any) Not applicable

33.Details of Total water consumed

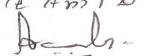
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	0	120	120	0	10%	10%	0	179	179
Gardening	0	13	13	0	13	13	0	0	0

34.Rain Water Harvesting (RWH)	Level of the Ground water table:	6-7 m below ground
	Size and no of RWH tank(s) and Quantity:	Not applicable
	Location of the RWH tank(s):	Not applicable
	Quantity of recharge pits:	1 no. of recharge pit with bore
	Size of recharge pits :	2m x 2m x 3m
	Budgetary allocation (Capital cost) :	Rs 80,000
	Budgetary allocation (O & M cost) :	Rs 9,600 per annum
	Details of UGT tanks if any :	Residential: Domestic UGT: 160 KLD Flushing UGT: 94 KLD Fire UGT: 200 KLD Commercial: Domestic UGT: 21.30 KLD Flushing UGT: 27 KLD

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Name: Kote Anil D.

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

35.Storm water drainage	Natural water drainage pattern:	As per contour
	Quantity of storm water:	745.65 cum/day
	Size of SWD:	300 mm x 300 mm to 300 mm x 670 mm

Sewage and Waste water	Sewage generation in KLD:	179
	STP technology:	MBBR
	Capacity of STP (CMD):	1 no. 200 KLD capacity
	Location & area of the STP:	Please refer layout
	Budgetary allocation (Capital cost):	Rs 30,00,000/-
	Budgetary allocation (O & M cost):	Rs 3,00,000/- per annum

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	Waste generation:	1 % of total raw materials
	Disposal of the construction waste debris:	Excavated earth material will be used for filling material for plinth area and top soil for landscaping

Waste generation in the operation Phase:	Dry waste:	277 kg/day
	Wet waste:	372 kg/day
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	20 kg/day
	Others if any:	Not applicable

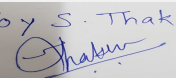
Mode of Disposal of waste:	Dry waste:	Through authorized vendor
	Wet waste:	OWC
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Used as manure
	Others if any:	Not applicable

Area requirement:	Location(s):	Please refer layout
	Area for the storage of waste & other material:	35 sqm
	Area for machinery:	15 sqm

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs 7,00,000/-
	O & M cost:	Rs 1,80,000/- per annum

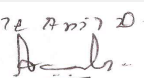
37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
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Name: K. Anil Kale

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1	pH	Not applicable	7-7.5	6.5-7.5	Not applicable
2	Total Suspended solids	mg/lit	200-300	<10	Not to exceed 50
3	Oil & grease	mg/lit	10	<5	Not applicable
4	BOD	mg/lit	200-300	<10	Not to exceed 10
5	COD	mg/lit	350-400	<50	Not to exceed 100
6	Total nitrogen	mg/lit	40-50	<10	Not applicable
7	Phosphates	mg/lit	5-7	<2	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

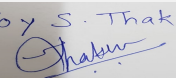
41.Source of Fuel Not applicable

42.Mode of Transportation of fuel to site Not applicable

43.Green Belt Development

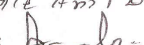
Total RG area :	1310.16 sqm
No of trees to be cut :	10 (tree cutting NOC obtained)
Number of trees to be planted :	182 no. of trees to be planted; 19 no. of trees to be transplanted
List of proposed native trees :	As per below list
Timeline for completion of plantation :	1 year

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

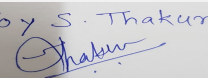
Joy S. Thakur

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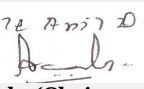
Name: K. Anil Kale

 Shri. Anil Kale (Chairman SEAC-III)

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Ailanthus excelsa	Maharukh	8	control soil erosion
2	Albizia lebbek	Shirish	8	Medicinal for skin, fragrant flowers, control soil erosion, bird attracting species
3	Anthocephalus kadamba	Kadamb	8	Medicinal value, control soil erosion
4	Azadirachta indica	Neem	12	Medicinal value, control soil erosion
5	Bauhinia blackenia	Kanchanraj	8	Every part of plant is medicinal, drought tolerant
6	Bauhinia purpurea	Gulabi Kanchan	8	Every part of plant is medicinal, drought tolerant
7	Butea monosperma	Palas	8	Medicinal value, bird attracting species, to control soil erosion
8	Cassia fistula	Bahawa	8	Medicinal value, drought tolerant species, very ornamental, well flowering, honey bee attracting species, host plant for butterfly
9	Choclospermum religiosum	Sonsawar	8	Medicinal value, native species
10	Cordia dichotoma	Bhokar	8	Medicinal value, edible fruits
11	Dalbergia sisoo	Shisav	8	Medicinal value, bird attracting species
12	Ficus arnottiana	Payar	8	Drought tolerant, bird attracting species, to control soil erosion
13	Ficus retusa	Nandruk	4	Medicinal value, bird attracting species, drought tolerant, hardy
14	Phyllanthus embelic	Awala	4	Medicinal value, to control soil erosion
15	Ficus glomerata	Ummber	7	medicinal value, edible fruits, bird attracting
16	Mangifera indica	Mango	4	Edible fruit, bird attracting
17	Michelia champaca	Sonchafa	4	Medicinal value, fragrant flowers, butterfly larvae, bird attracting species
18	Pongamia pinnata	Karanj	4	Medicinal, drought tolerant, control soil erosion, hardy plant
19	Saraca indica	Sita Ashok	4	Medicinal value, religious plant
20	Syzygium cumini	Jamun	4	Medicinal, edible fruit
21	Bauhinia racemosa	Apta	4	every part of the plant is medicinal, drought tolerant
22	Caryota urens	Fishtail palm	4	grown in any type of soil, hardy
23	Citrus species	Lemon	4	Medicinal value, edible fruit
24	Dallbergia sisoo	Shisav	4	medicinal value, bird attracting
25	Erythrina indica	Pangara	4	fragrant flowers, drought tolerant, bird attracting
26	Gmelia arborea	Shivan	3	Medicinal value, drought tolerant, bird attracting
27	Mimosups elengii	Bakul	4	fragrant flowers, medicinal value, to control soil erosion

Joy S. Thakur

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28	Murraya koengii	Kadipatta	4	Medicinal value, edible leaves
29	Aeglemarmelos	Bel	4	Fragrant flowers, bird attracting species
30	Nyctanthus arbotritis	Parijatak	4	Fragrant flowers, medicinal value
31	Putrnjiva roxburghii	Putranjiva	4	Medicinal value, drought tolerant
32	Roystonia regia	Bottle palm	4	Ornamental plant, medicinal value

45.Total quantity of plants on ground

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

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

47.Energy

Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	10 KW
	DG set as Power back-up during construction phase	40 KVA
	During Operation phase (Connected load):	1426.7 KW
	During Operation phase (Demand load):	802 KVA
	Transformer:	630 KVA x 1; 315 KVA x 1
	DG set as Power back-up during operation phase:	Residential: 200 KVA x 1; Commercial: 330 KVA x 1
	Fuel used:	Diesel
Details of high tension line passing through the plot if any:	Not applicable	

48.Energy saving by non-conventional method:

- Auto timer control for external and common lighting.
- Use of LED lamps in all public/ common areas.
- Electronic V3F Drives for Elevators
- Alternate Solar PV panel power for common area lighting.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Common area lighting using Timer Logic Controller	18250 KWH/annum
2	Electronic VVF drive for lift	2202 KWH/annum
3	External lighting	7590 KWH/annum
4	Pu,p load energy saving	2447 KWH/annum

50.Details of pollution control Systems

 Joy S.Thakur (Secretary SEAC-III)	SEAC Meeting No: 74 Meeting Date: October 25, 2018	Page 88 of 160	Name: K. Anil Kale  Signature: Shri. Anil Kale (Chairman SEAC-III)
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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 81,54,000/-
	O & M cost:	Rs 14,14,040/- per annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Erosion control	Dust suppression measures and barricading	RS 5,00,000/-
2	Site safety	Safety nets, ear muffs, sign boards for workers	Rs 4,00,000/-
3	Site sanitation	Mobile toilets and its maintenance for workers	Rs 2,00,000/-
4	Disinfection and health check up	Disinfection of water, maintaining hygienic conditions for workers	Rs 1,50,000/-
5	Environmental monitoring	Air, water, noise, soil monitoring	Rs 1,00,000/-

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	Operation and installation	Rs 30,00,000/-	Rs 3,00,000/-
2	Rain water harvesting	Internal piping	Rs 80,000/-	Rs 9600/-
3	Storm water networking	Upto final disposal	Rs 25,00,000/-	Rs 1,00,000/-
4	Solid waste management	OWC operation and installation	Rs 7,00,000/-	Rs 1,80,000/-
5	Green belt	Planting trees and maintaining trees and lawn	Rs 27,80,000/-	Rs 4,45,000/-
6	Solar Energy	Installation and operation	Rs 81,54,000/-	Rs 14,14,040/-
7	Safety training and awareness	Fire safety awareness training	Rs 9,00,000/-	0
8	Environmental expenditure	ir, water, noise, soil monitoring	0	Rs 1,50,000/-
9	Water supply through tankers	in case of emergency	Rs12.00.000/- (for 3 months)	0

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

 Joy S.Thakur (Secretary SEAC-III)	SEAC Meeting No: 74 Meeting Date: October 25, 2018	Page 89 of 160	Name: K. Anil Kale  Shri. Anil Kale (Chairman SEAC-III)
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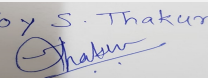
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52. Any Other Information

No Information Available

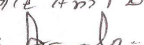
53. Traffic Management

	Nos. of the junction to the main road & design of confluence:	1
Parking details:	Number and area of basement:	1 no. area: 1272.83 sqm
	Number and area of podia:	0
	Total Parking area:	6634 sqm
	Area per car:	Open: 25 sqm; Covered: 30 sqm; Basement: 35 sqm
	Area per car:	Open: 25 sqm; Covered: 30 sqm; Basement: 35 sqm
	Number of 2-Wheelers as approved by competent authority:	460
	Number of 4-Wheelers as approved by competent authority:	157
	Public Transport:	Not applicable
	Width of all Internal roads (m):	12 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	Not applicable
	Court cases pending if any	Not applicable
	Other Relevant Informations	Not applicable

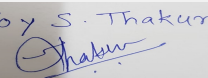
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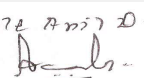
Name: K. Anil Kale

 Shri. Anil Kale (Chairman SEAC-III)

	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	16-02-2016
SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS		
Summarised in brief information of Project as below.		
Brief information of the project by SEAC		
14375.80 m2, BUA of 35433.51 m2 and FSI area of 17270.28 m2. PP proposes to construct 3 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		
SEAC decided to recommend the proposal for prior environmental Clearance, subject to PP complying with the above conditions.		
Specific Conditions by SEAC:		
1) PP has submitted undertaking that they will not give possession till NOC from Grampanchyat to laying the SWD along with road line is obtained.		
FINAL RECOMMENDATION		
SEAC-III have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions		

Joy S. Thakur

Joy S. Thakur (Secretary SEAC-III)

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Name: K. Anil Kale

Shri. Anil Kale (Chairman SEAC-III)

Agenda of 74th Meeting of SEAC-3 (DAY-1)

SEAC Meeting number: 74 Meeting Date October 25, 2018

Subject: Environment Clearance for CONSTRUCTION PROJECT S. No. 59(P), Tathawade, Tal. Haveli, Pune 411033, Maharashtra

Is a Violation Case: No

1.Name of Project	Ganga Amber
2.Type of institution	Private
3.Name of Project Proponent	M/s. Shree Siddhivinayak Developers Name : Mr. Annuj Goel
4.Name of Consultant	Goldfinch Engineering System Private Limited
5.Type of project	Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	Amalgamation of two adjacent project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	S. No. 59(P), Tathawade, Tal. Haveli, Pune 411033, Maharashtra
9.Taluka	Mulshi
10.Village	Tathawade
Correspondence Name:	Mr. Annuj Goel
Room Number:	NA
Floor:	NA
Building Name:	GANGA AMBAR S. No. 59(P), Tathawade, Tal. Haveli, Pune 411033, Maharashtra
Road/Street Name:	S. No. 59(P), Tathawade, Tal. Haveli, Pune 411033, Maharashtra
Locality:	Tathawade
City:	Pimpri Chinchwad
11.Area of the project	PCMC
12.IOD/IOA/Concession/Plan Approval Number	NA IOD/IOA/Concession/Plan Approval Number: PMC / PCMC Plan Sanctioned Approved Built-up Area: 98135.05
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.)	24800.00 sq.mt.
16.Deductions	4369.12 sq.mt.
17.Net Plot area	20430.88 sq.mt.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 44495.66 sq.mt. b) Non FSI area (sq. m.): 53639.39 sq.mt. c) Total BUA area (sq. m.): 98135
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 44495.66 Approved Non FSI area (sq. m.): 53639.39 Date of Approval: 31-07-2017
19.Total ground coverage (m2)	8709.09 sq.mt.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	35.12% on total plot area
21.Estimated cost of the project	835900000

