

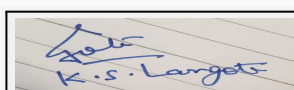
Agenda for 67 th SEAC-3 Meeting. (Day-1)

SEAC Meeting number: 67 Meeting Date August 19, 2018

Subject: Environment Clearance for Building Construction Project

Is a Violation Case: No

1.Name of Project	Grand Horizon by Grenesiis Constro Pvt. Ltd.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Arinjay Korgaonkar
4.Name of Consultant	Mr. Rajesh Shrivastava, PECS (Pollution and Ecology Control Services)
5.Type of project	Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	Not applicable
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	S.No. 34/1/4,39/1A+39/2/5/1,
9.Taluka	Haveli
10.Village	Wadgaon (Bk)
Correspondence Name:	Mr. Arinjay Korgaonkar
Room Number:	A-501
Floor:	5th
Building Name:	Thacker's House
Road/Street Name:	East Street
Locality:	Camp
City:	Pune
11.Area of the project	Pune Municipal Area
12.IOD/IOA/Concession/Plan Approval Number	Pune Municipal Corporation
	IOD/IOA/Concession/Plan Approval Number: CC/3613/15 dated 28/1/2016
	Approved Built-up Area: 7144.60
13.Note on the initiated work (If applicable)	Work has been initiated & completed the details of which are as under: First plan for amalgamation of plot and layout was sanctioned vide commencement certificate no. CC/2821/10 Dated 20/11/2010. The first NA Order was issued by Collector, Pune bearing no. PMH/NA/SR/68/2011 Dated 25/08/11 for 2549.10 sqm. Thereafter the second NA Order was issued bearing no PMH/NA/SR/1136/2012 Dated 5/10/13 for the entire plot of 10120 sqm. The first revision was sanctioned vide commencement certificate no CC/2330/12 Dated 9/11/12 The second revision was sanctioned vide commencement certificate no CC/3023/15 Dated 19/12/2015. The third revision was sanctioned vide commencement certificate no CC/3613/15 Dated 28/1/2016. The plan was sanctioned for FSI= 7144.60 sqm The plan was sanctioned and construction completed is FSI= 7144.60 sqm + Non FSI= 18190.65 sqm Total BUA= 25335.25 sqm. Part completion received vide OCC/1476/15 Dated 2/2/16. The violation was declared in the 46th meeting of SEAC-III hel
14.LOI / NOC / TOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	10120.00 Sqm
16.Deductions	1679.95 Sqm
17.Net Plot area	8420.05 Sqm
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 7144.60
	b) Non FSI area (sq. m.): 19915.65
	c) Total BUA area (sq. m.): 27060.25
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)	2761.78



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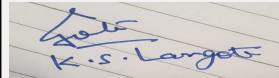
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Signature: 

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20. Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	32.80 %			
21. Estimated cost of the project	950000000			
22. Number of buildings & its configuration				
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)	
1	Residential & commercial Building	B+G+M+9	33.5	
23. Number of tenants and shops	No. of tenants- 46 Nos No. of shops- 40 Shops & 5 Offices			
24. Number of expected residents / users	Residential User- 230 Commercial User- 530			
25. Tenant density per hectare	751 Nos/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))	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	Building is completed as per sanction plan.			
30. Details of the demolition with disposal (If applicable)	No demolition shall be carried out as the construction structure is part of the proposed project.			
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				



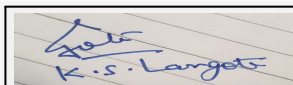
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Shri. Anil Kale (Chairman SEAC-III)

Dry season:	Source of water	PMC							
	Fresh water (CMD):	37.98							
	Recycled water - Flushing (CMD):	24.92							
	Recycled water - Gardening (CMD):	3.60							
	Swimming pool make up (Cum):	Nil							
	Total Water Requirement (CMD) :	66.50							
	Fire fighting - Underground water tank(CMD):	100 Cum							
	Fire fighting - Overhead water tank(CMD):	-							
	Excess treated water	28.09							
Wet season:	Source of water	PMC							
	Fresh water (CMD):	37.98							
	Recycled water - Flushing (CMD):	24.92							
	Recycled water - Gardening (CMD):	0.00							
	Swimming pool make up (Cum):	Nil							
	Total Water Requirement (CMD) :	62.90							
	Fire fighting - Underground water tank(CMD):	100 Cum							
	Fire fighting - Overhead water tank(CMD):	-							
	Excess treated water	31.69							
Details of Swimming pool (If any)	Not Proposed								
33.Details of Total water consumed									
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable



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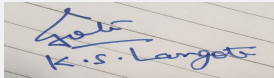
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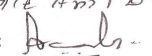
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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	15M BGL
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	Shown on plan
	Quantity of recharge pits:	6 Nos.
	Size of recharge pits :	2 x 2 x 3
	Budgetary allocation (Capital cost) :	Rs. 4.50 Lacs
	Budgetary allocation (O & M cost) :	Rs. 0.5 Lacs
	Details of UGT tanks if any :	Domestic UG tank capacity: 100 Cum Flushing UG tank Capacity: 30 cum Fire UG Tank Capacity: 100 Cum
35.Storm water drainage	Natural water drainage pattern:	As per contour
	Quantity of storm water:	8.94 Cum/min
	Size of SWD:	200 mm - 450 mm RCC MP2 Pipes
Sewage and Waste water	Sewage generation in KLD:	56.61 Cum
	STP technology:	Phytorid technology based STP
	Capacity of STP (CMD):	60 KLD- 1 No.
	Location & area of the STP:	Shown on plan
	Budgetary allocation (Capital cost):	Rs. 45 Lacs
	Budgetary allocation (O & M cost):	Rs. 1.50 Lacs
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Negligible
	Disposal of the construction waste debris:	Excess excavated soil to be dumped at sites mentioned by PMC through its licensed contractors
Waste generation in the operation Phase:	Dry waste:	135.05 Kg/day
	Wet waste:	103.25 Kg/day
	Hazardous waste:	Negligible
	Biomedical waste (If applicable):	NIL
	STP Sludge (Dry sludge):	Negligible
	Others if any:	NIL


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Mode of Disposal of waste:	Dry waste:	Handed over to authorized agency
	Wet waste:	Composting
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	to be disposed once in three years
	Others if any:	NA
Area requirement:	Location(s):	Shown on plan
	Area for the storage of waste & other material:	30 Sqm
	Area for machinery:	-
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 14 Lacs
	O & M cost:	Rs. 4.75 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

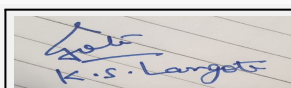
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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 :	844 Sqm
	No of trees to be cut :	Nil
	Number of trees to be planted :	106 Nos.
	List of proposed native trees :	Listed below
	Timeline for completion of plantation :	Before completion of the project

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

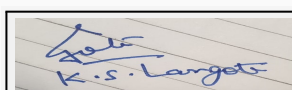
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadirachta indica	Neem	10	This tree with good canopy can tolerate high to very high temperature and has anti-desertification properties and is a good carbon dioxide sink.
2	Mangifera indica	Mango	10	Large evergreen tree with a dense dome-shaped crown attracts and provides nesting for avi fauna.
3	Terminalia paniculata	Kinjal	10	Tree with good canopy, attracting avifauna.
4	Albizia lebbeck	Shrish	10	Medium sized deciduous tree. Beautiful yellow flowers
5	Manilkara zapota	Chikku	10	Fruit trees attracting butterflies/ birds
6	Dalbergia sissoo	Shisam	10	Medium sized tree. Good Shade giving canopy.
7	Nyctanthes arbor-tristis	Parijatak	16	Small deciduous fast growing tree, beautiful flowers.c
8	Citrus sp	Lemon	10	Butterfly host plant
9	Michelia champaca	Chapha	10	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
10	Lagerstroemia flosreginae	Tamhan	10	State flower tree of Maharashtra Medium sized tree, beautiful purple flowers

45.Total quantity of plants on ground

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

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

47.Energy



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Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	60 KW
	DG set as Power back-up during construction phase	30 KVA
	During Operation phase (Connected load):	-
	During Operation phase (Demand load):	992.60 KW
	Transformer:	630 KVA- 2 Nos & 315 KVA- 1 No.
	DG set as Power back-up during operation phase:	200 KVA- 1 No.
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	No

48. Energy saving by non-conventional method:

1. Solar Water Heater
2. Solar Street Lights

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar water Heater & solar street Lights	45.42% saving

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. 13.20 lacs
	O & M cost:	Rs. 0.56 Lacs

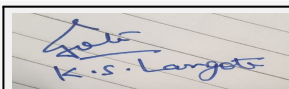
51. Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Site Sanitation	Health & Safety	Rs. 2.44 Lacs
2	Enviro Monitoring	Pollution Control	Rs. 3.16 Lacs
3	Disinfection	Health & safety	Rs. 1.20 Lacs
4	Health & check up of labour	Health & Safety	Rs. 2.90 Lacs

b) Operation Phase (with Break-up):

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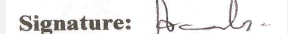


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1	STP	Sewage treatment	Rs. 45.00 Lacs	Rs. 1.50 Lacs
2	RWH	Rainwater harvesting pits	Rs. 4.50 Lacs	Rs. 0.50 Lacs
3	Landscape	Tree Plantation	Rs. 8.50 Lacs	Rs. 2.00 Lacs
4	Solar Water Heater	Non conventional energy	Rs. 3.20 Lacs	Rs. 0.064 Lacs
5	Solar Street Lights	Non conventional Energy	Rs. 10 Lacs	Rs. 0.50 Lacs
6	Solid Wastes	Biodegradable waste Management	Rs.14.0 Lacs	Rs. 4.75 Lacs
7	Enviro Monitoring	Pollution Control	-	Rs. 3.16 Lacs
8	Basement Parking Storm water Pumping	-	Rs. 10.0 Lacs	Rs. 0.20 Lacs

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

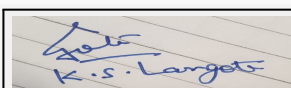
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

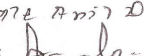
	Nos. of the junction to the main road & design of confluence:	1 no.
Parking details:	Number and area of basement:	1 No. of Basement
	Number and area of podia:	-
	Total Parking area:	16879.0 Sqm
	Area per car:	12.5 Sqm/Car
	Area per car:	12.5 Sqm/Car
	Number of 2-Wheelers as approved by competent authority:	408 Nos
	Number of 4-Wheelers as approved by competent authority:	188 Nos
	Public Transport:	Nil
Width of all Internal roads (m):	9M wide internal Road	



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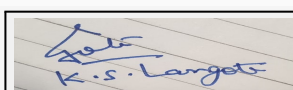
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	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	B
	Court cases pending if any	Yes
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	18-07-2017
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: Anil D.
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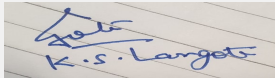
Environment Clearance for Building Construction Project at S.No. 34/1/4,39/1A+39/2/5/1,Wadgaon (Bk) Grand Horizon by Grenesiis Constro Pvt. Ltd.

PP submitted their application for Prior Environmental clearance for total plot area of 10120.00 Sq. Mtrs, BUA of 27060.25 Sq. Mtrs and FSI area of 7144.60 Sq. Mtrs. PP proposes to construct 1 no. residential & commercial building.

Brief history of Project

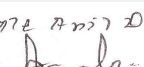
- Work has been initiated & completed the details of which are as under:
- First plan for amalgamation of plot and layout was sanctioned vide commencement certificate no. CC/2821/10 Dated 20/11/2010.
- The first NA Order was issued by Collector, Pune bearing no. PMH/NA/SR/68/2011 Dated 25/08/11 for 2549.10 sqm. Thereafter the second NA Order was issued bearing no. PMH/NA/SR/1136/2012 Dated 5/10/13 for the entire plot of 10120 sqm.
- The first revision was sanctioned vide commencement certificate no CC/2330/12 Dated 9/11/12
- The second revision was sanctioned vide commencement certificate no CC/3023/15 Dated 19/12/2015.
- The third revision was sanctioned vide commencement certificate no CC/3613/15 Dated 28/1/2016. The plan was sanctioned for FSI= 7144.60 sqm and Total BUA= 25335.25 sqm.
- Part completion received vide OCC/1476/15 Dated 2/2/16.
- The violation was declared in the 46th meeting of SEAC-III held on 25th April - 29th April 2016.
- Notice issued under section 5 of Environment (P) Act, 1986 w.r.t EIA Notification 2006, dated 20/6/2016
- Verification of violation received from MPCB vide letter dated 5/7/2016
- Inspection report from PMC dated 15/7/2016.
- Violation was declared vide order no SEIAA - 2015/III/CR-545/TC-3 Dated 02/08/2016.
- MPCB has filed the case in the court vide case no 3766/2016 Dated 01/09/2016.
- Application submission at MoEF & CC on dated 18/07/2017
- NGT Order 19.04.18 in favour of proponent.

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


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DECISION OF SEAC

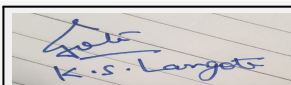
SEAC decided to recommend the proposal for prior environmental Clearance, subject to PP complying with the following conditions.

Specific Conditions by SEAC:

- 1) PP to submit traffic impact study.
- 2) PP to submit details of CER activities in consultation with the affected people in the project area as per MoEF & CC circular dated 1/05/2018 if applicable.
- 3) PP to submit an indemnity bond for project land.
- 4) PP to plant native tree species and submit revise tree list.
- 5) PP to submit energy saving calculations.
- 6) Cost of Ecological Damage as Assessed by PP and discussed in the SEAC is Rs. 33.34 Crore. In general the damage caused in construction period is 5% of the total damage. Therefore committee decide to put Bank Guarantee of Rs, 1.55 Crore (5% of the total damage assessment value)
- 7) PP to submit Bank Guarantee of Rs, 1.55 Crore.
- 8) PP to submit compliance report for remediation and augmentation is planned for various aspects affecting environment. (Compliance of PART-C of Ecological damage assessment report.)

FINAL RECOMMENDATION

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



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Agenda for 67 th SEAC-3 Meeting. (Day-1)

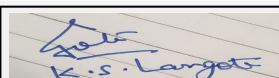
SEAC Meeting number: 67 Meeting Date August 19, 2018

Subject: Environment Clearance for Amendment in EC

Is a Violation Case: No

1.Name of Project	Gagan Signet
2.Type of institution	Private
3.Name of Project Proponent	M/s. Gagan Realtors LLP through Mr Rohit Garg
4.Name of Consultant	M/s. Ultra-Tech (Environmental Consultancy & Laboratory)
5.Type of project	Housing
6.New project/expansion in existing project/modernization/diversification in existing project	New Project - applying for amendment in EC received vide no. SEIAA/2016/III/CR249/TC-3 dated 6th January 2017 due to receipt of additional area sanction which is already recommended for EC by SEAC-III
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Sr. No. 66, Kondhawa budruk, , Pune
9.Taluka	Haveli
10.Village	Kondhawa Budruk
Correspondence Name:	Mr. Rohit Garg
Room Number:	301
Floor:	3rd floor
Building Name:	Marvel Alina
Road/Street Name:	5th Lane,
Locality:	Koregaon Park
City:	Pune
11.Area of the project	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	1. Sanction received vide no. CC/4109/15 dated 15/03/2016 for construction area 18,769.14 sq m (earlier EC was restricted for this area) IOD/IOA/Concession/Plan Approval Number: 2. Sanction received vide no. CC/1035/17 dated 14/07/2017 for total construction area 28879.85 Sq.m. Approved Built-up Area: 42314.45
13.Note on the initiated work (If applicable)	Work initiated on site as per previous EC received total construction area completed 7307.46 Sq.m.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	9,888.26 Sq.m
16.Deductions	1,296.89 Sq.m.
17.Net Plot area	8,591.37 Sq.m.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 15026.48 b) Non FSI area (sq. m.): 27287.97 c) Total BUA area (sq. m.): 42314.45
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)	4034.51
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	46.96%
21.Estimated cost of the project	774774000

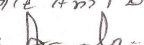
22.Number of buildings & its configuration



K.S.Langote (Secretary SEAC-III)

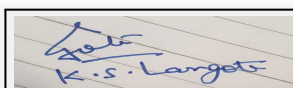
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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)	
1	Wing A, 1 number	LG. +G +St. +Po.1+Po.2 + 15Flr.	49.3	
2	Wing B, 1 number	LG. +G +St. +Po.1+Po. 2 + 15Flr.	49.3	
3	Wing C, 1 number	LG. +G +St. +Po.1+Po. 2 + 15Flr.	49.3	
4	MHADA Bldg, 1 number	commercial L.G + GROUND Residential 3 floors (1st,2nd & 3rd) above commercial	20.3	
23.Number of tenants and shops		190 Flats & 23 shops		
24.Number of expected residents / users		Residential :950 Commercial: 335		
25.Tenant density per hectare		222		
26.Height of the building(s)				
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))		24 m wide road , 3 km away from Katraj Fire station		
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation		9m		
29.Existing structure (s) if any		Work initiated on site as per previous EC received total construction area completed 7307.46 Sq.m.		
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	PMC
	Fresh water (CMD):	97
	Recycled water - Flushing (CMD):	51
	Recycled water - Gardening (CMD):	5
	Swimming pool make up (Cum):	3, through tanker
	Total Water Requirement (CMD) :	156
	Fire fighting - Underground water tank(CMD):	250
	Fire fighting - Overhead water tank(CMD):	20
	Excess treated water	77

Wet season:	Source of water	PMC
	Fresh water (CMD):	97
	Recycled water - Flushing (CMD):	51
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	3, through tanker
	Total Water Requirement (CMD) :	156
	Fire fighting - Underground water tank(CMD):	250
	Fire fighting - Overhead water tank(CMD):	20
	Excess treated water	82

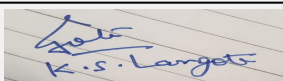
Details of Swimming pool (If any)

- Dimension of Swimming Pool: 16m x 7m x 1.2m
- Total water Requirement in KLD: 132
- Water requirement for make up in KLD: 3
- Details of Plant & Machinery used for treatment of Swimming pool water: Skimmer, filter

Details of quality to be achieved for swimming pool water and parameters to be monitored: (ph of full water 7.6 to 7.4 ppm, chlorine level 1.5) & as per IS3328:1993
 Capital Cost: - Rs.22.54 Lacs
 O & M cost: - Rs.2.16 lacs /annum

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Fresh water requirement	NA	97	97	NA	14	14	NA	83	83



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Domestic	NA	51	51	NA	0	0	NA	51	51
Gardening	NA	5	5	NA	5	5	NA	0	0
34.Rain Water Harvesting (RWH)									
	Level of the Ground water table:	30m							
	Size and no of RWH tank(s) and Quantity:	NA							
	Location of the RWH tank(s):	NA							
	Quantity of recharge pits:	8							
	Size of recharge pits :	1.5m x 1.5m x 1.5m							
	Budgetary allocation (Capital cost) :	Rs. 4.00 Lac							
	Budgetary allocation (O & M cost) :	Rs. 1.60 Lacs/annum							
Details of UGT tanks if any :	Residential & Commercial: Domestic UG tank Capacity (cum) : 160 Flushing UG tank Capacity(cum) : 85 Fire UG tank Capacity (cum): 250								
35.Storm water drainage									
	Natural water drainage pattern:	SW to NE							
	Quantity of storm water:	232.53 m3/hr							
	Size of SWD:	450 mm dia							
Sewage and Waste water									
	Sewage generation in KLD:	136							
	STP technology:	140							
	Capacity of STP (CMD):	1 no. 140 KLD							
	Location & area of the STP:	shown in layout							
	Budgetary allocation (Capital cost):	Rs. 45.00 Lac							
	Budgetary allocation (O & M cost):	Rs. 10.76 Lacs/year							
36.Solid waste Management									
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Disposal of the construction debris: excess debris will be 1736 Cum (50Cum -Concrete, steel etc., 1686 Cum Excavation waste)							
	Disposal of the construction waste debris:	Excess debris will be given to own site located nearby.							
Waste generation in the operation Phase:	Dry waste:	240 Kg/day							
	Wet waste:	319 Kg/day							
	Hazardous waste:	NA							
	Biomedical waste (If applicable):	NA							
	STP Sludge (Dry sludge):	21 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:	Smart OWC
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	will be used as manure
	Others if any:	NA
Area requirement:	Location(s):	Shown in master layout
	Area for the storage of waste & other material:	44 Sq.m
	Area for machinery:	included in above area
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs.14.75 lacs
	O & M cost:	Rs. 2.71 lacs per 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

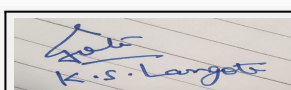
Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	140 KVA	Diesel	2	2.5	0.1	496 degree Celcius

40.Details of Fuel to be used

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

41.Source of Fuel Diesel

42.Mode of Transportation of fuel to site By road



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43.Green Belt Development	Total RG area :	Total RG area: 859.14 m ² 1. RG area other than green belt = 78.83 m ² 2. RG area under green belt = 859.14 m ² • RG on the ground (sq. m.) = 859.14 m ²
	No of trees to be cut :	NA
	Number of trees to be planted :	115
	List of proposed native trees :	115
	Timeline for completion of plantation :	2 year

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

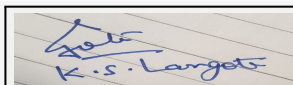
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Murraya koengii	Kadipatta	08	Butterfly host plant
2	Anthocephallus cadamba	Kadamb	08	Shady, large tree, ball shaped flowers.
3	Lagerstroemia flosregineae	Tamhan	09	State flower tree of Maharashtra Medium sized tree, beautiful purple flowers
4	Cassia fistula	Bahava	12	Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plant
5	Azardirachta indica	Neem	11	Large tree, good for roadside plantation
6	Albizia lebbeck	Shirish	08	Shady tree, yellowish green fragrant flowers
7	Michelia champaca	Sonchafa	10	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
8	Saraca ashoka	Sita ashok	12	Shady tree with red-yellow flowers.
9	Pongamia pinnata	Karanj	07	Shady tree.
10	Manilkara zapota	Chikoo	10	Fruit Bearing tree
11	Mangifera indica	Mango tree	10	Evergreen & bird attracting tree
12	Syzygium cumini	Jambhul	10	Fruit tree & 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 m ²
1	NA	NA	NA