22.Number of buildings & its configuration

 Joy S.Thakur (Secretary SEAC-III)	SEAC Meeting No: 74 Meeting Date: October 25, 2018	Page 92 of 160	Name: K. Anil Kale Signature:  Shri. Anil Kale (Chairman SEAC-III)
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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A - TYPE	P+12	36.00 m
2	B - TYPE	P+12	36.00 m
3	C - TYPE	4P+18	66.85 m
4	D - TYPE	4P+10	43.65 m
5	E - TYPE	4P+18	66.85 m
6	F - TYPE (OLD B TYPE)	P+STILT+12	41.55 m
7	G - TYPE (OLD A TYPE)	P+STILT+12	41.20 m
8	H - TYPE	P+STILT+12	41.20 m
9	I - TYPE	G+11	35.95 m

23.Number of tenants and shops	Tenanment : 779 Nos , Shop 12 Nos
24.Number of expected residents / users	Ressidential = 3895 , Commercial = 112
25.Tenant density per hectare	189/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))	Nearest fire station distance 4.7 km (Hinjewadi Fire Station)
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	NO
30.Details of the demolition with disposal (If applicable)	NA

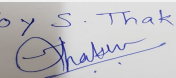
31.Production Details

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

32.Total Water Requirement

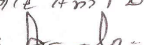
 Joy S.Thakur (Secretary SEAC-III)	SEAC Meeting No: 74 Meeting Date: October 25, 2018	Page 93 of 160	Name: Kote Anil D. Signature:  Shri. Anil Kale (Chairman SEAC-III)
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Dry season:	Source of water	PCMC								
	Fresh water (CMD):	354								
	Recycled water - Flushing (CMD):	178								
	Recycled water - Gardening (CMD):	20								
	Swimming pool make up (Cum):	No								
	Total Water Requirement (CMD) :	552								
	Fire fighting - Underground water tank(CMD):	525								
	Fire fighting - Overhead water tank(CMD):	20 Each Building								
	Excess treated water	298								
Wet season:	Source of water	PCMC								
	Fresh water (CMD):	354								
	Recycled water - Flushing (CMD):	178								
	Recycled water - Gardening (CMD):	NA								
	Swimming pool make up (Cum):	No								
	Total Water Requirement (CMD) :	318								
	Fire fighting - Underground water tank(CMD):	525								
	Fire fighting - Overhead water tank(CMD):	20 Each Building								
	Excess treated water	NA								
Details of Swimming pool (If any)	NA									
33.Details of Total water consumed										
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)			
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total	
Domestic	NoNt applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	

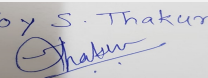
Joy S. Thakur

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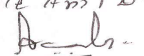
Name: **Kale Anil D.**

Shri. Anil Kale (Chairman SEAC-III)

34.Rain Water Harvesting (RWH)	Level of the Ground water table:	4 m
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	15 Nos
	Size of recharge pits :	5m x 3m x 2m
	Budgetary allocation (Capital cost) :	9.5 lacs
	Budgetary allocation (O & M cost) :	1.2 lacs/year
	Details of UGT tanks if any :	"Domestic U/G tank Capacity (cum) : 530 Flushing tank Capacity (cum) : 181cum Fire U/G tank Capacity (cum) : 525"
35.Storm water drainage	Natural water drainage pattern:	E to W
	Quantity of storm water:	886.6cum/hr
	Size of SWD:	250-600 mm
Sewage and Waste water	Sewage generation in KLD:	496
	STP technology:	MBBR
	Capacity of STP (CMD):	550 (Existing STP-100KLD,STP1-150KLD,STP2-145KLD,STP3-155KLD)
	Location & area of the STP:	Near C TYPE Building
	Budgetary allocation (Capital cost):	Existing STP -24lac ;Proposed STP -102.5lacs
	Budgetary allocation (O & M cost):	Existing STP-6.5lac/yr ;Proposed STP -24 lacs/year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	59KG
	Disposal of the construction waste debris:	NA
Waste generation in the operation Phase:	Dry waste:	692.825 KG
	Wet waste:	1115.675 KG
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	38.2 kg
	Others if any:	NA

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Name: K. Anil Kale
 Signature: 
 Shri. Anil Kale (Chairman
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Mode of Disposal of waste:	Dry waste:	Dry waste will be sent for recycling to SWACH
	Wet waste:	Wet waste will be converting to composting for by OWC
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	STP sludge sent to SWM site for converting in to compost
	Others if any:	NA
Area requirement:	Location(s):	Near to STP
	Area for the storage of waste & other material:	40 Sqm
	Area for machinery:	36 Sqm
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	23.49 Lacs
	O & M cost:	6.54 Lacs

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

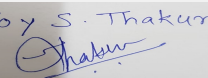
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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

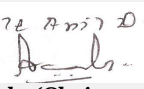
40. Details of Fuel to be used

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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Name: K. Anil Kale

 Shri. Anil Kale (Chairman SEAC-III)

43.Green Belt Development	Total RG area :	3095.62 Sqm
	No of trees to be cut :	NO
	Number of trees to be planted :	286
	List of proposed native trees :	LIST MENTIONED BELOW
	Timeline for completion of plantation :	Before 1 year construction

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Anthoceph alluscadamba	kadamb	52	Good for road side plantation and provide shade
2	Albzialeb beck	Shirish	39	Good for road side plantation and provide shade
3	Saracaindica	Sita Ashok	39	Spreading , evergreen tree suitable for all types of garden
4	Azadir ahtaindica	Neem	40	Good for restoration of dryer part, good for air purifier and have medicinal properties
5	Murryap aniculata	Kunti	35	Good for arnamental purpose
6	Michelia Champaka	Son chafa	36	Good for arnamental purpose
7	Langerstromiaflos-regineae	Tamhan	45	Good as a avenue tree, good for group planting around water gardens and ponds.

45.Total quantity of plants on ground

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

Serial Number	Name	C/C Distance	Area m2
1	Thevetia Nerifolia	0.9	80.31 sq m
2	Stachytarpheta	0.45	80.31 sq m
3	plumbbago zeylanic	0.6	80.31 sq m
4	acorus calamus	0.45	80.31 sq m
5	Korphad	0.6	80.31 sq m
6	Ocimum sanctum	0.45	80.31 sq m
7	Cymbopogon floxosus	0.45	80.31 sq m
8	Hibiscus	0.75	80.31 sq m
9	Nerium oleander	0.9	80.31 sq m
10	Gokarana	0.6	80.31 sq m

47.Energy

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Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	75 KW
	DG set as Power back-up during construction phase	82.5 KW
	During Operation phase (Connected load):	3732 KW
	During Operation phase (Demand load):	1941 KW
	Transformer:	1) 3 nos. of 630 KVA 2)1 nos. 315 KVA
	DG set as Power back-up during operation phase:	1) 1 NO. OF 125 KVA 2) 1 NO. OF 160 KVA
	Fuel used:	1) 160 KVA DG-27.7 LIT/HR@75% LOADING 2)125 KVA DG-20.2 LIT/HR@ 75% LOADING
	Details of high tension line passing through the plot if any:	No

48. Energy saving by non-conventional method:

Auto Timer control for external & Common lighting
 Use of CFL / LED lamps in all public/ common areas.
 Solar powered water heating .
 Electronic V3F Drives for Elevators
 Solar PV Panel power for common area lighting.

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar PV panel , Timer Logic Controller, Electronic V3F drive for Lifts, Solar Water Heater	17.04 %

50. Details of pollution control Systems

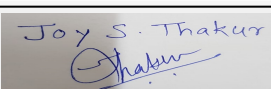
Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	153.88 lacs
	O & M cost:	6.05 lac

51. Environmental Management plan Budgetary Allocation

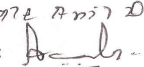
a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water	Dust Suppression	0.7
2	Site Sanitation, Health Check Up & Safety	Health & Safety	1.0
3	Environmental Monitoring	Air, Water, Noise Soil	0.4


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Name: K. Anil Kale

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

4	NA	NA	NA
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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	Air, water, Noise, Soil	Post Project Environment Monitoring	0	0.125
2	Water	Rainwater Harvesting	9.5 lacs	1.2 lacs/year
3	Wastewater	Sewage Treatment Plant	126.5lacs	30.5 lacs/Year
4	Municipal Solid waste	Solid waste Management	23.49	6.54
5	Plantation	Landscaping	10.14	2.08
6	Energy	Energy Savings	153.88 lacs	6.05 lac

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

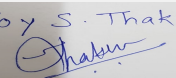
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

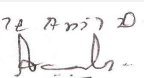
53.Traffic Management

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

Parking details:	Number and area of basement:	No
	Number and area of podia:	4 nos
	Total Parking area:	18753.40 Sqm
	Area per car:	30 Sqm & 25 Sqm
	Area per car:	30 Sqm & 25 Sqm
	Number of 2-Wheelers as approved by competent authority:	1582 Nos
	Number of 4-Wheelers as approved by competent authority:	398 Nos
	Public Transport:	Available near to side
	Width of all Internal roads (m):	9 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	B2
	Court cases pending if any	NO
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorisred in brief information of Project as below.

Brief information of the project by SEAC

 Joy S.Thakur (Secretary SEAC-III)	SEAC Meeting No: 74 Meeting Date: October 25, 2018	Page 100 of 160	Name: K 072 Anil D.  Signature: Shri. Anil Kale (Chairman SEAC-III)
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Environment Clearance for Construction Project at. No. 59(P), Tathawade, Tal. Haveli, Pune by M/s. Shree Siddhivinayak Developers.

PP submitted their application for prior Environmental clearance for total plot area of 24800.00 Sq. Mtrs, FSI area of 44495.66 Sq. Mtrs, Non FSI area of 53639.39 Sq.m and total BUA of 98,135 Sq. Mtrs. PP proposes to construct 9 residential buildings.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8 (b) B1.

DECISION OF SEAC

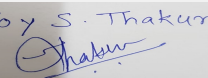
*PP requested for time to submit above information; after deliberations committee asked PP to **comply with the above observations** and submit information to the committee for further discussion and consideration of SEAC.*

Specific Conditions by SEAC:

- 1) PP has stated that until and unless storm water drain / sewerage line NOC and sustainable water supply is ensured, no occupation will be given. PP to submit undertaking for the same.
- 2) PP to submit phase wise development plan considering wind rose diagram along with mitigation measures to avoid inconvenience to resident.
- 3) PP to submit revised disaster management plan with disaster management committee.
- 4) PP to submit details of CER activities in consultation with the affected people in the project area as per MoEF&CC circular dated 01.05.2018 with details of fund utilization & agreement with executor.
- 5) PP to submit site specific EMP with costing.
- 6) PP to submit debris management plan.
- 7) PP to submit NOCs for water supply, E-waste and CFO
- 8) PP to submit NOC from adjoining plot owner as SWD & sewer line passing through their plot.
- 9) PP to submit revised drawing of SWD up to disposal line along with chamber details, silt chamber also submit details of RWH recharge pit.
- 10) PP to submit details of socio-economic infrastructure within vicinity.

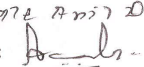
FINAL RECOMMENDATION

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

Joy S. Thakur

Joy S. Thakur (Secretary
SEAC-III)

SEAC Meeting No: 74 Meeting Date: October
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Name: Kote Anil D.
Signature: 
Shri. Anil Kale (Chairman
SEAC-III)

Agenda of 74th Meeting of SEAC-3 (DAY-1)

SEAC Meeting number: 74 Meeting Date October 25, 2018

Subject: Environment Clearance for Proposed Residential & Commercial Development project " B A Swadesh" at Gat.No. 231, Moshi Borhadewadi, Pune By M/s. Spectrum Realty

Is a Violation Case: No

1.Name of Project	Proposed Residential & Commercial Development project " B A Swadesh" at Gat.No. 231, Moshi Borhadewadi, Pune By M/s. Spectrum Realty
2.Type of institution	Private
3.Name of Project Proponent	Mr. Sachin Bhandari
4.Name of Consultant	J M EnviroNet Pvt Ltd-Sayali Jagtap(EIA Coordinator)
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. 231, Moshi Borhadewadi, Pune
9.Taluka	Haveli
10.Village	Moshi Borhadewadi
Correspondence Name:	Ms. Sayali Jagtap
Room Number:	F3
Floor:	First Floor
Building Name:	Dindayal Nagar
Road/Street Name:	Medical College road
Locality:	Katraj
City:	Pune
11.Area of the project	Pimpri Chinchwad Municipal Corporation (PCMC)
12.IOD/IOA/Concession/Plan Approval Number	Applied IOD/IOA/Concession/Plan Approval Number: Applied Approved Built-up Area:
13.Note on the initiated work (If applicable)	Not yet started
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	19000
16.Deductions	3059.25
17.Net Plot area	15259.45
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 27857.84 b) Non FSI area (sq. m.): 34306.64 c) Total BUA area (sq. m.): 62164.48
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): Approved Non FSI area (sq. m.): Date of Approval: 01-01-1900
19.Total ground coverage (m2)	2897.69
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	18.98 %
21.Estimated cost of the project	1172000000

22.Number of buildings & its configuration

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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building A + Commercial(7 shops)	GP+PP+12 Floors	42.15
2	Building B	GP+PP+12 Floors	42.15
3	Building C	GP+PP+12 Floors	42.15
4	Building D	GP+PP+12 Floors	42.15
5	Building E	GP+PP+12 Floors	42.15
6	Building F	GP+PP+12 Floors	42.15
7	Building G	GP+PP+12 Floors	42.15
8	Club house	G + 1 Floor	7.80

23.Number of tenants and shops	Residential : 599 Commercial : 7 shops
24.Number of expected residents / users	Residential: 2995 nos. Commercial : 54 nos
25.Tenant density per hectare	315.26 per 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))	The project has access from 12 m wide road from nearest PCMC fire station Distance :8.6 km
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.00 m
29.Existing structure (s) if any	Not applicable
30.Details of the demolition with disposal (If applicable)	Not applicable

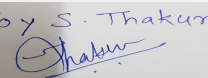
31.Production Details

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

32.Total Water Requirement

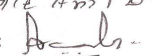
 Joy S.Thakur (Secretary SEAC-III)	SEAC Meeting No: 74 Meeting Date: October 25, 2018	Page 103 of 160	Name: K. Anil Kale  Signature: Shri. Anil Kale (Chairman SEAC-III)
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Dry season:	Source of water	Pimpri Chinchwad Municipal Corporation (PCMC)							
	Fresh water (CMD):	270.62							
	Recycled water - Flushing (CMD):	136.12							
	Recycled water - Gardening (CMD):	11							
	Swimming pool make up (Cum):	0							
	Total Water Requirement (CMD) :	417.74							
	Fire fighting - Underground water tank(CMD):	350							
	Fire fighting - Overhead water tank(CMD):	20							
	Excess treated water	178.28							
Wet season:	Source of water	Pimpri Chinchwad Municipal Corporation (PCMC)							
	Fresh water (CMD):	270.62							
	Recycled water - Flushing (CMD):	136.12							
	Recycled water - Gardening (CMD):	0							
	Swimming pool make up (Cum):	0							
	Total Water Requirement (CMD) :	406.74							
	Fire fighting - Underground water tank(CMD):	350							
	Fire fighting - Overhead water tank(CMD):	20							
	Excess treated water	189.28							
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

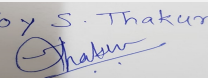
Joy S. Thakur

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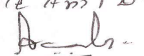
Name: K. Anil Kale

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

34.Rain Water Harvesting (RWH)	Level of the Ground water table:	Pre-Monsoon : 20 to 25 m BGL ; Post-Monsoon : 8 to 10 m BGL
	Size and no of RWH tank(s) and Quantity:	Not applicable
	Location of the RWH tank(s):	Not applicable
	Quantity of recharge pits:	03
	Size of recharge pits :	2 x 2 x 1.75 m & 2 x 2 x 2 m
	Budgetary allocation (Capital cost) :	Rs. 3,00,000 /-
	Budgetary allocation (O & M cost) :	Rs. 60,000 /-
	Details of UGT tanks if any :	Domestic UG tank Capacity (cum) : 406 m3 Flushing tank Capacity(cum): 205 m3 Fire UG tank Capacity (cum): 350 m3
35.Storm water drainage	Natural water drainage pattern:	South to North
	Quantity of storm water:	434.32 m3/hr
	Size of SWD:	450mm Dia Pipe At 1:200 Slope
Sewage and Waste water	Sewage generation in KLD:	366.06
	STP technology:	MMBR Technology
	Capacity of STP (CMD):	370 KLD
	Location & area of the STP:	180 Sq.m
	Budgetary allocation (Capital cost):	Rs. 57,50,000 /-
	Budgetary allocation (O & M cost):	Rs. 10,95,000 /-
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	30 kg/day
	Disposal of the construction waste debris:	Will be used for backfilling within site.
Waste generation in the operation Phase:	Dry waste:	607 kg/day
	Wet waste:	905 kg/day
	Hazardous waste:	Negligible
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	32.69 kg/day
	Others if any:	Not Applicable

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Name: K. Anil Kale

 Signature: Shri. Anil Kale (Chairman
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Mode of Disposal of waste:	Dry waste:	To Authorized vendor
	Wet waste:	Treatment of OWC
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	After treatment will be used as manure
	Others if any:	Not Applicable
Area requirement:	Location(s):	Shown in layout
	Area for the storage of waste & other material:	27 Sq.m
	Area for machinery:	57 Sq.m
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 25,75,000 /-
	O & M cost:	Rs. 5,71,284 /-

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

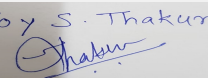
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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

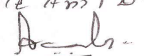
40. Details of Fuel to be used

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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Name: K. Anil Kale

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43.Green Belt Development	Total RG area :	1831.87 Sq.m (10 %)
	No of trees to be cut :	02
	Number of trees to be planted :	06 (Compensatory)
	List of proposed native trees :	200
	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	Cassis fistula	Bahava	15	Medium size deciduous tree, drought tolerant, beautiful yellow flowers, butterfly host plant.
2	Azardirachcta	Neem	15	Semi-evergreen tree with medicinal value.
3	Madhuca Indica	Mahua	10	It is used for the care of the skin, to manufacture soap or detergents
4	Michelia Champaca	Sonchafa	15	Medium size evergreen tree, fragrant yellow flowers, butterfly host plant.
5	Tabebuia Rosea	Rosy trumpet tree	10	It has been used to reduce fevers and pain, cause sweating, to treat tonsil inflammation and various other disorders
6	Spathodea campanulata	Pitchkari	10	Large shady tree with bright orange flowers, good for road side plantation
7	Melia Azardirachcta	Bakan	15	Flowering plant
8	Mesua ferrea	Nagkesar	15	It is used as herbal medicines
9	Diospyros malabarica	Gaub	15	Medicinal plant
10	Anthocephalus cadamba	Kadamb	15	Large size, shady, ball shaped flowering tree
11	Terminalia arjuna	Arjuna	10	Used for silk production
12	Ficus religiosa	Peepal tree	10	It is used in tradition medicine.
13	Peltoforum ferrugineum	Yellow flame tree	10	large & Shady tree
14	Jacaranda mimosifolia	Jacaranda	15	Attractive flowers
15	Areca catechu	Indian nut	10	Used as interior landscaping species.

45.Total quantity of plants on ground

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

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

47.Energy

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Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	44 KW
	DG set as Power back-up during construction phase	62.5 KVA
	During Operation phase (Connected load):	1883.47 KW
	During Operation phase (Demand load):	1700.57 KVA
	Transformer:	3 x 630 kVA & 315 KVA
	DG set as Power back-up during operation phase:	250 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	No

48. Energy saving by non-conventional method:

Solar Hot water system & Solar PV panels

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total Energy saved by solar hot water system + Solar PV panels + Light fitting type & timer savings	33 %

50. Details of pollution control Systems

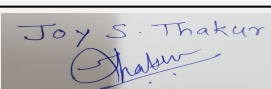
Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 1,36,88,125 /-
	O & M cost:	Rs. 17,43,292 /-

51. Environmental Management plan Budgetary Allocation

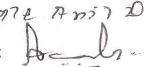
a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air	Erosion control - dust suppression measures and barricading	Rs. 1,06,000/-
2	Land	Site Sanitation	Rs. 45,000/-
3	Health & Safety	Site safety	Rs. 26,500/-
4	Health & Safety	Disinfection and Health Check-ups	Rs. 88,000/-
5	Environment management	Environment Monitoring	Rs. 1,20,000/-

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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	Rain Water Harvesting	03 no pits	Rs. 3,00,000 /-	Rs. 60,000 /-
2	Sewage Treatment Plant	1 STP	Rs. 57,50 ,000 /-	Rs. 10,95,000 /-
3	Organic Waste Composting	1 OWC	Rs. 25,75,000 /-	Rs. 5,71,284 /-
4	Tree Plantation	200 no's of trees	Rs. 29,57,000 /-	Rs. 5,91,400 /-
5	Energy saving	DG set+ Solar hot water system + Solar PV panels	Rs. 1,36,88,125 /-	Rs. 17,43,292 /-
6	Environment Monitoring	Environment management	-	Rs. 1,20,000/-

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

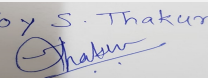
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

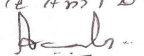
53.Traffic Management

Nos. of the junction to the main road & design of confluence:	The project has access from 12.m wide road
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Parking details:	Number and area of basement:	No
	Number and area of podia:	No
	Total Parking area:	14915.84 Sq. m
	Area per car:	30 Sq.m
	Area per car:	30 Sq.m
	Number of 2-Wheelers as approved by competent authority:	1210 no's
	Number of 4-Wheelers as approved by competent authority:	320 no's
	Public Transport:	Pune city buses
	Width of all Internal roads (m):	6.00 m
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	None within 10 km
	Category as per schedule of EIA Notification sheet	B2
	Court cases pending if any	Not applicable
	Other Relevant Informations	Not applicable
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	04-05-2017

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorisred in brief information of Project as below.

Brief information of the project by SEAC

 Joy S.Thakur (Secretary SEAC-III)	SEAC Meeting No: 74 Meeting Date: October 25, 2018	Page 110 of 160	Name: K. Anil Kale  Signature: Shri. Anil Kale (Chairman SEAC-III)
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Environment Clearance for Proposed Residential & Commercial Development project "B A Swadesh" at Gat.No. 231, Moshi Borhadewadi, Pune By **M/s. Spectrum Realty**.

Last MoM

PP submitted their application for Expansion of Environmental clearance for total plot area of 19000Sq. Mtrs, BUA of 62164.48Sq. Mtrs and FSI area of 27857.84Sq. Mtrs. PP proposes to construct 7 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.

PP to submit debris management plan. Including the disposal of all type of waste material required during construction.

PP to submit energy saving details along with terrace area calculations.

PP to submit indemnity bond for project land.

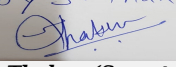
PP to submit a section through the internal road showing the alignment of SW drain ,sewer line, space left for plantation of trees ,space between the building and internal road.

PP to submit undertaking for compliance of all environmental parameters.

PP to submit revise EMP with mentioning correct cost for supply of tanker water if any.


PP to submit CFO NOC.

PP to submit a section through storm water drain and drawing showing the section through the final chamber within property and municipal chamber, along with details of invert level.

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

DECISION OF SEAC


PP remained **absent**, hence committee decided to **defer** the proposal.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

Kindly find SEIAA decision above.

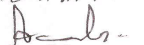
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Name: K 072 Anil D.
Signature: 

Shri. Anil Kale (Chairman
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Agenda of 74th Meeting of SEAC-3 (DAY-1)

SEAC Meeting number: 74 Meeting Date October 25, 2018

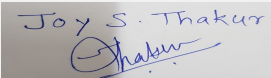
Subject: Environment Clearance for Proposed Residential Construction at Tathawade, Pune

Is a Violation Case: No

1.Name of Project	Proposed Residential Construction
2.Type of institution	Private
3.Name of Project Proponent	Mr. Milind Lunkad/ Mr. Ashwin Lunkad
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	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	S. No. 125/1/B/1, 125/1/B/2, 125/2/1 &125/2/2
9.Taluka	Mulshi
10.Village	Tathawade
Correspondence Name:	Mr. Milind Lunkad/ Mr. Ashwin Lunkad
Room Number:	Rohan Builders & Developers Pvt. Ltd.
Floor:	Second Floor
Building Name:	1 Modibaugh, shivaji Nagar
Road/Street Name:	Ganeshkhind Road
Locality:	Shivaji Nagar
City:	Pune
11.Area of the project	Pimpri Chinchwad Municipal Corporation (PCMC)
12.IOD/IOA/Concession/Plan Approval Number	Pimpri Chinchwad Municipal Corporation (PCMC) IOD/IOA/Concession/Plan Approval Number: In process Approved Built-up Area:
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	As per 7/12: 33,300.00 SQM. & Minimum Plot Area Considered: 30,584.00 SQM.
16.Deductions	4,273.94
17.Net Plot area	26,310.06
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 53,204.78
	b) Non FSI area (sq. m.): 74,646.24
	c) Total BUA area (sq. m.): 127851.02
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)	12,383.29
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	40.48
21.Estimated cost of the project	1830400000

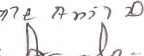
22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
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**Shri. Anil Kale (Chairman
SEAC-III)**

1	Building A: Wings A1,A2,A3,A4,A5,A6,A7,A8	LP + UP + Stilt +11	37.25
2	Building B: Wings B1,B2,B3,B4	LP + UP + Stilt +11	37.25

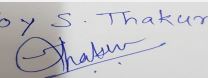
23.Number of tenants and shops	Proposed number of tenements are 1,100 . No shops proposed.
24.Number of expected residents / users	5,500 nos.
25.Tenant density per hectare	Tenement Density / hectare: 330
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	Nearest Fire Station is Pradhikaran Fire Station - at distance of 5.21 kms. Width of Road - 12 m
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	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

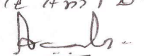
32.Total Water Requirement

Dry season:	Source of water	PCMC
	Fresh water (CMD):	497.25
	Recycled water - Flushing (CMD):	247.50
	Recycled water - Gardening (CMD):	67.70
	Swimming pool make up (Cum):	6
	Total Water Requirement (CMD) :	818.45
	Fire fighting - Underground water tank(CMD):	75
	Fire fighting - Overhead water tank(CMD):	25
	Excess treated water	280.60

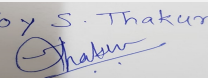
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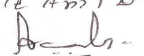
Name: K. Anil Kale