47.Energy



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Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	100 KW
	DG set as Power back-up during construction phase	62.5 KVA
	During Operation phase (Connected load):	1548.90 KW
	During Operation phase (Demand load):	768.23 KVA
	Transformer:	1 No. 630 KVA and 1 No. 315 KVA
	DG set as Power back-up during operation phase:	2 Nos. 140 KVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NO

48. Energy saving by non-conventional method:

The following Energy Conservation Methods are proposed in the project:

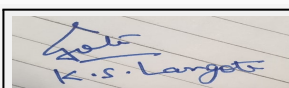
1. Timers and contactors will be used to switch on / off common area & external landscape and facade lighting.
2. Light Emitting Diode (LED) will be used for corridors, Lobbies and common areas.
3. All fluorescent light fixtures are specified to incorporate electronic chokes which have less watt-loss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

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	TIMERS AND CONTRACTORS WILL BE USED TO SWITCH ON OFF COMMON AREA AND EXTERNAL LIGHTING	42 %
2	LLIGHTING EMITTING DIODE WILL BE USED FOR CORRIDORS LOBBIES AND COMMON AREA	Included in above
3	Energy efficient CFL/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.	Included in above
4	Solar water is provided for each flat.	96
5	Solar PV Panels are proposed for street lighting.	20

50. Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
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DG set	Not applicable	stack
Solid waste	Not applicable	OWC
Sewage	Not applicable	STP
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 37.12 Lacs
	O & M cost:	Rs. 3.64 Lacs/annum

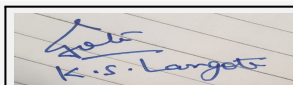
51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water For Dust Suppression	4.32
2	Air Environment	Air & Noise Monitoring	0.48
3	Water Environment	Tanker Water For Construction	6.48
4	Water Environment	Water Monitoring	0.6
5	Land Environment	Site Sanitation- Mobile toilets	20.6
6	Biological Environment	Gardening Set Up	2.8
7	Socio- Economic Environment	Disinfection- Pest Control	0.18
8	Socio- Economic Environment	First Aid Facilities	0.18
9	Socio- Economic Environment	Health Check Up	0.8
10	Socio- Economic Environment	Creches For Children	6
11	Socio- Economic Environment	Personal Protective Equipment	4.9
12	Energy Conservation	CFL Lamps For Labour Hutments	0.2

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Swimming Pool	Swimming Pool	22.54	2.16
2	Sewage Treatment Plant	Sewage Treatment Plant	45	10.76
3	Rain water Harvesting	Rain water Harvesting	4	1.6
4	Solid waste Management	Solid waste Management	14.75	2.71
5	Green Belt Development	Green Belt Development	9.60	0.96
6	Energy use (solar panel)	Energy use (solar panel)	1.5	0.075
7	Energy Use (Solar water heating)	Energy Use (Solar water heating)	35.62	3.56

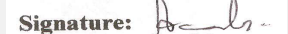


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8	Environmental Monitoring	Environmental Monitoring	0	11.01
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51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)

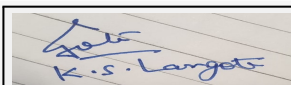
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

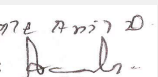
	Nos. of the junction to the main road & design of confluence:	1
Parking details:	Number and area of basement:	0
	Number and area of podia:	2 no. 6205.88 sq.m.
	Total Parking area:	12070.60
	Area per car:	30 sq m
	Area per car:	30 sq m
	Number of 2-Wheelers as approved by competent authority:	399
	Number of 4-Wheelers as approved by competent authority:	365
	Public Transport:	Local Transport
	Width of all Internal roads (m):	7.5 m and 9 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) B2
	Court cases pending if any	NA



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	Other Relevant Informations	<p>Application was recommended by SEAC for FSI 15,026.48 sq m and Non FSI area 27,287.97 sq m and total construction BUA 42,314.45 in 49th SEAC-III meeting</p> <p>Sanction was received vide letter CC/4109/15 dated 15/03/2016 for construction area 18,769.14 sq m</p> <p>Therefore, in 105th SEIAA, EC was issued vide no. SEIAA/2016/III/CR249/TC-3 dated 6th January 2017 which was restricted to 18,769.14 sq m BUA</p> <p>Now, we have received revised sanction from PMC vide no. CC/1035/17 dated 14/07/2017 for total construction area 28,879.85 Sq.m., (inclusive of precious area) therefore, applying to SEIAA to grant EC for total construction area 28,879.85 Sq.m. (FSI Area - 10743.65 sq.m. & Non-FSI Area - 18136.20 sq.m)</p> <p>We will apply later for the remaining area recommended by SEAC after receiving the sanction from PMC.</p>
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	17-03-2016

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summarised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for Amendment in EC Gagan Signet Sr. No. 66, Kondhawa budruk. , Pune Kondhawa Budruk by M/s. Gagan Realtors LLP.

PP submitted their application for prior Environmental clearance for total plot area of 9888.26 Sq. Mtrs, BUA of 42314.45 Sq. Mtrs and FSI area of 15026.48 Sq. Mtrs. PP proposes to construct 4 no. residential building (wings).

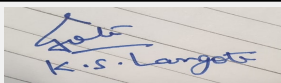
DECISION OF SEAC

The seac-3 committee already apprised the project for 42314.45 sq m in its 49th meeting. Hence committee decide to transfer the proposal online to SEIAA.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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



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Agenda for 67 th SEAC-3 Meeting. (Day-1)

SEAC Meeting number: 67 Meeting Date August 19, 2018

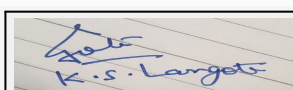
Subject: Environment Clearance for Residential & Commercial Project

Is a Violation Case: No

1.Name of Project	"Mantra 7 Hills" by M/s. Mantra Buidcraft LLP
2.Type of institution	Private
3.Name of Project Proponent	Mr Sailesh Agarwal
4.Name of Consultant	Ultra-Tech
5.Type of project	Residential & 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	Earlier EC received vide letter No. SEAC-2016/C.R.424/TC-1,dated 12.05 2017
8.Location of the project	Gat.No.642,644,645,651,652,637/P, 638/P 654,633,634,635, 655 & 656
9.Taluka	Haveli
10.Village	Kirkitwadi
Correspondence Name:	M/s. Mantra Buildcrafts LLP
Room Number:	T4 - T5, Metropole Building - 3rd floor, Next to Inox Multiplex,Bund Garden Road Pune - 411001
Floor:	3rd floor,
Building Name:	Metropole Building
Road/Street Name:	Bund Garden Road
Locality:	Pune
City:	Pune
11.Area of the project	PMRDA
12.IOD/IOA/Concession/Plan Approval Number	Applied
	IOD/IOA/Concession/Plan Approval Number: 1
	Approved Built-up Area: 34899.83
13.Note on the initiated work (If applicable)	work has been initiated as per earlier EC
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	32,337.50 m2
16.Deductions	4930.53 m2
17.Net Plot area	27,406.98 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 48,753.00 m2
	b) Non FSI area (sq. m.): 29,855.00 m2
	c) Total BUA area (sq. m.): 34899.83
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)	4933.33 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	18 %
21.Estimated cost of the project	850000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
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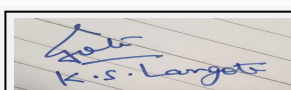
1	Wing A	G +5	19.45
2	Wing A1	P + 12	37.20
3	Wing B1+B2	2P + 12	37.20
4	Wing B3+B4	2P + 12	37.20
5	Wing C1+C2	2P + 12	37.20
6	Wing D1+D2	2P + 12	37.20
7	Wing E1+E2	2P+12	37.20

23.Number of tenants and shops	No. of Tenements: -972 Shops 10 nos. and offices 10 nos.
24.Number of expected residents / users	Residential: 4860 Nos. Shops + offices =139 Nos
25.Tenant density per hectare	360 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))	12 m Wide road , Fire station at Nanded city
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 up to 9m
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



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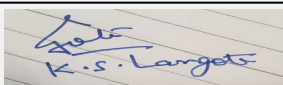
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Dry season:	Source of water	Grampanchayat Kirkatwadi								
	Fresh water (CMD):	440								
	Recycled water - Flushing (CMD):	222								
	Recycled water - Gardening (CMD):	16								
	Swimming pool make up (Cum):	0								
	Total Water Requirement (CMD) :	678								
	Fire fighting - Underground water tank(CMD):	300								
	Fire fighting - Overhead water tank(CMD):	10m3 for bldg A 20m3 each wing								
	Excess treated water	358								
Wet season:	Source of water	Grampanchayat Kirkatwadi								
	Fresh water (CMD):	440								
	Recycled water - Flushing (CMD):	222								
	Recycled water - Gardening (CMD):	0								
	Swimming pool make up (Cum):	0								
	Total Water Requirement (CMD) :	662								
	Fire fighting - Underground water tank(CMD):	300								
	Fire fighting - Overhead water tank(CMD):	10m3 for bldg A 20m3 each wing								
	Excess treated water	374								
Details of Swimming pool (If any)	Area = 80 SQ.M									
33.Details of Total water consumed										
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)			
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total	
Fresh water requirement	0	440	440	0	44	44	0	396	396	
Domestic	0	222	222	0	22	22	0	200	200	
Gardening	0	16	16	0	16	16	0	0	0	



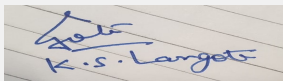
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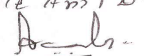
Name: K. S. Anil D.
Signature: [Signature]
Shri. Anil Kale (Chairman SEAC-III)

34.Rain Water Harvesting (RWH)	Level of the Ground water table:	Below 11 to 31m
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	9 Nos.
	Size of recharge pits :	• 2X2X2m and Depth with 2 no. of de-siltation pits of 0.9 X 0.6 X 1.0 m. Deep and 60 m. Deep 6" Dia. Bore Wells.
	Budgetary allocation (Capital cost) :	Rs. 9.00 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 0.45 Lakhs/annum
	Details of UGT tanks if any :	Domestic UG tank Capacity(CM) : 660 m3 Flushing UG tank Capacity(CM):220m3 Fire fighting (CM):300 m3
35.Storm water drainage	Natural water drainage pattern:	From South to North
	Quantity of storm water:	21.0m3/min
	Size of SWD:	600 mm
Sewage and Waste water	Sewage generation in KLD:	596
	STP technology:	MBBR
	Capacity of STP (CMD):	650 m3
	Location & area of the STP:	Near building A1
	Budgetary allocation (Capital cost):	Rs. 63.11 Lakhs
	Budgetary allocation (O & M cost):	Rs. 8.67 Lakhs/Annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	37 kg/day
	Disposal of the construction waste debris:	Used for back filling
Waste generation in the operation Phase:	Dry waste:	993 kg/day
	Wet waste:	1472 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	93 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:	OWC
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	used as manure
	Others if any:	NA
Area requirement:	Location(s):	Near A wing
	Area for the storage of waste & other material:	122 m2
	Area for machinery:	122 m2
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 30.00 Lakhs
	O & M cost:	Rs.-8.9 Lakhs/Annu

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

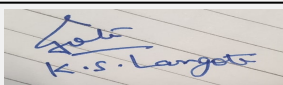
39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	250KVA-1 Nos	HSD 42.6 lit./hr.	1	4.28m	NA	450 OC

40.Details of Fuel to be used

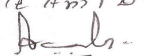
Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	Not applicable	HSD	HSD

41.Source of Fuel	Authorized Vendor
42.Mode of Transportation of fuel to site	by road


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43.Green Belt Development	Total RG area :	3227.3 m ²
	No of trees to be cut :	NA
	Number of trees to be planted :	358 Nos.
	List of proposed native trees :	358 Nos. + existing 6 Nos.= 364
	Timeline for completion of plantation :	2 years

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

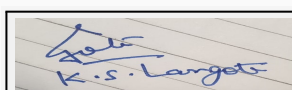
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Casslagrandls	Pink Shower	30	Drought tolerant, ornamental & medicinal plant
2	Michellachampa	Champa	27	Evergreen timber plant, ornamental,
3	Mimusopeselengii	Bakul	30	Evergreen tree, timber yielding and medicinal plant
4	Ficusbenjamino	Weeping fig	30	Evergreen & bird attracting tree
5	Syzygiumcumini	Jambul	29	fruit tree & bird attracting
6	Buteamonosperma	Flame tree	30	Used in pesticide & dye preparation,
7	Magniferaindica	Mango	30	Evergreen & bird attracting tree
8	Cassis fistula	Golden shower	27	Drought tolerant, ornamental & medicinal plant
9	Saracaindica	Sita Ashok	28	Evergreen medicinal plant
10	Roystiniaregia	Royal plam	32	Nitrogen fixer, ornamental plant
11	Manikarazapota	Chikoo	30	Tropical fruit tree & bird attracting tree
12	Neolamarikacadamba	Kadamba tree	29	Tropical fruit tree & bird attracting tree
13	Existing Trees	Existing	6	existing
14	TOTAL	TOTAL	358	TOTAL

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 m ²
1	NA	NA	NA

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 kVA
	During Operation phase (Connected load):	5732 KW
	During Operation phase (Demand load):	2521KW
	Transformer:	4 Nos. 630 KVA
	DG set as Power back-up during operation phase:	1 Nos. x 250 KVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48. Energy saving by non-conventional method:

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	Using Solar PV Panel .	0.33%
2	Using Timer Logic Controller	0.84%
3	Using Electronic VVF drive for Lifts	0.33%
4	Using Solar Water Heater :	13.59%
5	TOTAL	15.13%

50. Details of pollution control Systems

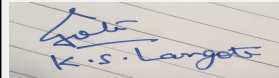
Source	Existing pollution control system	Proposed to be installed
STP	NA	650 kLD
OWC	NA	1 No.
DG set	NA	1 No., 250 KVA

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs.180.55 Lakhs
	O & M cost:	Rs. 6.41 lakhs p. a.

51. Environmental Management plan Budgetary Allocation

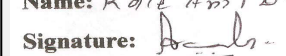
a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
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1	Air & Noise	Water For Dust Suppression Air & Noise monitoring	0.84
2	Water	Tanker water for construction & worker Water monitoring	2.22
3	Land	Mobile Toilets & maintenance	5.4
4	Biological	Gardening & Excavation, transplantation	2.5
5	Socio	Disinfection at site, Safety, First Aid, Health Hygiene Facilities, Health Check Up, Creches for children , Personal Protective Equipment	5.85
6	Total	Total	18.51

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 No. Of 350 KL D capacity	63.11	8.67
2	Rain Water Harvesting	Recharge pits 4 Nos.	9.00	0.45
3	Environmental Monitoring	MoEF approved laboratory	0	6.20
4	Gardening	Plantation of 358 trees	42.35	0.13
5	Solid waste	OWC 1 No.	30.00	8.9
6	Energy	Energy Conservation method	180.55	6.41
7	Swimming Pool	1 No.	20.00	2.00

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

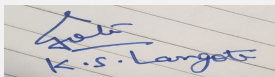
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
NA	NA	NA	NA	NA	NA	NA	NA

52.Any Other Information

No Information Available

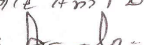
53.Traffic Management

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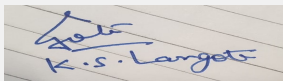

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Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	4405 m2
	Area per car:	30 m2
	Area per car:	30 m2
	Number of 2-Wheelers as approved by competent authority:	Scooter - 1781 Nos., Cycle - 1781 Nos.
	Number of 4-Wheelers as approved by competent authority:	227 Nos.
	Public Transport:	NA
	Width of all Internal roads (m):	6m,9m, & 12 m wide
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8a (B2)
	Court cases pending if any	NA
	Other Relevant Informations	Work has been initiated as per earlier EC.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	04-08-2016
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 Residential & Commercial Project at
Gat.No.642,644,645,651,652,637/P, 638/P 654,633,634,635, 655 & 656
, Kirkitwadi, Haveli by "Mantra 7 Hills" by M/s. Mantra Buidcraft LLP.**

PP submitted their application for prior Environmental clearance for total plot area of 32337.50 Sq. Mtrs, BUA of 34899.83 Sq. Mtrs and FSI area of 48753.00 Sq. Mtrs. PP proposes to construct 7 no. residential building (wings).

DECISION OF SEAC

PP remains absent.

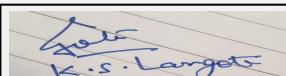
committee decided to defer the proposal and consider a fresh.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

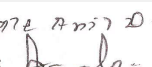
SEAC-III decided to defer the proposal till PP submits the additional information as per above conditions within 30 days

SEAC-AGENDA-00000000117


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SEAC-III)**

Agenda for 67 th SEAC-3 Meeting. (Day-1)

SEAC Meeting number: 67 Meeting Date August 19, 2018

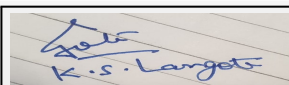
Subject: Environment Clearance for Construction project by M/s Sanskruti & Essen Associates

Is a Violation Case: No

1.Name of Project	Shonest Tower
2.Type of institution	Private
3.Name of Project Proponent	Mr. Satish Agarwal
4.Name of Consultant	M/s JV Analytical Services
5.Type of project	Residential & Commercial 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. 175/3, (172/2) Wakad Link Road, Next to Omega Paradise, Behind hotel Sayaji
9.Taluka	Mulshi
10.Village	Wakad
Correspondence Name:	Mr. Satish Agarwal
Room Number:	S. No. 175/3, (172/2)
Floor:	-
Building Name:	-
Road/Street Name:	Wakad Link Road
Locality:	Next to Omega Paradise, Behind hotel Sayaji
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: BP/ENVIRONMENT/WAKAD/2/2016
	Approved Built-up Area: 47491.36
13.Note on the initiated work (If applicable)	Total constructed work :19937.38 m2 , Buildings - 8 Nos. A+B, C, D+G, E, F, H
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	20900.00 m2
16.Deductions	3958.02 m2
17.Net Plot area	16941.98 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 25303.77
	b) Non FSI area (sq. m.): 22187.59
	c) Total BUA area (sq. m.): 47491.36
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)	6388.98
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	30.57% of Total plot area 20900.00 m2 and 37.71% of Net plot area 16941.98 m2
21.Estimated cost of the project	1250000000

22.Number of buildings & its configuration

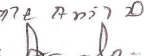
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
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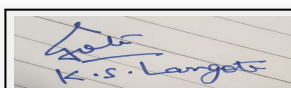
1	Building A+B	G+6	21.00
2	Building D+G	G+6	21.00
3	Building C	G+6	21.00
4	Building E	P +12	38.40
5	Building F	P +12	38.40
6	Building H	P +12	38.40
7	Building I	P+P1+13	44.45
8	Building J	P+P1+13	44.45

23.Number of tenants and shops	Tenements - 424 Nos. Total Commercial Area - 935.49 m ²
24.Number of expected residents / users	Residential - 2120 Nos. Commercial - 312 Nos. Total users - 2432 Nos.
25.Tenant density per hectare	251
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	24 M Wide Road
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	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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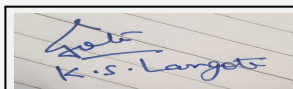
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Shri. Anil Kale (Chairman SEAC-III)

Dry season:	Source of water	Pimpri Chinchwad Municipal Corporation							
	Fresh water (CMD):	320.20 (one time)							
	Recycled water - Flushing (CMD):	103.20							
	Recycled water - Gardening (CMD):	10.00							
	Swimming pool make up (Cum):	10.00							
	Total Water Requirement (CMD) :	207.00							
	Fire fighting - Underground water tank(CMD):	200 m3							
	Fire fighting - Overhead water tank(CMD):	150 m3							
	Excess treated water	157.80							
Wet season:	Source of water	Pimpri Chinchwad Municipal Corporation							
	Fresh water (CMD):	310.20 (one time)							
	Recycled water - Flushing (CMD):	103.20							
	Recycled water - Gardening (CMD):	NA							
	Swimming pool make up (Cum):	10.00							
	Total Water Requirement (CMD) :	207.00							
	Fire fighting - Underground water tank(CMD):	200 m3							
	Fire fighting - Overhead water tank(CMD):	150 m3							
	Excess treated water	167.80							
Details of Swimming pool (If any)	<p>Dimension of Swimming Pool: 8.75 m (Width) X 17.05 (Length) Total water Requirement in KLD: 10,000 Ltr. Water requirement in KLD: 10 m3 Details of Plant & Machinery used for treatment of Swimming pool water: Details of quality to be achieved for swimming pool water and parameters to be monitored: Capital Cost: Rs. 59.00 Lakh O & M: Rs. 2.40 Lakh/Year</p>								
33.Details of Total water consumed									
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable



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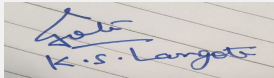
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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	8 m to 25 m Below Ground Level
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	08 Nos
	Size of recharge pits :	Depth 150 to 300 mm
	Budgetary allocation (Capital cost) :	Rs. 14.00 Lakh
	Budgetary allocation (O & M cost) :	Rs. 1.0 Lakh/ year
	Details of UGT tanks if any :	Domestic UG tank Capacity: 326.50 m3 Flushing UG tank Capacity: 125.00 m3 Fire UG tank Capacity: 200.00 m3
35.Storm water drainage	Natural water drainage pattern:	-
	Quantity of storm water:	Discharge Before Development - 170.07 m3/day , Discharge After Development - 276.96 m3/day
	Size of SWD:	150 to 300 mm
Sewage and Waste water	Sewage generation in KLD:	271.00
	STP technology:	MBBR
	Capacity of STP (CMD):	01 no. - 280.00 m3/day
	Location & area of the STP:	-
	Budgetary allocation (Capital cost):	Rs. 32.50 Lakh
	Budgetary allocation (O & M cost):	Rs. 4.20 Lakh / Year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	75 kg/day
	Disposal of the construction waste debris:	Use for Leveling
Waste generation in the operation Phase:	Dry waste:	471.00 kg/day
	Wet waste:	667.00 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	24.39 kg/day
	Others if any:	-



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Mode of Disposal of waste:	Dry waste:	Authorized Vendor
	Wet waste:	Organic Waste Converter
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as Manure after treatment in OWC
	Others if any:	-
Area requirement:	Location(s):	-
	Area for the storage of waste & other material:	60 m ²
	Area for machinery:	Included in other material area
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 16.75 Lakh
	O & M cost:	Rs. 5.80 Lakh / Year