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

Wet season:	Source of water	PCMC							
	Fresh water (CMD):	497.25							
	Recycled water - Flushing (CMD):	247.50							
	Recycled water - Gardening (CMD):	0							
	Swimming pool make up (Cum):	6							
	Total Water Requirement (CMD) :	750.75							
	Fire fighting - Underground water tank(CMD):	75							
	Fire fighting - Overhead water tank(CMD):	25							
	Excess treated water	348.30							
Details of Swimming pool (If any)	<p>Dimensions of Main Pool: 7.5 m X 18 m X 1.5 m Dimensions of Kids pool: 10m X 5m X 0.9m Total Water Requirement: 207 CUM Water Requirement for Make Up: 6 CUM/DAY</p> <p>Details of Plant and Machinery used for treatment of water: High rate sand filters, filter media, Self-Priming pump, Control panel for pump, Vacuum fitting Chemicals required for maintaining the Swimming Pool. Disinfection by: Ozonation</p>								
33.Details of Total water consumed									
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable	not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

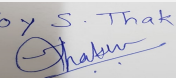
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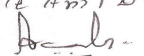
Name: K. Anil Kale

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

34.Rain Water Harvesting (RWH)	Level of the Ground water table:	4-5 m
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	10
	Size of recharge pits :	2 Mt. x 2 Mt. x 1.5 Mt
	Budgetary allocation (Capital cost) :	2,50,000
	Budgetary allocation (O & M cost) :	15,000
	Details of UGT tanks if any :	<ul style="list-style-type: none"> • Domestic UG tank Capacity: 400 m3 • Drinking Water UG Tank Capacity: 100 m3 • Flushing UG tank Capacity : 250 m3 • Fire UG tank Capacity : 75 m3
35.Storm water drainage	Natural water drainage pattern:	As per Contour
	Quantity of storm water:	3.93 M3/min
	Size of SWD:	450 mm
Sewage and Waste water	Sewage generation in KLD:	595.80
	STP technology:	MBR
	Capacity of STP (CMD):	600
	Location & area of the STP:	Attached
	Budgetary allocation (Capital cost):	35,00,000 (Thirty Five Lakhs)
	Budgetary allocation (O & M cost):	3,00,000 (Three Lakhs)
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	100 kg/day total solid waste from labour camp.
	Disposal of the construction waste debris:	Debris shall be used for back filling and leveling of the plot and remaining will be disposed to authorized sites.
Waste generation in the operation Phase:	Dry waste:	1,100 kg/day
	Wet waste:	1,650 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	59 kg/day
	Others if any:	NA

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Mode of Disposal of waste:	Dry waste:	Will be handed over to SWACH
	Wet waste:	Will be treated in Organic waste converter/ Vermicomposting. Manure generated will be used for landscaping
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be used for landscaping
	Others if any:	NA
Area requirement:	Location(s):	Attched
	Area for the storage of waste & other material:	20 SQM
	Area for machinery:	45 SQM
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	300000
	O & M cost:	120200

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

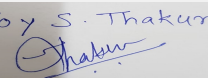
39. Stacks emission Details

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

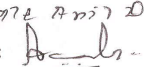
Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable

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

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

43.Green Belt Development	Total RG area :	Mandatory RG Area: 2,897.44 m ² , Additional Green Area on Ground: 3,005.43 m ² , Green on peripheral plantation:685.37 m ² ; Total RG Area: 6,588.24 m ² . Green Area on Slab: 3084.39 m ²
	No of trees to be cut :	0
	Number of trees to be planted :	416
	List of proposed native trees :	List of proposed trees attached as annexure 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	Bahunia purpurea	Gulabi Kanchan	41	Every part of the plant have Medicinal value, Drought tolerant species The tree has grey bark that peels in long fiber,
2	Dalbergia Latifolia	Sitsal	29	Compound leaves,flowering
3	Sapodila	Chikku	17	Fruit Baring plant
4	Saraca indica	Sita Ashok	50	Medicinal value, Religious plant
5	Ficus glomerata	Umbur	24	Medicinal value,Edible fruits,bird attractive
6	Plumeria Alba	Chafa	31	Most attractive, large & strongly perfumed white flowers.
7	Plumeria Rubra	Pink Chafa	24	Popular garden & park plant,fragrant flowers
8	Phyllanthus emblica	Awala	27	Medicinal value, To control soil erosion.
9	Syzygium cumini	Jamun	35	Medicinal value, Edible fruit
10	Neolamarckia cadamb	Kadamba	10	The flowers attract pollinators
11	Legistroemia speciosa	Banaba plant	14	A decoction of the bark is used against diarrhoea and abdominal pains. A leaf poultice is used to relief malarial fever and is applied on cracked feet
12	Mangifera indica	Mango	24	Edible fruit, Bird attracting species
13	Erythrina indica	Indian Koral tree/ Parijat	12	Flower Plant. Attracts insects and birds.
14	Tectona grandis	Teak	11	Tropical hardwood species, Wood use for furniture
15	Ziziphus mauritiana	Ber	17	Fast growing, Hardy plant, Edible fruit
16	Jack Fruit	Fanas	14	Popular food item, fruit edible
17	Michelia champaka	Sonchafa	36	Fragrant flowers, Timber used in wood working
18	Total	Trees	416	Nos.

45.Total quantity of plants on ground

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

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Serial Number	Name	C/C Distance	Area m2
1	All Shubs & Bushes	Approx. 300 mm.	Approx. 1,000

47. Energy

Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	200
	DG set as Power back-up during construction phase	2 nos. of DG sets of 250 KVA
	During Operation phase (Connected load):	4,442
	During Operation phase (Demand load):	2,220
	Transformer:	4 no. of Transformers of 630 KVA capacity
	DG set as Power back-up during operation phase:	2 nos. of DG sets of 500 KVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48. Energy saving by non-conventional method:

1. Timer Logic Controller : 210437 KWH / Anum
 2. Electronic V3F drive for Lifts : 52280 KWH / Anum
 3. Solar Water Heater : 1050403.2 KWH / Anum
 4. Use of CFL / LED lamps in all common areas.
- Total % of Savings: 15 %

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Timer Logic Controller	210437 KWH / Anum
2	Electronic V3F drive for Lifts	52280 KWH / Anum
3	Solar Water Heater	1050403.2 KWH / Anum

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:	3500000
	O & M cost:	300000

51. Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Erosion Control	Water for dust suppression measures & Soil Preservation	0.5
2	Site Safety	Barricading & nets	0.3
3	Site Sanitation	Mobile Toilets etc.	1.50
4	Disinfection & Health Check Up	For Labours	1
5	Environment Monitoring	Air, Water, Noise & DG Stack	0.7

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Enaergy Saving	Approx. 15%	5	0.50
2	STP	Capacity 600 KLD	35	3
3	OWC/ Vermicomposting	For Wet Waste Generation of 1,650 kg/day	3	1.20
4	Solar Hot Water System	For 55 KLD Capacity	30	2.5
5	Rain Water Harvesting	10 nos. of recharge pits	2.5	0.15
6	Landscaping	Total trees proposed are 416 nos.	4	0.40

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

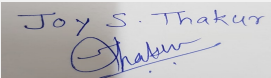
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

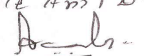
53.Traffic Management

Nos. of the junction to the main road & design of confluence:	Traffic generated from this project will confluent on existing 9 m and proposed 24 m wide road.
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Name: K. Anil Kale

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Parking details:	Number and area of basement:	2 nos. of basement. Area: 35,078.38 qm
	Number and area of podia:	NA
	Total Parking area:	Cover [35,078.38] + Open [----] = 35,078.38 Sq m
	Area per car:	35
	Area per car:	35
	Number of 2-Wheelers as approved by competent authority:	2,200 nos.
	Number of 4-Wheelers as approved by competent authority:	550 nos.
	Public Transport:	Nearest Bus Stop
	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	NA
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-
SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS		
Summorisred in brief information of Project as below.		
Brief information of the project by SEAC		

 Joy S.Thakur (Secretary SEAC-III)	SEAC Meeting No: 74 Meeting Date: October 25, 2018	Page 121 of 160	Name: K 072 Anil D. Signature:  Shri. Anil Kale (Chairman SEAC-III)
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Environment Clearance for Proposed Residential Construction at S. No. 125/1/B/1,125/1/B/2, 125/2/1 &125/2/2 Tathawade, Pune by **Mr.MilindLunkad/ Mr.AshwinLunkad.**

PP submitted their application for prior Environmental clearance for total plot area of 30584Sq. Mtrs, BUA of 127851.02Sq. Mtrs and FSI area of 53204.78Sq. Mtrs. PP proposes to construct 2 no. residential building (12 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.

Earlier MoM

PP to provide separate UGT at 2 locations i.e. in each subdivided plot as the plot is subdivided due to DP road.

PP to submit NOC,s for CFO, Water supply ,Drainage.

PP to submit revise master layout plan showing correct plot boundries and all environmental parameters.

PP to submit a section at 3-4 places of driveway showing the alignment of SW drain ,sewer line, space left for plantation of trees ,space between the building and internal road.

PP to submit specific NOC from respective authority for trailing of Nalha along with design details.

PP to submit plan showing alignment of S.W. drain with details of chambers ,it's invert level and cross section of final chambers within property and chambers on municipal end with connection details.

PP to submit details of socioeconomic infrastructure especially primary school within vicinity.

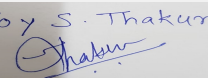
PP to submit site specific EMP.

PP to submit debris management plan.

PP to submit approved plan of basement.

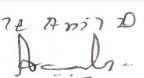
PP to submit correct master layout. Showing RG, Swimming pool ,Club house (within 10% limit)

PP to submit plan for revised RG on virgin ground restricting the development on the same.

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Joy S.Thakur (Secretary
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SEAC-III)

DECISION OF SEAC


PP remained **absent**, hence committee decided to **defer** the proposal.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

Kindly find SEIAA decision above.

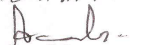
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Joy S. Thakur (Secretary
SEAC-III)

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Name: K. Anil Kale
Signature: 

Shri. Anil Kale (Chairman
SEAC-III)

Agenda of 74th Meeting of SEAC-3 (DAY-1)

SEAC Meeting number: 74 Meeting Date October 25, 2018

Subject: Environment Clearance for Revalidation in Environmental Clearance of proposed SRA Residential construction project at Lohgaon, Pune, State- Maharashtra

Is a Violation Case: No

1.Name of Project	Slum Rehabilitation Authority Residential Project
2.Type of institution	Government
3.Name of Project Proponent	Raviraj Creative Associates
4.Name of Consultant	Mahabal Enviro Engineers Pvt. Ltd , Plot F-7 Road No. 21, Wagle Estate, Thane(West)-400604, Maharashtra
5.Type of project	SRA scheme
6.New project/expansion in existing project/modernization/diversification in existing project	Revalidation in Environment Clearance
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	There is no diversification or expansion in the project , We have received Environment Clearance having File no. SEAC-2010/CR.213/TC.2 dated 14.07.2010
8.Location of the project	S.No.203, Hissa No. 2-A, Viman Nagar, Lohgaon, Pune, Maharashtra
9.Taluka	Haveli
10.Village	Lohgaon
11.Area of the project	Pune Municipal Corporation (PMC) Under jurisdiction Slum Rehabilitation Authority Pune & Pimpri Chinchwad Area
12.IOD/IOA/Concession/Plan Approval Number	IOD applicable IOD/IOA/Concession/Plan Approval Number: Commencement Certificate no. 897/09 dated 14.10.2009 Approved Built-up Area: 37698.44
13.Note on the initiated work (If applicable)	We have started work as per the Environment Clearance granted File no. SEAC-2010/CR.213/TC.2 dated 14.07.2010
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	We have received LOI from Slum Rehabilitation Authority for Pune and Pimpri Chinchwad area vide no. SRA/P/LOI-1/Ha.Va.L-11/4506/19/40
15.Total Plot Area (sq. m.)	17,000 m ²
16.Deductions	4,433.85 m ²
17.Net Plot area	12,566.15 m ²
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 37,586
	b) Non FSI area (sq. m.): 14,431
	c) Total BUA area (sq. m.): 52017
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.):
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	4,801.49
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	38%
21.Estimated cost of the project	550000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	17 no. of buildings	P+11	34.65 m

23.Number of tenants and shops Tenants-1,437 nos.

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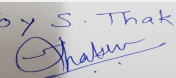
24.Number of expected residents / users	7,200 nos.
25.Tenant density per hectare	845/ha
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	18 m wide road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	7.5 m
29.Existing structure (s) if any	We have started work as per the Environment Clearance granted File no. SEAC-2010/CR.213/TC.2 dated 14.07.2010
30.Details of the demolition with disposal (If applicable)	Not Applicable

31.Production Details

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

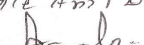
32.Total Water Requirement

Dry season:	Source of water	Pune Municipal Corporation
	Fresh water (CMD):	642
	Recycled water - Flushing (CMD):	428 m3/day
	Recycled water - Gardening (CMD):	10 m3/day
	Swimming pool make up (Cum):	Not Applicable
	Total Water Requirement (CMD):	1,070 m3/day
	Fire fighting - Underground water tank(CMD):	250 m3
	Fire fighting - Overhead water tank(CMD):	Not Applicable
	Excess treated water	504 m3/day

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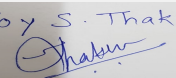
Wet season:	Source of water	Pune Municipal Corporation
	Fresh water (CMD):	642
	Recycled water - Flushing (CMD):	428 m3/day
	Recycled water - Gardening (CMD):	00 m3/day
	Swimming pool make up (Cum):	Not Applicable
	Total Water Requirement (CMD) :	1,070 m3/day
	Fire fighting - Underground water tank(CMD):	250 m3
	Fire fighting - Overhead water tank(CMD):	Not Applicable
	Excess treated water	504 m3/day
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

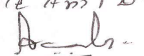
34.Rain Water Harvesting (RWH)	Level of the Ground water table:	10-15 m
	Size and no of RWH tank(s) and Quantity:	Not Applicable
	Location of the RWH tank(s):	Not Applicable
	Quantity of recharge pits:	15 nos.
	Size of recharge pits :	1.2 m X 2.0 m X 1.2 m
	Budgetary allocation (Capital cost) :	Rs.3.0 Lakh
	Budgetary allocation (O & M cost) :	Rs. 0.3 Lakhs/year
	Details of UGT tanks if any :	Total Capacity-12,63,000 liters

35.Storm water drainage	Natural water drainage pattern:	along with nalla
	Quantity of storm water:	3,844.3 m3
	Size of SWD:	250 mm to 350 mm

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Name: K. Anil D.

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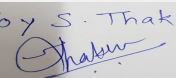
Sewage and Waste water	Sewage generation in KLD:	942
	STP technology:	Extended Aeration System
	Capacity of STP (CMD):	2nos of STP having capacity 1,010 m3/day
	Location & area of the STP:	On Ground
	Budgetary allocation (Capital cost):	Rs. 90 Lakh
	Budgetary allocation (O & M cost):	Rs. 12 Lakh/Year

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	Waste generation:	Debris & Excavated material
	Disposal of the construction waste debris:	Filling of low lying area and surplus will be disposed at authorized sites, top soil will be stored & used for green belt.
Waste generation in the operation Phase:	Dry waste:	1,080 kg/day
	Wet waste:	1,800 kg/day
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	0.8 kg/day
	Others if any:	Not Applicable
Mode of Disposal of waste:	Dry waste:	Handed over to PMC
	Wet waste:	Organic Waste Converter
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Used as manure
	Others if any:	Not Applicable
Area requirement:	Location(s):	On Ground
	Area for the storage of waste & other material:	Provided
	Area for machinery:	Provided
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 10 Lakh
	O & M cost:	Provided

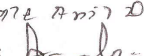
37.Effluent Charecterestics

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

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

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

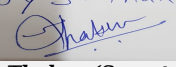
41.Source of Fuel Not applicable

42.Mode of Transportation of fuel to site Not applicable

43.Green Belt Development	Total RG area :	1,500 m ²
	No of trees to be cut :	Not Applicable
	Number of trees to be planted :	100 nos.
	List of proposed native trees :	Provided
	Timeline for completion of plantation :	One year after completion of project


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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Acasia Auriculiformis	-	5	Provide lot of greenery to barren lands
2	Azadirachta Indica	Neem	6	Good drought resistant & air purifier & medicinal properties.
3	Albiza Lebbeck	Shirish	2	Large capacity of nitrogen fixing, drought resistant, good soil binder & medicinal properties.
4	Alstonia Scholaris	Saptaparni	6	Attract birds, butterfly and bees for flowering.
5	Bauhinea Purpurea	Kanchan	4	Good drought resistant & air purifier & medicinal properties.

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6	Erthyrina Indica	Pangara	6	Large capacity of nitrogen fixing & capacity to retain water in soil.
7	Peltophorum Ferrugineum	Copper Pod Tree	7	Provide dense shade during summer..
8	Cassia Fistula	Bahava/Golden Shower Tree	6	Attract birds, butterfly and bees for flowering.
9	Lagestromia Speciosa	Flos Reginae	4	Provide lot of greenery to barren lands
10	Butea Monospema	Palas/Flame of Forest	3	Attract birds, butterfly and bees for flowering & , medicinal plant.
11	Pongamia Pinnata/Glabra	Karanj	4	Nitrogen fixing & medicinal properties, Good for ecological restoration & host of butterflies.
12	Millingtonia Hortensis	Indian Crok tree	9	Nitrogen fixing capacity & retain water in soil
13	Terminilia Cuniata	Arjun	7	Medicinal Plant
14	Samania saman	Rain Tree	4	Dense shady during summer
15	Brassia Actinophylla	Umbrella Plant	2	Ornamental Tree
16	Plumeria Alba	Chafa	1	Ornamental Tree
17	Bambusa Vulgaris	Golden Bamboo verigated	4	Ornamental Tree

45.Total quantity of plants on ground

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

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

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	25 Kva -1 No.
	During Operation phase (Connected load):	2,200 KW
	During Operation phase (Demand load):	4,476 kW
	Transformer:	630 KVA- 4 Nos.
	DG set as Power back-up during operation phase:	2 x 100 kVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	Not Applicable

48. Energy saving by non-conventional method:

 Joy S. Thakur (Secretary SEAC-III)	SEAC Meeting No: 74 Meeting Date: October 25, 2018	Page 129 of 160	Name: K. Anil Kale  Shri. Anil Kale (Chairman SEAC-III)
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CFL and t lamps will be used for common area lighting as these are most efficient light sources available at present.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	1. Use of CFL in basement & common areas.	-
2	2. Larger opening sizes and glazing on the north facade of the building to use maximum daylight and to reduce the use of artificial light.	-
3	3. Programmable on/off timers are proposed for parking , garden areas and staircase	-
4	4. Transformers located close to load center to minimize transmission losses.	-

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. 30 Lakh
	O & M cost:	Rs. 8 Lakh/Year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

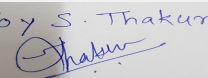
Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	-	-	-

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	2 nos. of STP	90.00	12.00
2	Rain Water Harvesting	15 nos. of recharge pits	3.00	0.30
3	storm Water Networking	-	8.00	0.10
4	Solid waste Management	-	10.00	0.00
5	Green Belt Development	Plantation of trees	1.00	0.12

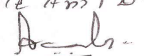
51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)

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

Joy S. Thakur

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Name: K. Anil Kale

 Shri. Anil Kale (Chairman SEAC-III)

52.Any Other Information

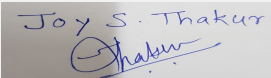
No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1 no.
Parking details:	Number and area of basement:	Not Applicable
	Number and area of podia:	Not Applicable
	Total Parking area:	8,640 m2
	Area per car:	Not Applicable
	Area per car:	Not Applicable
	Number of 2-Wheelers as approved by competent authority:	1,437 nos.
	Number of 4-Wheelers as approved by competent authority:	Not Applicable
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	7.5 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	We have received Environmental Clearance vide no. SEAC-201/CR.213/TC.2 dated 14th July,2010. We have applied for EC revalidation on MoEF portal having proposal no.SIA/MH/NCP/10210/2010 dated 18th February, 2016. Now, we are applying for revalidation in Environmental Clearance.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	18-02-2016

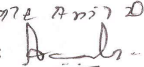
SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorisred in brief information of Project as below.


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

Brief information of the project by SEAC

Revalidation in Environmental Clearance of proposed SRA Residential construction project at S.No.203, Hissa No. 2-A, Viman Nagar, Lohgaon, Pune, State- Maharashtra by **M/s.Raviraj Creative Associates.**

PP submitted their application for revalidation of Environmental clearance for total plot area of 17000 Sq. Mtrs, BUA of 52017 Sq. Mtrs and FSI area of 37586 Sq. Mtrs. PP proposes to construct 17 no. residential building.

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

DECISION OF SEAC

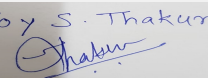
SEAC decided to **recommend** the proposal for prior environmental Clearance, subject to PP complying with the above conditions.

Specific Conditions by SEAC:

- 1) PP shall maintain parameters of STP on driveway as per previous EC however PP shall ensure adequate ventilation.
- 2) PP to submit details of CER activities in consultation with the affected people in the project area as per MoEF&CC circular dated 01.05.2018 with details of fund utilization & agreement with executor.

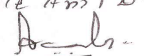
FINAL RECOMMENDATION

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

Joy S. Thakur

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

Agenda of 74th Meeting of SEAC-3 (DAY-1)

SEAC Meeting number: 74 Meeting Date October 25, 2018

Subject: Environment Clearance for Residential cum 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	EIA Coordinator: Sourabh Jaiswar; M/s Pollution and Ecology Control Services
5.Type of project	Residential cum Commercial 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 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/AntimManjuri/10 dated 26th June 2018
	Approved Built-up Area: 86219.25
13.Note on the initiated work (If applicable)	As per environmental clearance dated 26/11/2012.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	73417.86 sq mt
16.Deductions	14686.78
17.Net Plot area	58731.18
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 86219.25
	b) Non FSI area (sq. m.): 58518.93
	c) Total BUA area (sq. m.): 144738.18
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 86219.25
	Approved Non FSI area (sq. m.): 58518.93
	Date of Approval: 26-06-2018
19.Total ground coverage (m2)	29641.73
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	49.8
21.Estimated cost of the project	3738200000

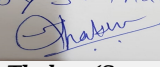
22.Number of buildings & its configuration

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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	
2	05 Residential Building	B+St+14	48 M	
3	01 Club House	G+1	9 M	
23.Number of tenants and shops	Multiplex , Food courts and 150 Shops 434 Flats			
24.Number of expected residents / users	Permanent Staff 1500; Floating population 11678, Resi: 2170			
25.Tenant density per hectare	90			
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				


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Dry season:	Source of water	NMC/ Ground Water							
	Fresh water (CMD):	366							
	Recycled water - Flushing (CMD):	218							
	Recycled water - Gardening (CMD):	78							
	Swimming pool make up (Cum):	7							
	Total Water Requirement (CMD) :	669							
	Fire fighting - Underground water tank(CMD):	500							
	Fire fighting - Overhead water tank(CMD):	70							
	Excess treated water	178							
Wet season:	Source of water	NMC/ Ground Water							
	Fresh water (CMD):	366							
	Recycled water - Flushing (CMD):	218							
	Recycled water - Gardening (CMD):	00							
	Swimming pool make up (Cum):	7							
	Total Water Requirement (CMD) :	591							
	Fire fighting - Underground water tank(CMD):	500							
	Fire fighting - Overhead water tank(CMD):	70							
	Excess treated water	256							
Details of Swimming pool (If any)	01								
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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 Joy S.Thakur (Secretary
 SEAC-III)

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Name: K. Anil Kale

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

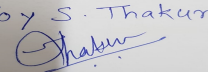
34. Rain Water Harvesting (RWH)	Level of the Ground water table:	about 18 m to 20 m
	Size and no of RWH tank(s) and Quantity:	One tank of 100 cum for commercial building
	Location of the RWH tank(s):	Below ground
	Quantity of recharge pits:	09
	Size of recharge pits :	1.5 Mtrs. Dia x 3 Mtrs. Effective Depth
	Budgetary allocation (Capital cost) :	20
	Budgetary allocation (O & M cost) :	02
	Details of UGT tanks if any :	Domestic (U/g) = for Commercial 220 Cu.M/D, for Residential 200 Cu M/D Flushing (U/g) = for Commercial 120 Cu.M/D, for Residential 100 Cu M/D

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:	255 for residential and 261 for Commercial
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	01 x 275 KLD for Residential and 01 x 275 KLD for commercial
	Location & area of the STP:	Below Ground , 425 sq.m
	Budgetary allocation (Capital cost):	110.0 Lacs
	Budgetary allocation (O & M cost):	18.25 Lacs

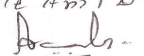
36. Solid waste Management

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:	435 kg/day for Residential + 1575 kg/day for commercial
	Wet waste:	650 kg/day for Residential + 1050 kg/day for commercial
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	40-45 kg
	Others if any:	NA

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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:	65 sq.m
	Area for machinery:	20 sq.m
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	26 Lacs
	O & M cost:	8.50 Lacs

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

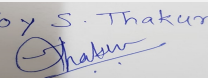
39. Stacks emission Details

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

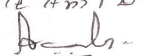
Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable

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 :	11015.66 sq mt
	No of trees to be cut :	NA
	Number of trees to be planted :	925
	List of proposed native trees :	Given in below list
	Timeline for completion of plantation :	Dec 19

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

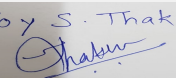
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Saraca indica	Sita ashok	200	Evergreen medicinal plant
2	Mangifera indica	Mango tree	50	Fruiting & bird attracting tree
3	Butea monosperma	Flame tree	100	Used in pesticide & dye preparation
4	Cassia fistula	Golden shower	150	Drought tolerant, ornamental & medicinal plant
5	Ficus benamina	Weeping fig	75	Evergreen & bird attracting tree
6	Mimusopes elengi	Bakul	75	Evergreen tree, medicinal plant
7	Azadirachta indica	Neem	50	Evergreen Tree & Medicinal Plant
8	Roystonea regia	Royal palm	100	Nitrogen fixer, ornamental plant
9	Neolamarkia cadamba	Kadamba tree	75	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:

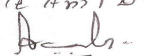
Serial Number	Name	C/C Distance	Area m2
1	NA	NA	NA

47.Energy

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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):	16.73 MW
	During Operation phase (Demand load):	7.936 MW
	Transformer:	7 x 630 KVA for Residential and 3 x 2000 KVA for commercial
	DG set as Power back-up during operation phase:	1x 625 KVA, 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 %
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%

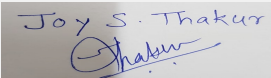
50. Details of pollution control Systems

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:	135 lacs
	O & M cost:	08 lacs

51. Environmental Management plan Budgetary Allocation

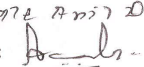
a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Drinking water	as per drinking water standard	5
2	Sanitation	PH, BOD, COD, SS etc.	8


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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	110	18.25
2	Rain Water Harvesting	Oil & Greas, PH etc	20	02
3	Solid Waste Management	Segregation of Waste, Composting	26	8.5
4	Energy Saving measures	Non conventional appliances, Solar light	135	8
5	Green Belt	Plantation	69	5.5

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

Nos. of the junction to the main road & design of confluence:	02
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Parking details:	Number and area of basement:	One basement for Residential 7523.38 sq mt + Lower ground floor for Retail 22783.08 sq mt
	Number and area of podia:	NA
	Total Parking area:	37,500 sq mt
	Area per car:	24.50 sq.m for open, stilt & for basement about 34.50 sq.m
	Area per car:	24.50 sq.m for open, stilt & for basement about 34.50 sq.m
	Number of 2-Wheelers as approved by competent authority:	3165
	Number of 4-Wheelers as approved by competent authority:	1412
	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.	Yes
	Date of online submission	30-12-2016
SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS		
Summorisred in brief information of Project as below.		
Brief information of the project by SEAC		

 Joy S.Thakur (Secretary SEAC-III)	SEAC Meeting No: 74 Meeting Date: October 25, 2018	Page 141 of 160	Name: K. Anil Kale  Shri. Anil Kale (Chairman SEAC-III)
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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.