37. Effluent Characteristics

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

38. Hazardous Waste Details

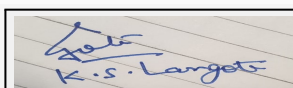
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39. Stacks emission Details

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 - 160 KVA	HSD - 38.3 lit/hr.	S - 1	6.53	As per norms	-
2	DG Set - 125 KVA	HSD - 22.7 lit/hr.	S - 2	6.23	As per norms	-

40. Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	-	61 lit/hr.	61 lit/hr.
41. Source of Fuel		Bharat Petroleum Corporation Limited or Hindustan Petroleum		



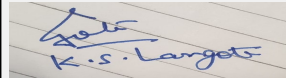
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42.Mode of Transportation of fuel to site		By Roadway		
43.Green Belt Development	Total RG area :	RG on the ground: 1532.50 m ² + 162.40 m ² = 1694.9 m ² & RG on the podium :1064.30 m ²		
	No of trees to be cut :	-		
	Number of trees to be planted :	219 Nos.		
	List of proposed native trees :	-		
	Timeline for completion of plantation :	Before completion of buildings		
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	Phyllanthus emblica	Amla	09	Medicinal plant
2	Mangifera indica	Mango	19	Edible fruit, Bird attracting species.
3	Ficus glomerata	Umber	22	Medicinal value, Edible fruits, Bird attracting species
4	Swietenia mahagani	Mahogany	48	Evergreen tropical tree
5	Apathodea campanulata	African Tulip	33	Ornamental tree, showy reddish-orange flowers
6	Syzygium cumini	Jambhul	04	Edible fruit, Bird attracting species
7	Terminalia catappa	Indian Almond	24	Edible fruit, Bird attracting species
8	Annona reticulate	Netted custard apple	14	Edible fruit, Bird attracting species
9	Polyalthic longifolia	Ashoka tree	41	Evergreen tropical tree
10	Roystonea regia	Royal palm tree	05	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		-	-	
47.Energy				



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Power requirement:	Source of power supply :	MSEDCL (Maharashtra State of Electricity Distribution Company Ltd.)
	During Construction Phase: (Demand Load)	30 KW
	DG set as Power back-up during construction phase	01 No. x 40 KVA
	During Operation phase (Connected load):	2401 KVA
	During Operation phase (Demand load):	1921 KVA
	Transformer:	04 Nos. x 22KV/630 KVA
	DG set as Power back-up during operation phase:	01 No. x 160 KVA & 1 No. x 125 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	No

48. Energy saving by non-conventional method:

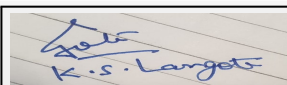
- Solar Water Heating Systems Will Be Done for Bathrooms.
- Solar lights will be provided for common amenities like Street lighting & Garden lighting.
- CFL & LED based lighting will be done in the common areas, landscape areas, signage's, Entry gates and boundary compound walls etc.
- Auto Timer Switches will be provided for Street lights, Garden lights, Parking & staircase Lights & Other Common Area Lights, for saving electrical energy.
- Water Level Controllers with Timers will be used for Water Pumps.
- To create awareness to end consumer or flat owner, for using energy efficient light fittings like CFL, T5 Lamps & LED Lights.
- Detail calculations & % of saving: 502744 KWH / Year & 3.10 %/day

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1) LED Lamp & Fitting For Common Areas i.e. Bldg. Parking, Staircase, Passage & Terrace Floor.	20685.28 KWH/Annum
2	Up Lighter - Light Fitting For Landscape Area	175.2 KWH/Annum
3	Bollard Lighter - Light Fitting For Landscape Area	306.6 KWH/Annum
4	Solar Street Light Fitting - Pole Light On Road Side	2409 KWH/Annum
5	Street Light on the Bldg.	2168.1 KWH/Annum
6	Energy Saving by Solar Hot Water System.	477000 KWH/Annum

50. Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air	Barricating the site	Green belt will be developed.

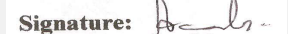


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Water	-	STP will be installed & excess treated water used for flushing & gardening
Noise	Noise monitoring has done in once a fortnight	Traffic management plan to be prepared. Acoustically enclosed DG set will be brought & installed.
Solid Waste	-	Wet Waste will be treated in OWC. STP sludge will be Used as Manure after treatment in OWC Dry Waste will be given to SWACH

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 51 Lakh
	O & M cost:	Rs. 1.15 Lakh / Year

51.Environmental Management plan Budgetary Allocation

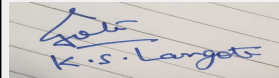
a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water for Dust Suppression, Air & Noise Monitoring	0.50 Lakh/Year
2	Water Environment	Tanker Water for Construction, Water Monitoring	0.50 Lakh/Year
3	Land Environment	Site Sanitation -Mobile toilets	0.50 Lakh/Year
4	Socio-economic	Disinfection- Pest Control, First Aid Facilities, Health Check Up, Creches For Children, Food for children, Personal Protective Equipment	1.00 Lakh/Year

b) Operation Phase (with Break-up):

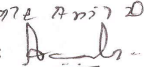
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	1	STP	32.50	4.20
2	2	RWH	14.00	1.00
3	3	MSW	16.75	5.80
4	4	Solar System	51.00	1.15
5	5	Landscape	47.00	2.00
6	6	Swimming Pool	59.00	2.40
7	7	Safety Equipments	10.00	2.00
8	8	Post EC Monitoring	-	2.50
9	9	Dry Waste Management	-	2.59

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


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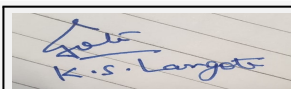
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	-
Parking details:	Number and area of basement:	NA
	Number and area of podia:	Included in total parking area
	Total Parking area:	9077.98 m2
	Area per car:	30.24 m2
	Area per car:	30.24 m2
	Number of 2-Wheelers as approved by competent authority:	904
	Number of 4-Wheelers as approved by competent authority:	232
	Public Transport:	-
	Width of all Internal roads (m):	6.00
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8(a)
	Court cases pending if any	Yes, Court case No. 3811/2014
	Other Relevant Informations	-



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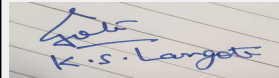
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	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-
SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS		
Summarised in brief information of Project as below.		
Brief information of the project by SEAC		
<p>Environment Clearance for Construction project Shonest Tower at S. No. 175/3, (172/2) Wakad Link Road, Next to Omega Paradise, Behind hotel Sayaji , Wakad ,Tal- Mulshi , by M/s Sanskruti & Essen Associates.</p> <p>PP submitted their application for prior Environmental clearance for total plot area of 20900.00 Sq. Mtrs, BUA of 47491.36 Sq. Mtrs and FSI area of 25303.77 Sq. Mtrs. PP proposes to construct 8 no. residential & commercial building.</p>		
DECISION OF SEAC		
<p><i>PP remains absent.</i></p> <p><i>committee decided to defer the proposal and consider a fresh.</i></p> <p>Specific Conditions by SEAC:</p>		
FINAL RECOMMENDATION		
SEAC-III decided to defer the proposal till PP submits the additional information as per above conditions within 30 days		



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Agenda for 67 th SEAC-3 Meeting. (Day-1)

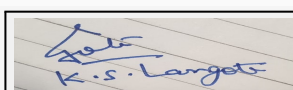
SEAC Meeting number: 67 Meeting Date August 19, 2018

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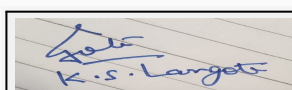
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Wing A	P + Stilt + 6 Floors	23.70
2	Wing B	P + Stilt + 9 Floors	33.75
3	Wing C	P + Stilt + 9 Floors	33.75
4	Wing D	P + Stilt + 9 Floors	33.75
5	Wing E	P + Stilt + 9 Floors	33.75
6	Wing F	P + Stilt + 9 Floors	33.75
7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

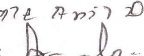
32.Total Water Requirement



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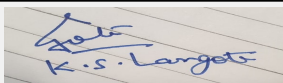
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Dry season:	Source of water	PCMC							
	Fresh water (CMD):	139							
	Recycled water - Flushing (CMD):	67							
	Recycled water - Gardening (CMD):	6							
	Swimming pool make up (Cum):	Not Applicable							
	Total Water Requirement (CMD) :	211							
	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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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	
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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

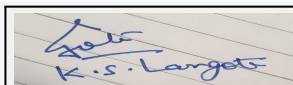
Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	Not applicable	6.5-8.0	6.5-8.0	Not applicable
2	Total Suspended solids	mg/l	200	10	50
3	BOD	mg/l	300	10	10
4	COD	mg/l	400	30	250
5	Nitrogen	mg/l	40-50	5-10	Not applicable
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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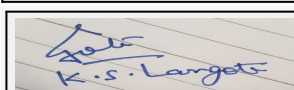
40.Details of Fuel to be used

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				

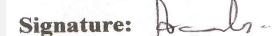


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46.Number and list of shrubs and bushes species to be planted in the podium RG:

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%

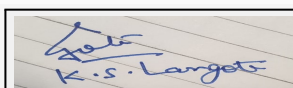
49.Detail calculations & % of saving:

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

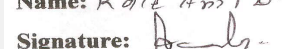
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	5100000
	O & M cost:	248000



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51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

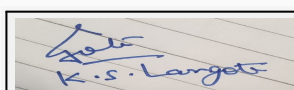
Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Erosion control	Dust suppression measures & barricading	5.0
2	Site Safety	Nets, Barricade	2.0
3	Site Sanitation	Public toilets	2.0
4	Disinfection & health check up	For Labour	2.0
5	Environmental Monitoring	STP, OWC	1.20

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)

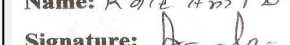
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable



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52.Any Other Information

No Information Available

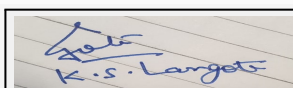
53.Traffic Management

	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.

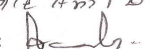
Brief information of the project by SEAC



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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

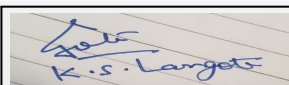
PP requested for time to submit above information; after deliberations committee asked PP to comply with the above observations and submit information to the committee for further discussion and consideration of SEAC.

Specific Conditions by SEAC:

- 1) PP to submit details for E-Waste quantity and NOC for the same.
- 2) PP to submit CFO NOC.
- 3) PP to submit an indemnity bond for project land.
- 4) PP to submit water supply NOC.
- 5) PP to submit cross section through UGT with top of tank, and maintain some distance above the ground level.
- 6) PP to submit a cross section showing invert level of sewer trap and final level of municipal sewer line.
- 7) 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.
- 8) PP to provide mandatory RG area on virgin land and submit the drawing with calculations
- 9) PP to submit energy saving calculation along with terrace area calculations
- 10) PP to submit details of CER activities in consultation with the affected people in the project area as per MoEF& CC circular dated 1/05/2018.
- 11) PP to submit details hydro geological survey report with graphs & data along with RWH details and recharge pit.
- 12) PP to submit revised fire tender movement plan width 7.5 m at all point and include slop 1:10.
- 13) PP to submit revised parking layout and parking statement

FINAL RECOMMENDATION

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



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Agenda for 67 th SEAC-3 Meeting. (Day-1)

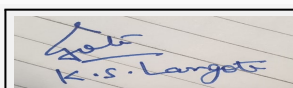
SEAC Meeting number: 67 Meeting Date August 19, 2018

Subject: Environment Clearance for Residential Project "Akshar Altorios" at Sr. No. 172/1+2+3+4+5/3, 172/6+7+8/2, 174/5,174/6, Village Hadapsar, Taluka: Haveli, District: Pune, Maharashtra by Mr. Arethiya Kanjinhai Dharamshi.