Earlier MoM

PP to submit affidavit for Total BAU is 1, 26,000 .Sq mtr and they will not construct more than that including phase 1 & phase 2.

PP to submit revised fire tender movement plan and cross section at four places which will include drain,footpath-6 Mtr to be provided for fire tender movement.

PP to submit parking layout plan for ground floor and Terrace floor to be provided separately with drive way not less than 6 Mtr.

PP to submit ramp minimum 7 Mtr wide and slope not less than 1:10 to be provided and cross section to ramp to be provided, parking statement as per DCR and locations were provided to be given.

PP to submit Traffic Management plan for development plan for the development - Internal circulation with road width should be revised with showing clear road width showing clear road of 6 meter s and turning radius of 9 mtrs ,PP to submit cross section of roads at four to five places showing clear road width 6 meter, 1.5 meter distance left from building line, spaces left for plantation ,footpath , service lines etc.

PP to submit revise DMP cost and showing lighting arrestor.

PP to submit revised Tree list and plantation plan.

PP to submit CFO NOC.

PP to submit Airport Authority NOC.

PP to submit Drainage NOC.

PP to submit Water NOC.

PP to submit E-waste NOC.

PP to submit Carbon foot print.

PP to submit Geohydrological report.

PP to submit details of socio economic infrastructure within vicinity of plot especially primary/secondary schools, Markets etc.

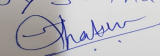
PP to submit site specific EMP for the entire project, considering plot area as per earlier EC.

PP to submit plan showing PP to submit plan showing the alignment of storm water drain arrangement up to final disposal point by proposing adequate SW drain in layout with details of final chamber within the property and final chamber on Municipal sewer line.

PP to submit plan showing PP to submit plan showing the alignment of storm water drain arrangement up to final disposal point by proposing adequate SW drain in layout with details of final chamber within the property and final chamber on Municipal sewer line.

PP to submit Debris management plan.

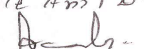
PP to submit undertaking for CER activities.

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**Joy S.Thakur (Secretary
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Name: K 072 Anil D.
Signature: 

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

DECISION OF SEAC

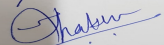
PP remained **absent**, hence committee decided to **defer** the proposal.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

Kindly find SEIAA decision above.

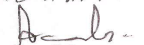
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Joy S. Thakur (Secretary
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Name: K 072 Anil K
Signature: 

Shri. Anil Kale (Chairman
SEAC-III)

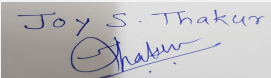
Agenda of 74th Meeting of SEAC-3 (DAY-1)

SEAC Meeting number: 74 Meeting Date October 25, 2018

Subject: Environment Clearance for Integrated Special Township at Gat nos. 1 to 21, 23 to 41, 43 to 57, 58/A to D, 59 to 75, 76/2, 77 to 124, 126 to 129, 202, 400, 405, 407, 419, 443, 448, 460, 471, 483, 509, 511, 520, 523, 540/1 to 3, 541, 543, 551 to 553, 1059 to 1068, 1070 to 1077, 1081 to 1093, 1099 to 1111, 1125 to 1131, 1132/1 to 1132/3, 1136 to 1149, 1150 (part), 1151, 1152/ 1 & 2, 1153 to 1156, 1158, 1159, 1160/ 1 to 5, 1163 to 1167, village Kadamvakvasti, Tal. Haveli, Dist. Pune, State - Maharashtra

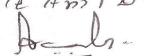
Is a Violation Case: No

1.Name of Project	Riverview City
2.Type of institution	Private
3.Name of Project Proponent	Mr. Satish Dattatraya Magar
4.Name of Consultant	NABET Accrediated Environmental Consultant : Ecofootforward Environmental Consultancy & Engineers Pvt. Ltd., D/318, Neelkanth Business Park, Ramdev Nagar, Vidyavihar (W), Mumbai-400086 www.ecofootforward.com Tel: 022-25144129, NABET Certificate no: NABET/EIA/1720/IA0028
5.Type of project	Integrated Special Township
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 nos. 1 to 21, 23 to 41, 43 to 57, 58/A to D, 59 to 75, 76/2, 77 to 124, 126 to 129, 202, 400, 405, 407, 419, 443, 448, 460, 471, 483, 509, 511, 520, 523, 540/1 to 3, 541, 543, 551 to 553, 1059 to 1068, 1070 to 1077, 1081 to 1093, 1099 to 1111, 1125 to 1131, 1132/1 to 1132/3, 1136 to 1149, 1150 (part), 1151, 1152/ 1 & 2, 1153 to 1156, 1158, 1159, 1160/ 1 to 5, 1163 to 1167, village Kadamvakvasti, Tal. Haveli, Dist. Pune, State - Maharashtra
9.Taluka	Haveli
10.Village	Kadamwakvasti
Correspondence Name:	Riverview City Constructions Limited
Room Number:	13
Floor:	NA
Building Name:	"Megaspac"
Road/Street Name:	Sholapur Bazaar Road, Off East Street
Locality:	Camp
City:	Pune
11.Area of the project	Grampanchayat Kadamwakvasti, Pune, Sanctioning Authority: PMRDA
12.IOD/IOA/Concession/Plan Approval Number	(i) Notification for Development of Townships, No. TPS 1804/Pune R. P. DCR/UD-13 dated 16.11.2005 (ii) Notification for Locational Clearance, No. TPS- 1813/392/12/CR-572/13/UD-13 dated 20.10.2015 (iii) Corrigendum in Notification for Locational Clearance, No. TPS-1813/392/12/CR-572/13/UD-13 dated 01.06.2016 (iv) Notification for Locational Clearance, No. TPS-1816/03/CR.29/17/UD-13 dated 30.12.2016
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 5793958
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.)	21,03,951.00 m ²
16.Deductions	1,57,000 m ²
17.Net Plot area	19,46,951 m ²
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 38,98,837
	b) Non FSI area (sq. m.): 1895121
	c) Total BUA area (sq. m.): 5793958


Joy S.Thakur (Secretary SEAC-III)

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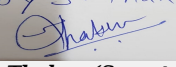
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Signature: 
Shri. Anil Kale (Chairman SEAC-III)

18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): As per ITP EC to be achieved before sanctioning master plan.
	Approved Non FSI area (sq. m.): NA
	Date of Approval: 01-01-1900
19.Total ground coverage (m2)	10,26,840
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	49.81 %
21.Estimated cost of the project	59410600000


22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	RVR1 - Type 3, Number of Building - 5	P+22	67.80
2	RVR1 - Type 4, Number of Building - 2	P+P+STILT+22	74.40
3	RVR1 - Type 5, Number of Building - 2	P+P+STILT+30	97.60
4	RVR2 - Type 3, Number of Building - 2	P+22	67.80
5	RVR2 - Type 4, Number of Building - 2	P+30	91.00
6	RVR3 - Type 5, Number of Building - 2	P+P+STILT+30	97.60
7	RVR3 - Type 4, Number of Building - 2	P+P+STILT+22	74.40
8	RVR3 - Type 3, Number of Building - 3	P+P+STILT+22	74.40
9	RVR4 - Type 3, Number of Building - 3	P+P+STILT+31	99.80
10	RVR5 - Type 1, Number of Building - 5	P+14	44.05
11	RVR6 - Type 1, Number of Building - 3	P+9	26.45
12	RVR7 - Type 1, Number of Building - 5	P+14	44.05
13	RVR8 - Type 3, Number of Building - 10	P+P+STILT+31	99.80
14	RVR8 - Type 4, Number of Building - 2	P+P+STILT+31	99.80
15	RVR8 - Type 5, Number of Building - 2	P+P+STILT+31	99.80
16	RVR9 - Type 1, Number of Building - 4	P+11	32.30
17	RVR10, Bungalows	70 Bungalows	12.00
18	RVR11, Bungalows	65 Bungalows	12.00
19	RVR12 - Type 2, Number of Building - 4	P+31	93.90
20	RVR13 - Type 3, Number of Building - 4	P+P+STILT+31	99.80
21	RVR13 - Type 3, Number of Building - 1	P+P+STILT+31	99.80

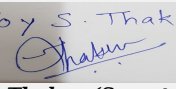
Joy S. Thakur

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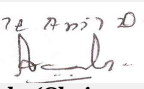
Name: K. Anil Kale
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Shri. Anil Kale (Chairman SEAC-III)

22	RVR13 - Type 4, Number of Building - 5	P+P+STILT+31	99.80
23	RVR14 - Type 3, Number of Building - 9	P+P+STILT+31	99.80
24	RVR15 - Type 5, Number of Building - 2	P+31	93.90
25	RVR16 - Type 3, Number of Building - 3	P+P+STILT+31	99.80
26	RVR17 - Type 3, Number of Building - 9	P+P+STILT+31	99.80
27	RVR17 - Type 5, Number of Building - 4	P+P+STILT+31	99.80
28	RVR17 - Type 4, Number of Building - 3	P+P+STILT+31	99.80
29	RVR18 - Type 4, Number of Building - 8	P+31	93.90
30	RVR19 - Type 5, Number of Building - 7	P+31	93.90
31	RVR20 - Type 3, Number of Building - 5	P+P+STILT+31	99.80
32	RVR20 - Type 4, Number of Building - 3	P+P+STILT+31	99.80
33	RVR20 - Type 5, Number of Building - 2	P+P+STILT+31	99.80
34	RVR21 - Type 3, Number of Building - 3	P+P+STILT+31	99.80
35	RVR21 - Type 3, Number of Building - 1	P+P+STILT+31	99.80
36	RVR21 - Type 4, Number of Building - 4	P+P+STILT+31	99.80
37	RVR22 - Type 5, Number of Building - 4	P+P+STILT+31	99.80
38	RVR22 - Type 4, Number of Building - 3	P+P+STILT+31	99.80
39	RVR23 - Type 4, Number of Building - 5	P+P+STILT+31	99.80
40	RVR23 - Type 5, Number of Building - 3	P+P+STILT+31	99.80
41	RVR24 - Type 3, Number of Building - 6	P+P+STILT+31	99.80
42	RVR24 - Type 4, Number of Building - 2	P+P+STILT+31	99.80
43	RVR25 - Type 1, Number of Building - 6	P+14	44.05
44	RVA2 - Primary School, Number of Building - 1	G+3	14.85
45	RVA3 - Assembly Hall, Number of Building - 1	G	5
46	RVA4 - Primary & Secondary School, Number of Building - 1	G+3	14.85
47	RVA5 - Primary & Secondary School, Number of Building - 1	G+3	14.85

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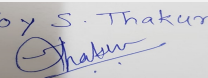
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Name: *Kale Anil D.*
Signature: 
Shri. Anil Kale (Chairman SEAC-III)

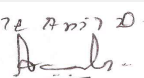
48	RVC1 - Shopping Center, Number of Building - 1	G+2	12.90
49	RVC2 - IT Park, Number of Building - 3	P+P+9	40.80
50	RVC3 - Shopping Center, Number of Building - 1	P+5	22.20
51	RVC4 - Shopping Center, Number of Building - 1	P+5	22.20
52	RVC5 - Shopping Center, Number of Building - 1	P+7	29.40
53	RVC6 - Shopping Center, Number of Building - 2	P+7	29.40
54	RVC7 - Office Complex, Number of Building - 2	P+P+9	40.80
55	RVC8 - Office Complex, Number of Building - 3	P+P+9	40.80
56	RVC9 - Commercial Complex, Number of Building - 2	P+8	33
57	RVC9 - Commercial Complex, Number of Building - 1	P+P+8	37.20
58	RVC9 - Commercial Complex, Number of Building - 1	P+P+8	37.20
59	RVC9 - Commercial Complex, Number of Building - 1	P+P+12	51.60
60	RVA1 - Hospital, Number of Building - 1	LG +UG +5	22.00

23.Number of tenants and shops	160 buildings & 135 bungalows with 36347 tenements, One 100 beds hospitals, 3 Schools, 19 Commercial Buildings and Other Public Utilities such as Public Parking 3 Nos., Biogas plant, EHV sub station, Police station, Solid waste management plant, Bus station, HV sub station 4 Nos., STP 4 Nos, Fire brigade station, WTP, Burial ground & Cemetry, Cremation ground
24.Number of expected residents / users	Expected Residential users: 181735, Expected Non-residential users: 72,685, Expected Total Population: 254435
25.Tenant density per hectare	1212 per hectore
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. As this is Integrated Township Project, Fire Station shall be provided within premises.
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	Small huts and homes of villagers and some temporary structures
30.Details of the demolition with disposal (If applicable)	Small huts and homes of villagers and some temporary structures shall be demolished

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Name: K ०१२ Anil D.
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31. Production Details

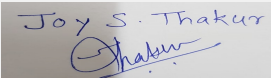
Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32. Total Water Requirement

Dry season:	Source of water	Irrigation Department - Khadakwasla R B Canal							
	Fresh water (CMD):	17713 m3/day							
	Recycled water - Flushing (CMD):	9901 m3/day							
	Recycled water - Gardening (CMD):	2728 m3/day							
	Swimming pool make up (Cum):	NA							
	Total Water Requirement (CMD) :	41160 m3/day							
	Fire fighting - Underground water tank(CMD):	8350 m3							
	Fire fighting - Overhead water tank(CMD):	NA							
	Excess treated water	152 m3/day							
Wet season:	Source of water	Irrigation Department - Khadakwasla R B Canal							
	Fresh water (CMD):	17713 m3/day							
	Recycled water - Flushing (CMD):	9901 m3/day							
	Recycled water - Gardening (CMD):	Nil							
	Swimming pool make up (Cum):	NA							
	Total Water Requirement (CMD) :	38004 m3/day							
	Fire fighting - Underground water tank(CMD):	8350 m3							
	Fire fighting - Overhead water tank(CMD):	NA							
	Excess treated water	3317 m3/day							
Details of Swimming pool (If any)	NA								

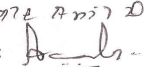
33. Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable	27614	27614	Not applicable	2761	2761	Not applicable	24853	24853


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34. Rain Water Harvesting (RWH)	Level of the Ground water table:	About 15 meter
	Size and no of RWH tank(s) and Quantity:	Some of the Existing Dug wells will be used as Rain Water Storage.
	Location of the RWH tank(s):	Seasonal Stream will be used for Rain water storage with Bund walls.
	Quantity of recharge pits:	100
	Size of recharge pits :	2 m X 2 m X 2 m
	Budgetary allocation (Capital cost) :	105 lacs
	Budgetary allocation (O & M cost) :	10 lacs
	Details of UGT tanks if any :	Domestic Water tank (1.5 DAY CAP): 26500 m ³ , Flushing Water tank M3 (1 DAY CAP): 9816 m ³ , Fire Fighting Water Tank: 8350 m ³

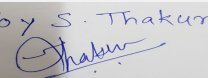
35. Storm water drainage	Natural water drainage pattern:	by open drain channels/ pipelines
	Quantity of storm water:	Peak runoff-1823 cum/min
	Size of SWD:	300-600 mm wide

Sewage and Waste water	Sewage generation in KLD:	24835
	STP technology:	MBR
	Capacity of STP (CMD):	Number of STP - 4, Capacity of STP - 26110 m ³ /day
	Location & area of the STP:	Sewage Treatment plants are located at 4 different locations considering the existing contour levels. Total Area of STP's - 21686 sq. m
	Budgetary allocation (Capital cost):	8130 Lacs
	Budgetary allocation (O & M cost):	1440 Lacs

36. Solid waste Management

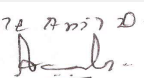
Waste generation in the Pre Construction and Construction phase:	Waste generation:	525 kg/day
	Disposal of the construction waste debris:	Non structural applications such as Kerb Stones, drain covers, paving blocks in pedestrian area

Waste generation in the operation Phase:	Dry waste:	37169 kg/day
	Wet waste:	62662 kg/day
	Hazardous waste:	As per Generation (Handed over to authorized collection and reprocessing agency)
	Biomedical waste (If applicable):	29 kg/day
	STP Sludge (Dry sludge):	2459 kg/day
	Others if any:	E-Waste: As per generation (Handed over to authorized agency)

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Mode of Disposal of waste:	Dry waste:	Handed over to Authorized Recycling Agency
	Wet waste:	Biogas plant & Vermicompost
	Hazardous waste:	Handed over to authorized agency
	Biomedical waste (If applicable):	Handed over to authorized agency
	STP Sludge (Dry sludge):	Used as soil richner after drying for landscaping
	Others if any:	E-Waste will be handed over to authorized agency
Area requirement:	Location(s):	Ground
	Area for the storage of waste & other material:	178.37 m ²
	Area for machinery:	Total area for SWM - 6020 m ² , Area for machinery - 4533.67 m ²
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	250 lacs
	O & M cost:	10.2 lacs

37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	-	5.5 - 9.0	7 - 8	7-8
2	COD	mg/l	700-800	<250	<50
3	BOD	mg/l	250-300	<100	<20
4	TSS	mg/l	100-200	<100	<50
5	Oil & Grease	mg/l	50-70	20	<10
Amount of effluent generation (CMD):		34.20 m ³ /day			
Capacity of the ETP:		As per requirement			
Amount of treated effluent recycled :		30 m ³ /day			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		The incoming Sewage will be passed through bar screen chamber for screening. Screening is necessary to remove the coarse/fine particles from the Sewage. So that these particles do not clog the pump. The Screened Sewage is then transferred to the equalization tank where any hydraulic as well as organic variations will be dampened. Aeration will be provided to Equalized sewage for agitation & enhance oxygen content. Partially aerated sewage will be further transfer to settling tank. Excess Suspe			
Disposal of the ETP sludge		Sent to authorized bio-medical waste handling agency			

38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	DG oil	Schedule IV, Item No. 20	litres	Not applicable	450 L/d	450 L/d	Used Oil will be handed over to authorized collection agency for disposal
2	Used Lead Acid Batteries	Schedule IV, Item No. 17	Number	Not applicable	As per generation	As per generation	Sold to authorized agency

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	DG - 126 Number	Diesel - 450 L/d	126	6	0.15	35 degree

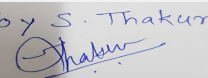
40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total	
1	Diesel	Not applicable	450 Liters	450 Liters	
41.Source of Fuel		local supplier			
42.Mode of Transportation of fuel to site		local supplier			

43.Green Belt Development	Total RG area :	RG area on Ground-420790 m2, RG area on Podium-9985 m2, Total RG area- 430775.2 m2
	No of trees to be cut :	260
	Number of trees to be planted :	32525
	List of proposed native trees :	31955
	Timeline for completion of plantation :	NA

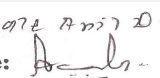
44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Acacia nilotica	Babul	104	It is larval host for butterfly common grass yellow.
2	Acacia suma	Kadar	104	The tree is primarily grown for its durable wood, gum edible, and medicinal properties.
3	Alstonia scholaris	Saptaparni	104	Attracts bees during flowering. Being tall serves as nesting.
4	Amoora rohituka	Pithraj	104	Evergreen Tree, used as traditional medicine for cancer, tumor, liver and spleen disease.
5	Annona reticulata	Custard apple- Sitaphal	104	Annona reticulata is a small deciduous or semi-evergreen tree, best known for its fruit known as custard apple.
6	Anoegissus acuminata	Dhawada	104	Attracts insects while flowering. Planted for restoration.
7	Achras Sapota	Chickoo	104	It is tropical evergreen tree.
8	Bauhunia purpurea	Rakta Kanchan	104	It is a small to medium-sized deciduous fast-growing shrub or tree known as Butterfly tree.
9	Bombax ceiba	Silk cotton tree	104	Food plant for humans, birds.
10	Butea monosperma	Palas	104	Used in afforestation of saline and waterlogged regions.
11	Careya arborea	Kumbha	104	Larval host to butterfly grey count Fruits favoured by wild animals

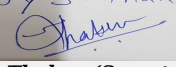
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12	Cassia fistula	Bahawa	104	Larval host for butterflies like common emigrant, etc
13	Cocos nucifera	Nariyal	104	It is a large palm, growing to 30 m tall, with pinnate leaves 4-6 m long.
14	Cordia dichotoma	Bhokar	104	Attracts fruit eating birds. Hardy, sturdy species. Drought tolerant.
15	Crateva adansonii	Varun	104	It is larval host for butterflies psyche, striped albatross.
16	Dalbergia lanceolaria	Phashi	154	Attracts insects while flowering. Nitrogen fixing tree, suitable for restoration.
17	Dalbergia latifolia	Shisam	104	Larval host for butterflies chestnut streaked sailer, etc.
18	Diospyros peregrina	Tembhurni	104	Fruits are readily eaten by birds.
19	Erythrina stricta	Pangara	104	Attracts lot of birds during flowering.
20	Ficus benghalensis	Banyan	50	Larval host for butterflies like common Indian crow, Fruiting trees attract fruit eating birds
21	Ficus elastica	Rubber fig	50	It is popular ornamental tree grown in the world, known as rubber tree
22	Garcinia indica	Kokum	104	Evergreen tree good for creating perennial greenery.
23	Gmelina arborea	Gambhari	104	Good for plantation for restoration.
24	Haldina cordifolia	Hedu	104	It is a deciduous tree with a large crown; generally growing from 18 - 30 metres tall, specimens up to 45 metres have been recorded.
25	Holarrhena pubescens	Kuda	104	It is larval lost for butterfly common Indian crow.
26	Lagerstroemia microcarpa	Nana	104	Larval host for butterflies large oakblue. Attracts bees and butterflies.
27	Macaranga peltata	Chandada	104	Small dioecious tree; Flowers greenish yellow, male in dense panicles, concealed in large bracts, female in smaller panicles, seeds black.
28	Mangifera indica	Mango	104	Fruits are eaten by wild animals. Larval host for butterfly common baron.
29	Manilkara hexandra	Khirmi	104	Evergreen tree, grows up to 20 m height.
30	Mesua ferrea	Nagchapha	104	Important species in cores or interior of forest
31	Mimusops elengi	Bakul	104	Fruits are eaten by animals.
32	Psidium guajava	Guaua	104	Evergreen tree good for creating perennial greenery.
33	Psidium guajava	Guaua	104	Evergreen tree good for creating perennial greenery.

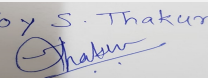
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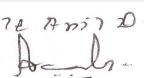
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34	Pterocarpus marsupium	Bija	104	It is a medium to large, deciduous tree that can grow up to 30 metres tall.
35	Pterospermum acerifolium	Muchkund	104	It is most likely to grow naturally along forested stream banks.
36	Putranjiva roxburghii	Jivanputra	154	Fast growing, evergreen tree, growing up to 12 m in height, having medicinal properties.
37	Sapindus laurifolius	Ritha	104	It is larval host for butterfly indigo flash.
38	Saraca asoca	Sita ashok	104	It is larval host for butterfly like common cerulean
39	Polyalthia longifolio	Ashoka tree	104	The Ashoka tree is native to India, is a lofty evergreen tree, commonly planted due to its effectiveness in controlling noise pollution.
40	Semecarpus anacardium	Bibba	104	It is deciduous tree, 10-15 m wide tall, Fruits attracts birds.
41	Spondias pinnata	Ambada	104	It is deciduous tree, 10-15 m wide tall, Fruits attracts birds.
42	Tamarindus indica	Chinch	104	Fruits are favored by wild animals. Good for shade, reduces temperature.
43	Terminalia catappa	Indian almond	104	Indian almonds are spreading trees with large, leathery, oval leaves which turn red before they fall. The tree has a distinctive shape.
44	Thespesia populnea	Bhend	104	It is larval host for butterfly chestnut streaked sailer.
45	Trema orientalis	Kharal	104	Favored by birds while fruiting. A sturdy, fast growing plant
46	Wrightia tinctoria	Kala kuda	104	Fast growing, sturdy plant
47	Ziziphus mauritiana	Bor	104	It is larval host for butterflies indigo flash. Slate flash and tussar silk moth.
48	Bambusa arundinacea	Kalak	633	It is larval host for butterflies like madrasace, dark palm dart, etc.
49	Dendrocalamus strictus	Meskati	633	Hardy and sturdy plants, drought resistant, fast growing.
50	Ficus hispida	Kal umbar	633	Fruiting trees attract fruit eating birds. Larval host for butterflies like brown king crow, etc.
51	Ficus racemosa	Umbar	633	Fruiting trees attract fruit eating birds. Larval host for butterflies like silver streak blue, etc.
52	Neolamarckia cadamba	Kadamb	633	Broad leaved trees attract many birds and insects while flowering and fruiting.
53	Pongamia pinnata	Karanj	633	It is larval host for butterflies chestnut streaked sailer, dark cerulean, etc.
54	Salix tetrasperma	Walunj	633	It is larval host for butterfly common leopard.