Is a Violation Case: No

1.Name of Project	"Akshar Altorios"
2.Type of institution	Private
3.Name of Project Proponent	Mr. Arethiya Kanjinhai Dharamshi, Director
4.Name of Consultant	Ultra-Tech
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	We had completed construction for Building A,B C & club house. We have completed 14826.63 m2 area. Being Construction Area less than 20,000 m2 the Environment Clearance was not applicable.
8.Location of the project	Sr. No. 172/1+2+3+4+5/3, 172/6+7+8/2, 174/5,174/6
9.Taluka	Haveli
10.Village	--
Correspondence Name:	Office No. 225, Big Splash, Plot No. 78 &79, Sector 17, Vashi, Navi Mumbai-400705
Room Number:	office No. 225
Floor:	Floor 2nd
Building Name:	Big Splash
Road/Street Name:	Sector 17, Vashi, Navi Mumbai-400705
Locality:	Mumbai
City:	Mumbai
11.Area of the project	PMC
12.IOD/IOA/Concession/Plan Approval Number	Approved Layout Plan
	IOD/IOA/Concession/Plan Approval Number: No. PRH/NASR/65/2013
	Approved Built-up Area: 15470.83
13.Note on the initiated work (If applicable)	Work has been initiated. We had completed construction for Building A,B C & club house. We have completed 14826.63 m2 area. Being Construction Area less than 20,000 m2 the Environment Clearance was not applicable. No Work initiated for proposed D building and Amenity building.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Approved Layout Plan vide no. PRH/NASR/65/2013 dated 24/6/2013.
15.Total Plot Area (sq. m.)	13550.0
16.Deductions	2352.98
17.Net Plot area	10077.32
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 12943.94
	b) Non FSI area (sq. m.): 15404.77
	c) Total BUA area (sq. m.): 28348.71
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 8365.75 Sq. m
	Approved Non FSI area (sq. m.): 7105.08 Sq. m
	Date of Approval: 24-06-2013
19.Total ground coverage (m2)	2122.48
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	15.66 %
21.Estimated cost of the project	716000000

22.Number of buildings & its configuration



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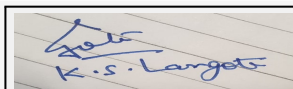
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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)	
1	A	P+12	37.05	
2	B	LP+UP+12	37.05	
3	C	LP+UP+10	31.35	
4	D	LP+UP+12	37.35	
5	Amenity Building	P+03	14.60	
6	Club House	G+01	7.45	
23.Number of tenants and shops	195 Tenements + Multipurpose hall			
24.Number of expected residents / users	Residential :975, Commercial :283 Total: 1258			
25.Tenant density per hectare	150.46			
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	Yes, We had completed construction for Building A,B C & club house. We have completed 14826.63 m2 area.			
30.Details of the demolition with disposal (If applicable)	NA			
31.Production Details				
Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable
32.Total Water Requirement				



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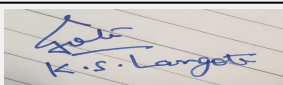
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Dry season:	Source of water	Grampanchayat /PMC								
	Fresh water (CMD):	89 m3/day								
	Recycled water - Flushing (CMD):	33 m3/day								
	Recycled water - Gardening (CMD):	6 m3/day								
	Swimming pool make up (Cum):	7 m3/day								
	Total Water Requirement (CMD) :	135 m3/day								
	Fire fighting - Underground water tank(CMD):	250 m3/day								
	Fire fighting - Overhead water tank(CMD):	5 FOR A, B & D BUILDING, 25 FOR C BUILDING AS PER FIRE NOC								
	Excess treated water	74 m3/day								
Wet season:	Source of water	Grampanchayat /PMC								
	Fresh water (CMD):	89 m3/day								
	Recycled water - Flushing (CMD):	33 m3/day								
	Recycled water - Gardening (CMD):	0 m3/day								
	Swimming pool make up (Cum):	7 m3/day								
	Total Water Requirement (CMD) :	129 m3/day								
	Fire fighting - Underground water tank(CMD):	250 m3/day								
	Fire fighting - Overhead water tank(CMD):	5 FOR A, B & D BUILDING, 25 FOR C BUILDING AS PER FIRE NOC								
	Excess treated water	80 m3/day								
Details of Swimming pool (If any)	1 No. -Main Pool Size: 8m x 16 m x 1.2 m depth, Area of swimming pool -131 m2									
33.Details of Total water consumed										
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)			
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total	
Fresh water requirement	NA	89	89	NA	9	9	NA	80	80	
Domestic	NA	33	33	NA	0	0	NA	33	33	
Gardening	NA	6	6	NA	6	6	NA	0	0	



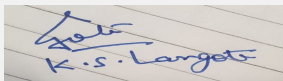
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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	1.5-4m
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	6 Nos.
	Size of recharge pits :	1.9 m DIA X 2.0 m DEPTH
	Budgetary allocation (Capital cost) :	Rs. 6.00 Lakhs
	Budgetary allocation (O & M cost) :	RS. 0.3 Lakhs/Annum
	Details of UGT tanks if any :	Domestic UG tank Capacity (cum) :180 Flushing UG tank Capacity(cum): 39.2 Fire UG tank Capacity (cum): 250
35.Storm water drainage	Natural water drainage pattern:	N to S
	Quantity of storm water:	1154.4 cum/hr.
	Size of SWD:	450 mm dia
Sewage and Waste water	Sewage generation in KLD:	119 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	1 No. 150 KLD
	Location & area of the STP:	Near Amenity Building 120 m2
	Budgetary allocation (Capital cost):	Rs. 30.00 Lakhs
	Budgetary allocation (O & M cost):	Rs. 3 Lakhs/Annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	15 kg/day
	Disposal of the construction waste debris:	used for back filling and reused
Waste generation in the operation Phase:	Dry waste:	234 kg/day
	Wet waste:	319 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	20 kg/day
	Others if any:	NA



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Mode of Disposal of waste:	Dry waste:	Handed over to Authorized Agency
	Wet waste:	treated in Organic waste Converter
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	used as manure after treatment in OWC.
	Others if any:	NA
Area requirement:	Location(s):	Near amenity building
	Area for the storage of waste & other material:	54 m2
	Area for machinery:	54 m2
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 4.00 Lakhs
	O & M cost:	Rs. 0.4 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

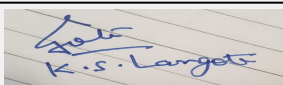
39. Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	1	HSD	2	5	0.075	350 degree C

40. Details of Fuel to be used

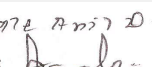
Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable

41. Source of Fuel	Authorized Dealer
42. Mode of Transportation of fuel to site	By Road


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43.Green Belt Development	Total RG area :	1569.78 Sq. m
	No of trees to be cut :	NA
	Number of trees to be planted :	158
	List of proposed native trees :	158
	Timeline for completion of plantation :	1 year

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

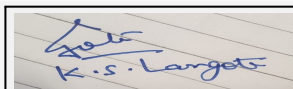
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Manikarazapota	Chikoo	10	Tropical fruit tree & bird attracting tree
2	Micheliachampaca	Champa	20	Evergreen timber plant, ornamental
3	Mimusopeselengi	Bakul	10	Evergreen tree, timber yielding and medicinal plant
4	Ficusbenjamina	Weeping fig	16	Evergreen & bird attracting tree
5	Cassia fistula	Golden shower	15	Drought tolerant, ornamental & medicinal plant
6	Buteamonosperma	Flame tree	12	Used in pesticide & dye preparation
7	Cassia grandis	Pink shower	14	Drought tolerant, ornamental & medicinal plant
8	Saracaindica	Sitaashok	10	Evergreen medicinal plant
9	Roystonearegia	Royal palm	12	Nitrogen fixer, ornamental plant
10	Syzygiumcumini	Jambhul	10	fruit tree & bird attracting
11	Neolamarkiacadamba	Kadamba	15	Tropical fruit tree & bird attracting tree
12	Mangiferaindica	Mango tree	14	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	NA	NA	NA

47.Energy



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Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	As per requirement
	DG set as Power back-up during construction phase	60 KW
	During Operation phase (Connected load):	1427 KW
	During Operation phase (Demand load):	657 KW
	Transformer:	630 KVA- 1 NO. & 315 KVA -1 No.
	DG set as Power back-up during operation phase:	160 KVA -2 Nos.
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48. Energy saving by non-conventional method:

1. Energy efficient led lamps which give approx. 30% more light output for the same watts consumed and therefore require less nos. Of fixtures and corresponding lower point wiring costs.
2. 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.
3. 30Ltrs. solar hot water per flat is considered. Total 51 nos. solar hot water panels are considered.
4. Total 20 nos. solar panels, each 0.35 kwp = Total 7 kwp is proposed.

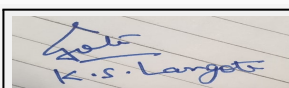
49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Saving due to LED lamp	4.14 %
2	Saving Due to Electronic Blast	3.4 %
3	Saving due to Timer	12.69 %
4	Saving due to high efficient AC , lifts,pumps/motors etc	14.26 %
5	Saving due to solar energy 1% of Demand load	0.36 %
6	Total savings	35 %

50. Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
STP-1 No.	STP provided	STP provided
OWC-2 Nos.	1 OWC Provided	1 OWC Proposed
DG set-2 Nos.	DG set-2 Nos. provided	DG set-2 Nos.-Provided

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 20 Lakhs
	O & M cost:	Rs. 2 Lakhs/Annum



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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	Water For Dust Suppression , Air & Noise Monitoring	1.56
2	Water	Tanker Water For Construction, water monitoring	2.04
3	Land	Site Sanitation- Mobile toilets	5.44
4	Biological	Gardening Set Up and top soil preservation	1.5
5	Socio- Economic Environment	Disinfection- Pest Control, First Aid Facilities,Health Check Up, Creches For Children, Personal Protective Equipment , CFL Lamp for hutment	3.27

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	1 no STP provided	30.00	3.00
2	Rain Water Harvesting	6 nos. pit provided	6.00	0.30
3	Solid Waste Management	1 no OWC Provide and 1 proposed	4.00	0.40
4	Green Belt Development	RG provided	15.00	0.50
5	Energy	Energy	20.00	2.00
6	Swimming Pool	1 No.	20.00	2.00
7	Environmental Monitoring	Environmental Monitoring	00	16.95

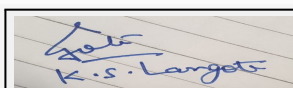
51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

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

52.Any Other Information

No Information Available

53.Traffic Management



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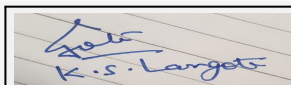
Shri. Anil Kale (Chairman SEAC-III)

	Nos. of the junction to the main road & design of confluence:	one
Parking details:	Number and area of basement:	1 No. 2191.89 m ²
	Number and area of podia:	NA
	Total Parking area:	4436.80 Sq. m (3240.0 Sq. m + 816.0 Sq. m + 380.80 Sq. m)
	Area per car:	Open - 25 m ² , Covered - 30 m ²
	Area per car:	Open - 25 m ² , Covered - 30 m ²
	Number of 2-Wheelers as approved by competent authority:	Scooter - 272 Bi-Cycle - 272
	Number of 4-Wheelers as approved by competent authority:	108
	Public Transport:	NA
	Width of all Internal roads (m):	9 m wide
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8a (B2)
	Court cases pending if any	No
	Other Relevant Informations	Work has been initiated. We had completed construction for Building A, B, C & club house. We have completed 14826.63 m ² area. Being Construction Area less than 20,000 m ² the Environment Clearance was not applicable. No Work initiated for proposed D building and Amenity building.
	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

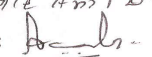


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Environment Clearance for Residential Project at Sr. No. 172/1+2+3+4+5/3, 172/6+7+8/2, 174/5,174/6 Haveli,Pune by M/s. Akshar Altorios.