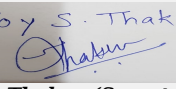
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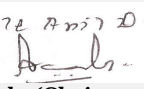
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55	Syzygium cumini	Jambhul	633	Attracts many birds while fruiting. Good for plantation in restoration.
56	Terminalia cuneata	Arjun	633	Evergreen trees, to 30 m, bole often buttressed; bark 6-8 mm thick, surface pinkish-grey, smooth, flaking off in thin layers; blaze pink; exudation red, gummy; branchlets drooping.
57	Bauhinia racemosa	Apple	181	It is larval host for butterfly common emigrant.
58	Citrus limon	Lemon tree	181	Nontoxic insecticide treatment
59	Mallotus philippensis	Kunku	181	It is a plant in the spurge family. It is known as the kamala tree or red kamala or kumkum tree, due to the fruit covering, which produces a red dye.
60	Murraya koenigii	Kadhipatta	181	It is larval host for butterflies like lime
61	Murraya paniculata	Orange Jasmine / Kamini	181	Blooms most of the year, Flower attract Honeybees.
62	Nyctanthes arbor tristis	Parijatak	181	Blooms most of the year, Flower attract Honeybees.
63	Vitex negundo	Nirgundi	181	Attracts a lot of butterflies and birds. Forms a good screen or wind break
64	Calophyllum inophyllum	Undi	181	Flower attract Honeybees
65	Ficus microcarpa	Nandruk	181	It is larval host for butterflies. Attracts birds while fruiting.
66	Ficus religiosa	Pimpal	181	It is larval host for butterflies. Attracts birds while fruiting.
67	Heterophragma quadriloculare	Waras	181	Profusely fruiting trees attract a lot of fruit eating birds.
68	Madhuca latifolia	Indian Butter Tree	181	It is a fast-growing tree that grows to approximately 20 meters in height, possesses evergreen or semi-evergreen foliage.
69	Schleichera oleosa	Kusum tree	181	It is larval host for butterflies malayan, western centaur oakblue, common hedge
70	Terminalia cuneata	Arjun	181	Evergreen trees, grows up to 30 m height, bole often buttressed; bark 6-8 mm thick, surface pinkish-grey, smooth, flaking off in thin layers; blaze pink; exudation red, gummy; branchlets drooping. Leaves simple, opposite to alternate.
71	Albizia procera	Kinhai	3249	It is larval host for butterflies-common grass yellow , three spot grass yellow
72	Madhuca longifolia	Mahua	3252	Flowering attracts many insects.
73	Melia dubia	Limbara	3249	Large deciduous and fast growing tree with wide spreading branches on a stout, straight, tall bole.

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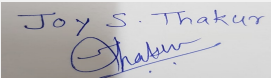
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74	Michelia champaca	Champa	3249	Trees, buttressed, up to 30 m tall. Trunk & Bark. Bark grey, lenticellate; blaze cream with orange speckles.
75	Mitragyna parvifolia	Kalam	3249	It is larval host for butterfly commander.

45.Total quantity of plants on ground

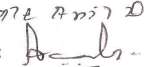
46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	Bahuniatomentosa (Yellow orchid tree)	1.2 m	718.9
2	Cestrum nocturnum (Ratrani)	0.9 m	718.9
3	Vitex negundo (Nirgundi)	0.9 m	718.9
4	Hamelia patens (Muna)	1.2 m	718.9
5	Dendrocalamus strictus (Bamboo)	1.8 m	718.9
6	Nyctanthes arbortristis (Prajakta)	1.2 m	718.9
7	Gardenia gummifera (Dikemali)	1.2 m	718.9
8	Wrightia tinctoria (Kalakuda)	1.2 m	718.9
9	Mallotus philippensis (Kamala tree)	1.2 m	718.9
10	Howea forsteriana (Paradise palm)	1.2 m	718.9
11	Holarrhena pubscens (Kuda)	1.2 m	718.9
12	Murraya exotica/paniculata (Kamini)	1.2 m	718.9
13	Glochidion ellipticum (Bhoma)	1.2 m	718.9
14	Nerium indicum (Kaner)	1.2 m	718.9
15	Plumeria acutifolia/ alba (Frangipani)	2.5 m	718.9
16	Caryataurens (Fishtail)	2.5 m	718.9
17	Phoenix sylvestris (Khajur)	2.5 m	718.9
18	Michelia alba (White champa)	2.5 m	718.9
19	Woodfordia fruticosa (Dhayati)	0.9 m	718.9
20	Carissa congesta (Karvanda)	0.9 m	718.9
21	Leea indica (Dinda)	0.6 m	-
22	Clerodendron inerme (Koynel)	0.6 m	-
23	Rhapis humilis	0.6 m	-
24	Ixora coccinea (Rugmini)	0.45 m	-
25	Dracaena reflexa (Song of India)	0.45 m	-


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26	Eranthemum nigrum	0.45 m	-
27	Barleria cristata	0.45 m	-
28	Stachytarpheta indica	0.45 m	-
29	Pseuderanthemumreticulatum	0.45 m	-

47. Energy

Power requirement:	Source of power supply :	Maharashtra State Electricity Distribution Co. Ltd. (MSEDCL)
	During Construction Phase: (Demand Load)	5 MVA
	DG set as Power back-up during construction phase	5 MVA
	During Operation phase (Connected load):	3,42,916 kW
	During Operation phase (Demand load):	1,58,913 kW
	Transformer:	200 kVA - 3 Number, 315 kVA - 1 Number, 500 kVA - 1 Number, 630 kVA - 166 Number, 1000 kVA - 37 Number, 1250 kVA - 14 Number
	DG set as Power back-up during operation phase:	126 Nos. (Ranging from 15 kVA to 1000 kVA)
	Fuel used:	Diesel
Details of high tension line passing through the plot if any:	NA	

48. Energy saving by non-conventional method:

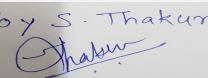
Total Energy Requirement - 3,81,46,320 kWh,
Maximum savings due to Use of LED - 3,35,472 kWh,
Maximum saving due to Solar Water Heating system - 40,97,190 kWh,
Maximum saving due to conversion of biogas to electricity - 78,948 kWh,
Total Energy Saving - 45,11,610 kWh,
Thus, Percentage Saving : 11.82%

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Maximum savings due to Use of LED	335472 kWh
2	Maximum savings due to Solar Water Heating System	4097190 kWh
3	Maximum savings due to conversion of biogas to electricity	78948 kWh

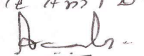
50. Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Sewage	Not Available	Total Capacity of STP - 26110 m3/day
Biodegradable Waste	Not Available	Biogas plant capacity - 5 T; Vermicompost - 60 beds of Size - 15 x 5 F
Dust	Not Available	STP Treated Water - 437 m3/day

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Budgetary allocation (Capital cost and O&M cost):	Capital cost:	812.60 Cr
	O & M cost:	24 Cr

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	STP Cost	Civil and Equipment Cost along with Operation and Maintenance Cost	115
2	Mobile Toilets	100 Number of Mobile Toilets on rent monthly basis	84

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	Civil and Equipment Cost along with Operation and Maintenance Cost	8130	1440
2	Rain water harvesting	Ground Water Recharge	105	10
3	Environmental Monitoring	Ambient Air, Water, Noise, Soil		83.82
4	Solar System	For Hot Water	3551	2.25
5	Gardening (Including Transplantation)	Green Belt Development	6311.85	420.79
6	Solid Waste	Solid Waste Management	250	10.2
7	Water Treatment Plant	Civil and Equipment Cost along with Operation and Maintenance Cost	1260	331
8	Disaster Management	contegency	5106	3766

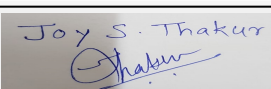
51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Diesel	inflammable	Not applicable	As required	450 L/day	13500 L/month	Local Supplier	Local Supplier

52.Any Other Information

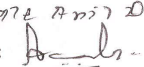
No Information Available

53.Traffic Management


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	Nos. of the junction to the main road & design of confluence:	Multiple
Parking details:	Number and area of basement:	NA
	Number and area of podia:	Multiple, Approximately about 8,94,402 m2
	Total Parking area:	614446.61 m2
	Area per car:	12.5 m2 excluding driveway, 25 m2 including driveway
	Area per car:	12.5 m2 excluding driveway, 25 m2 including driveway
	Number of 2-Wheelers as approved by competent authority:	104141
	Number of 4-Wheelers as approved by competent authority:	26661
	Public Transport:	Local Municipal bus services on main road (NH65), Local train service from Loni railway station to city
	Width of all Internal roads (m):	9m, 12m, 15m, 18 m, 24 m, 30 m (varies)
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8 (b)
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	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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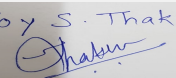
Environment Clearance for Integrated Special Township at Gat nos. 1 to 21, 23 to 41, 43 to 57, 58/A to D, 59 to 75, 76/2, 77 to 124, 126 to 129, 202, 400, 405, 407, 419, 443, 448, 460, 471, 483, 509, 511, 520, 523, 540/1 to 3, 541,543, 551 to 553, 1059 to 1068, 1070 to 1077, 1081 to 1093, 1099 to 1111, 1125 to 1131, 1132/1 to 1132/3, 1136 to 1149,1150 (part), 1151, 1152/ 1 & 2, 1153 to 1156, 1158, 1159, 1160/ 1 to 5, 1163 to 1167, village Kadamvakvasti, Tal. Haveli,Dist. Pune, Riverview City by Mr. Satish Dattatraya Magar.

PP submitted their application for modernization of earlier Environmental clearance for total plot area of 21,03,951.00 Sq. Mtrs, BUA of 5793958 Sq. Mtrs and FSI area of 3898837 Sq. Mtrs. PP proposes to construct 160 no. residential buildings+19 commercial buildings +135 bungalows +1 hundred bed hospital+ 3 school buildings+ 3 amenity buildings+ biogas plant + EHV substation+ police station + SWM plant + bus station+ 4 HV substation + 4 STP+ Fire brigade station + WTP.

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) B1.

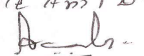
The proposal was discussed in 74th SEAC-III meeting held on 25.10.2018 and in 75th SEAC-III meeting held on 02.11.2018. Compliance points of 74th meeting were discussed during 75th meeting. During discussion following points emerged.

DECISION OF SEAC

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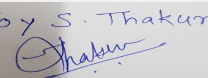
After detail discussion of the case, committee shared the observations with the PP in respect to **Socioeconomic issues, solid waste management, ecology & biodiversity and Disaster Management Plan** and asked to submit information to the committee for further discussion and consideration of SEAC and asked the PP for detail presentation on **Environment Management Plan and Liquid Waste management chapter in the next meeting** and also PP shall make detail presentation regarding EIA studies/TOR the same. The committee shall perform the site visit as and when necessary.

Specific Conditions by SEAC:

- 1) 1. PP to submit phase-wise layout Plan with wind direction.
- 2) 2. PP to submit master layout marking crematorium and showing green space around the same.
- 3) 3. PP to redraft water requirement for total year.
- 4) 4. PP to submit hardcopy of drainage map.
- 5) 5. PP to submit noise level monitoring details along with the standard limits for the locations within plot.
- 6) 6. PP to submit hard copy of Detailed Traffic Report.
- 7) 7. PP to submit hard copy of Geo-hydrological Report.
- 8) 8. PP to submit hard copy of agreement for use of excess treated water.
- 9) 9. PP to submit original & duplicate copies of indemnity bond.
- 10) 10. PP to submit hard copy of plumbing service layout maps.
- 11) 11. PP to submit hard copies of Sewage Treatment Plant (STP) drawings.
- 12) 12. PP to submit hard copies of Water Treatment Plant (WTP) drawings.
- 13) 13. PP to provide disposal method for rejects generated from STP.
- 14) 14. PP to provide mist technology for electrical fire management.
- 15) 15. PP to clarify the use of treated water from STP and submit copies of agreements for use of excess treated water.
- 16) 16. PP to obtain specific NOC from the respective department of GOM for sustainable water supply to the project.
- 17) 17. PP to submit following details regarding Ecology & biodiversity : (a) Phase wise plan and proposed list of plantation and undertaking for the same. (b) photo / video shooting during plantation. (c) PP to make sure transplantation of trees is successful and in case of failure PP shall compensate by planting new trees. (d) carry patch wise cultivation of fruit bearing trees. (e) submit list of endemic and endangered species. (f) clarify vegetation of small ponds. (g) submit list of birds and butterflies in the study area. (h) PP not to plant Alstonia species. (i) PP shall not initiate work till NOC from tree authority is received.
- 18) 18. PP to submit following details regarding solid waste management : (a) PP to prefer normal composting instead of vermicomposting. (b) PP to submit details of storage / disposal facility for hazardous waste during construction phase. (c) PP to earmark collection areas for secondary collection. (d) PP to provide agreement with dry waste collection agency. (e) PP to revise quantity of solid waste generated in phases and submit agreements made with the treatment & disposal agencies. (f) STP sludge shall be disposed to OWC inlet. (g) PP to submit details of tools used for making awareness regarding solid waste management in public domain. (h) PP to provide seven bins for different components of solid waste in community storage area for Solid Waste Management.
- 19) 19. PP to submit detailed report regarding e-waste generation and its disposal.
- 20) 20. PP to consider following activities as a part of CER : (a) PP to include de-silting in CER Plan. (b) Carry out calculation of minimum ecological flow in the river.
- 21) 21. PP to submit Socio-economic infrastructure within vicinity land specially existing pre-primary, primary and secondary schools, market, hospital etc. stating its capacity.
- 22) 22. PP to incorporate list of hospitals in the vicinity, their distance and contact numbers in the Disaster Management Plan.

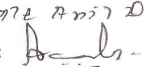
FINAL RECOMMENDATION

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

Joy S. Thakur

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