PP submitted their application for prior Environmental clearance for total plot area of 13550 Sq. Mtrs, BUA of 28348.71 Sq. Mtrs and FSI area of 12943.94 Sq. Mtrs. PP proposes to construct 4 no. residential building,1 amenity building & 1 club house.

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

DECISION OF SEAC

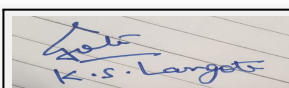
PP requested for time to submit above information; after deliberations committee asked PP to comply with the above observations and submit information to the committee for further discussion and consideration of SEAC.

Specific Conditions by SEAC:

- 1) PP to submit approved copy of plan showing the approval of swimming pool, club house constructed in mandatory RG.
- 2) PP to provide mandatory RG area on virgin land and submit the drawing with calculations
- 3) PP to submit architect certificate for area constructed at site.
- 4) PP to submit sewer line NOC.
- 5) PP to submit details of existing sewer line with correct diameter.
- 6) PP to submit details hydro geological survey report with graphs & data along with RWH details and recharge pit.
- 7) PP to submit cross section through UGT with top of tank, and maintain some distance above the ground level.
- 8) PP to submit a cross section showing invert level of sewer trap and final level of municipal sewer line.
- 9) PP to submit details for E-Waste quantity and NOC for the same.
- 10) PP to submit CFO NOC.
- 11) PP to submit water supply NOC.
- 12) PP to submit phase wise programme considering wind rose diagram.
- 13) PP to submit debris management plan.
- 14) PP to provide all environmental infrastructure/parameter to existing building.
- 15) PP to submit an indemnity bond for project land.
- 16) PP to submit water supply NOC.
- 17) PP to submit energy saving calculation along with terrace area calculations.
- 18) PP to submit details of CER activities in consultation with the affected people in the project area as per MoEF& CC circular dated 1/05/2018.
- 19) PP to submit revised fire tender movement plan width 7.5 m at all point and include slop 1:10.
- 20) PP to submit revised parking layout and parking statement

FINAL RECOMMENDATION

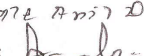
SEAC-III decided to defer the proposal till PP submits the additional information as per above conditions within 30 days



**K.S.Langote (Secretary
SEAC-III)**

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SEAC-III)**

Agenda for 67 th SEAC-3 Meeting. (Day-1)

SEAC Meeting number: 67 Meeting Date August 19, 2018

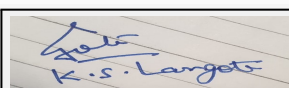
Subject: Environment Clearance for Residential project

Is a Violation Case: No

1.Name of Project	K Bellaza
2.Type of institution	Private
3.Name of Project Proponent	Vishal Kothari
4.Name of Consultant	Pollution & Ecology control services .Near Dhantoli Police station Dhantoli Nagpur
5.Type of project	Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Gat. No.124 (New), 121 (Old)
9.Taluka	Pirangut
10.Village	Mulshi
Correspondence Name:	Vishal kothari
Room Number:	S.NO.692/A/A, FLAT NO -7
Floor:	-
Building Name:	Motibaug
Road/Street Name:	Pune-Satara Road Bibvewadi
Locality:	Pune city
City:	pune
11.Area of the project	PMRDA
12.IOD/IOA/Concession/Plan Approval Number	In conformity with Development Control rules
	IOD/IOA/Concession/Plan Approval Number: -
	Approved Built-up Area: 31811.06
13.Note on the initiated work (If applicable)	Nil
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	13273.39
16.Deductions	0
17.Net Plot area	13273.39
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 19573.6
	b) Non FSI area (sq. m.): 12237.42
	c) Total BUA area (sq. m.): 31811.06
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): Proposed FSI area - 19573.64
	Approved Non FSI area (sq. m.): Proposed Non FSI Area- 12237.42
	Date of Approval: 01-01-1900
19.Total ground coverage (m2)	3385.7
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	25.51 %
21.Estimated cost of the project	554900000.00

22.Number of buildings & its configuration

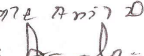
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
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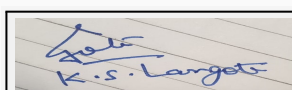
1	A1	LP + UP + 13	41.55
2	A2	LP + UP + 13	41.55
3	B1	LP + UP + 13	40.20
4	B2	LP + UP + 13	40.20
5	Amenity Building	G + 2	12.25
6	Club House	G + 1	-

23.Number of tenants and shops	No of tenants- 352 No. of shops- 14 shops in wing A1 & shops in commercial space of amenity Building
24.Number of expected residents / users	No. of residents- 1760 No of Commercial Users- 356
25.Tenant density per hectare	266
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	30 M
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	Nil
30.Details of the demolition with disposal (If applicable)	Nil

31.Production Details

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

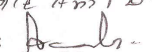
32.Total Water Requirement



K.S.Langote (Secretary SEAC-III)

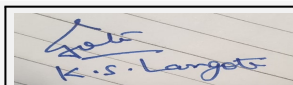
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Dry season:	Source of water	Grampanchayat Pirangut							
	Fresh water (CMD):	165.52							
	Recycled water - Flushing (CMD):	88.1							
	Recycled water - Gardening (CMD):	7.97							
	Swimming pool make up (Cum):	0.00							
	Total Water Requirement (CMD) :	261.59							
	Fire fighting - Underground water tank(CMD):	200							
	Fire fighting - Overhead water tank(CMD):	20							
	Excess treated water	157.55							
Wet season:	Source of water	Grampanchayat Pirangut							
	Fresh water (CMD):	165.52							
	Recycled water - Flushing (CMD):	88.1							
	Recycled water - Gardening (CMD):	0.00							
	Swimming pool make up (Cum):	0.00							
	Total Water Requirement (CMD) :	253.62							
	Fire fighting - Underground water tank(CMD):	200							
	Fire fighting - Overhead water tank(CMD):	20							
	Excess treated water	165.52							
Details of Swimming pool (If any)	Nil								
33.Details of Total water consumed									
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable



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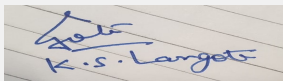
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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	15 M
	Size and no of RWH tank(s) and Quantity:	1 No. of RWH tank of 23 Cum
	Location of the RWH tank(s):	Collection in Raw Water Tank
	Quantity of recharge pits:	4
	Size of recharge pits :	2 X 2 X 2.5
	Budgetary allocation (Capital cost) :	2.60 Lac
	Budgetary allocation (O & M cost) :	0.11 Lac P. A
	Details of UGT tanks if any :	Domestic UG Tank Capacity- 249 KLD Flushing UG Tank Capacity- 49 KLD Fire UG Tank Capacity- 200 KLD
35.Storm water drainage	Natural water drainage pattern:	North to south
	Quantity of storm water:	6418.93 Cum
	Size of SWD:	450 mm to 600 mm
Sewage and Waste water	Sewage generation in KLD:	Residential - 237.6 KLD Commercial - 16.02 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	2- Nos of STP 250 KLD & 17 KLD
	Location & area of the STP:	Shown on plan
	Budgetary allocation (Capital cost):	36 Lac
	Budgetary allocation (O & M cost):	3.96 Lac
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	4 Kg/Day
	Disposal of the construction waste debris:	To be disposed through authorized agency and recyclers.
Waste generation in the operation Phase:	Dry waste:	387.6 Kg/Day
	Wet waste:	569.83 Kg/Day
	Hazardous waste:	Negligible
	Biomedical waste (If applicable):	Nil
	STP Sludge (Dry sludge):	24.03 Kg/Day
	Others if any:	Nil



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Mode of Disposal of waste:	Dry waste:	Through Authorized agencies
	Wet waste:	In-Situ by Composting
	Hazardous waste:	Through Authorized agency
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	In-situ by composting
	Others if any:	Through Authorized agency
Area requirement:	Location(s):	Marked on plan
	Area for the storage of waste & other material:	73 Sqm
	Area for machinery:	Considered in above area
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	12.02 LAc
	O & M cost:	2 Lac P. A

37. Effluent Characteristics

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

38. Hazardous Waste Details

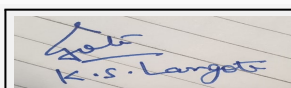
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39. Stacks emission Details

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

40. Details of Fuel to be used

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



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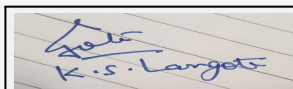
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43.Green Belt Development	Total RG area :	1327.34 Sqm
	No of trees to be cut :	0
	Number of trees to be planted :	190
	List of proposed native trees :	listed below
	Timeline for completion of plantation :	Before completion of the project

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Ailanthusexcelsa	Maharukh	07	Medicinal value, Drought tolerant species.
2	Albizialebek	Shirish	07	Medicinal for Skin, Fragrant flowers, To control soil erosion, Bird attracting species (Para kids eat seeds).
3	Choclospermumreligiosum	Sonsawar	10	Medicinal value,Native species
4	Cordiadichotoma	Bhokar	7	Medicinal value, Edible fruits,
5	Bauhiniablackiana	Kanchanraj	7	Every part of the plant is medicinal, Drought tolerant species.
6	Ficusglomerata	Umber	7	Medicinal value, Edible fruits, Bird attracting species
7	Buteamonosperma	Palas	7	Medicinal value, Bird attracting species , To control soil erosion.
8	Syzygiumcumini	Jamun	7	Medicinal value, Edible fruit.
9	Anthocephaluskadamba	Kadamb	6	Medicinal value, To control soil erosion, Birds, squirrels, monkey eat fruits.
10	Azardirachtaindica	Neem	15	Medicinal value, To control soil erosion. To improve soil erosion
11	Dalbergiasissoo	Shisav	7	Medicinal value, Bird attracting species ,
12	Ficusarnottiana	Payar	7	Drought tolerant species, Bird attracting species. To control soil erosion.
13	Bauhiniapurpurea	Gulabikanchan	7	Every part of the plant is medicinal , Drought tolerant species.
14	Ficusretusa	Nandruk	4	Medicinal value, Bird attracting species, Drought tolerant species, Hardy plant.
15	Pongamiapinnata	Karanj	4	Medicinal value, Drought tolerant species, To control soil erosion, Hardy plant.
16	Mangiferaindica	Mango	4	Edible fruit, Bird attracting species.
17	Micheliachampaca	Sonchafa	7	Medicinal value, Fragrant flowers, Butterfly larvae host plant, Bird attracting species, Fast growing.



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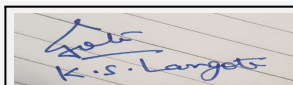
18	Phyllanthusemblica	Awala	4	Medicinal value, To control soil erosion.
19	Saracaindica	Sita-ashok	7	Medicinal value, Religious plant.
20	Cassiafistula	Bahawa	7	Medicinal value, Drought tolerant species, Very ornamental, Well flowering plant, Honey bee attracting species, Host plant for Butterfly.
21	Azardirachtaindica	Neem	4	Medicinal value, To control soil erosion. To improve soil erosion
22	Bahuniaracemosa	Apta	4	Every part of the plant is medicinal, Drought tolerant species.
23	Murrayakoengii	Kadipatta	4	Medicinal value, Edible leaves.
24	Aeglemarmelos	Bel	4	Medicinal value, Drought tolerant species.
25	Putrnjivaroxburghii	Putrnjiva	4	Medicinal value, Drought tolerant species,
26	Roystoniaregia	Bottle Palm	4	Ornamental plant, Medicinal value, Birds & bats eat fruits.
27	Gmelinaarborea	Shivan	4	Medicinal value, Drought tolerant species, Bird attracting species.
28	Mimosupselengii	Bakul	4	Fragrant flowers, Medicinal value, To control soil erosion.
29	Caryotaurens	Fishtail palm	4	Grown in any type of soil. Very Hardy.
30	Citrusspecies	Lemon	4	Medicinal value, Edible fruit.
31	Nyctanthusarbortristis	Parijatak	4	Fragrant flowers, Medicinal value,
32	Dalbergiasissoo	Shisav	4	Medicinal value, Bird attracting species ,
33	Erythrinaindica	Pangara	4	Fragrant flowers, Drought tolerant species, Birds attracting

45.Total quantity of plants on ground

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

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

47.Energy

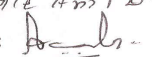


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Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	60 KW
	DG set as Power back-up during construction phase	30 KVA
	During Operation phase (Connected load):	1309.46 KW
	During Operation phase (Demand load):	1063.02 KVA
	Transformer:	2 Nos of 630 KVA
	DG set as Power back-up during operation phase:	1 No. of 125 KVa
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48. Energy saving by non-conventional method:

1. Solar water Heater
2. Solar street Lights
3. Solar PV Generation

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar Water Heater	10.76 %
2	Solar Street Light	0.138 %
3	Solar PV Generation	0.096 %
4	TOTAL	11 %

50. Details of pollution control Systems

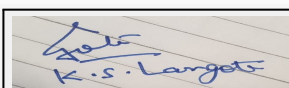
Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	34.60
	O & M cost:	0.71

51. Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Site Sanitation & safety	Health & Safety	0.60
2	Environment Monitoring	Air, water, Noise	1.80
3	Disinfection	Health & Safety	0.50



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4	Health Checkup	Health & Safety	0.50
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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	Pits	2.60	0.11
2	Sewage Generated	STP	36.00	3.96
3	Solid Waste	Composting	12.02	2
4	Green Belt development	Tree Plantation	25.90	4.15
5	Energy	Non conventional	39.0	0.8
6	Monitoring	-	0.00	1.80

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

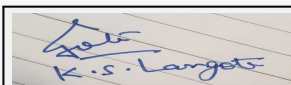
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Two junctions with sufficient width provided for incoming and outgoing cars separately to avoid traffic congestion
Parking details:	Number and area of basement:	0
	Number and area of podia:	2 Nos
	Total Parking area:	6163 Sqm
	Area per car:	12.5 Sqm
	Area per car:	12.5 Sqm
	Number of 2-Wheelers as approved by competent authority:	665 Nos
	Number of 4-Wheelers as approved by competent authority:	26 Nos
	Public Transport:	Not proposed in the project
	Width of all Internal roads (m):	9 M

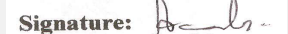


K.S.Langote (Secretary SEAC-III)

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	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	8(a)
	Court cases pending if any	No
	Other Relevant Informations	No
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summarised in brief information of Project as below.

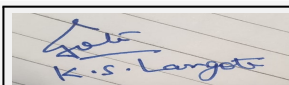
Brief information of the project by SEAC

Environment Clearance for Residential project at Gat. No.124 (New), 121 (Old) , Mulshi,Tal- Pirangut,Pune by M/s. K Bellaza.

PP submitted their application for prior Environmental clearance for total plot area of 13273.39 Sq. Mtrs, BUA of 31811.06 Sq. Mtrs and FSI area of 19573.6 Sq. Mtrs. PP proposes to construct 4 no. residential building,1 amenity building & 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.

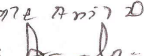
DECISION OF SEAC



K.S.Langote (Secretary SEAC-III)

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Shri. Anil Kale (Chairman SEAC-III)

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.

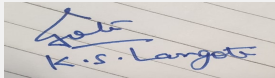
Specific Conditions by SEAC:

- 1) PP to submit debris management plan.
- 2) PP to submit sewer line NOC.
- 3) PP to submit water supply NOC.
- 4) 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.
- 5) PP to submit energy saving calculation along with terrace area calculations.
- 6) PP to submit details of CER activities in consultation with the affected people in the project area as per MoEF& CC circular dated 1/05/2018.

FINAL RECOMMENDATION

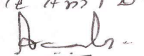
SEAC-III decided to defer the proposal till PP submits the additional information as per above conditions within 30 days

SEAC-AGENDA-00000000117


**K.S.Langote (Secretary
SEAC-III)**

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

Agenda for 67 th SEAC-3 Meeting. (Day-1)

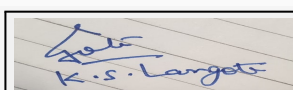
SEAC Meeting number: 67 Meeting Date August 19, 2018

Subject: Environment Clearance for Proposed Building Construction Project "Laxmi Nagar" At S. No. - 387/1/1, 387/2A/1, Village - Talegaon Dabhade Tal. - Maval Dist. Pune, By M/S V. S. Kalbhor & Company

Is a Violation Case: No

1.Name of Project	Proposed Building Construction Project "Laxmi Nagar" At S. No. - 387/1/1, 387/2A/1, Village - Talegaon Dabhade Tal. - Maval Dist. Pune, By M/S V. S. Kalbhor & Company
2.Type of institution	Private
3.Name of Project Proponent	M/s V. S. Kalbhor & Company
4.Name of Consultant	MITCON Consultancy & Engineering Services Ltd. Agriculture College Campus, Next to DIC office, Shivajinagar, Pune 411005
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	NA
8.Location of the project	S. No. - 387/1/1, 387/2A/1, Lake Paradise, Opp. CRPF, Pune- Mumbai Highway
9.Taluka	Maval
10.Village	Talegaon Dabhade
Correspondence Name:	Mr. Ajinkya Vitthal Kalbhor
Room Number:	Sr. No. 425, 427/2, 430, Lake Paradise, Opp. CRPF, Pune- Mumbai Highway
Floor:	Sr. No. 425, 427/2, 430
Building Name:	Lake Paradise, Opposite CRPF
Road/Street Name:	Pune- Mumbai Highway
Locality:	Talegaon Dabhade
City:	Tal. Maval, Dist. - Pune 410 507
11.Area of the project	Talegaon Dabhade Nagarparishad
12.IOD/IOA/Concession/Plan Approval Number	Applied IOD/IOA/Concession/Plan Approval Number: Applied Approved Built-up Area: 50242.22
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Applied
15.Total Plot Area (sq. m.)	42880.00 Sqm
16.Deductions	14673.23 Sqm
17.Net Plot area	28206.77 Sqm
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 37758.77 Sqm b) Non FSI area (sq. m.): 12483.45 Sqm c) Total BUA area (sq. m.): 50242.22
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)	6853.00 Sqm
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	25 %
21.Estimated cost of the project	900000000

22.Number of buildings & its configuration



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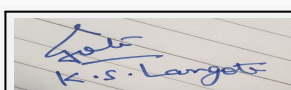
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A1	P+10	31.50
2	A2	P+10	31.50
3	A3	P+10	31.50
4	A4	P+10	31.50
5	A5	P+10	31.50
6	B1	P+10	31.50
7	B2	P+10	31.50
8	B3	P+10	31.50
9	C1	G	4.95
10	C2	G+1	7.80

23.Number of tenants and shops	Number of Tenements: 624 nos
24.Number of expected residents / users	3120 nos.
25.Tenant density per hectare	222
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 meters
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 meters
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	NA	NA	NA	NA

32.Total Water Requirement



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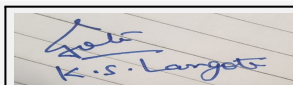
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Shri. Anil Kale (Chairman SEAC-III)

Dry season:	Source of water	Talegaon Dabhade Nagarparishad
	Fresh water (CMD):	284
	Recycled water - Flushing (CMD):	143
	Recycled water - Gardening (CMD):	30
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	457
	Fire fighting - Underground water tank(CMD):	400
	Fire fighting - Overhead water tank(CMD):	160
	Excess treated water	212
Wet season:	Source of water	Talegaon Dabhade Nagarparishad
	Fresh water (CMD):	284
	Recycled water - Flushing (CMD):	143
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	427
	Fire fighting - Underground water tank(CMD):	400
	Fire fighting - Overhead water tank(CMD):	160
	Excess treated water	242
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
Fresh water requirement	NA	284	284	NA	28	28	NA	256	256
Domestic	NA	143	143	NA	14	14	NA	129	129
Gardening	NA	30	30	NA	30	30	NA	0	0



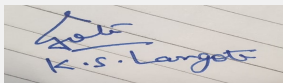
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Shri. Anil Kale (Chairman SEAC-III)

34.Rain Water Harvesting (RWH)	Level of the Ground water table:	Pre monsoon 5.2 meter bgl
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	8 nos.
	Size of recharge pits :	2 m x 2m x 2 m
	Budgetary allocation (Capital cost) :	Rs. 5.34 Lakh
	Budgetary allocation (O & M cost) :	Rs. 0.25 Lakh/annum
	Details of UGT tanks if any :	Domestic water tank : 430 cum Fire water tank : 400 cum
35.Storm water drainage	Natural water drainage pattern:	Overflow/surplus water from the recharge pit will be discharged into storm water drainage
	Quantity of storm water:	1175 m3/hr
	Size of SWD:	450 mm
Sewage and Waste water	Sewage generation in KLD:	385 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	STP 1: 160 m3 / day , STP 2: 260 m3 / day; Total capacity of STP 420 m3 / day
	Location & area of the STP:	STP 1: 160 m3 / day near B1 building , STP 2: 260 m3 / day near A5 building
	Budgetary allocation (Capital cost):	Rs 67.0 Lakh
	Budgetary allocation (O & M cost):	Rs. 9.0 Lakh/annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Total quantity of excavation: 11819 cum
	Disposal of the construction waste debris:	Quantity of backfill from excavated earth: 4730 cum, Quantity of earthwork used in site leveling/reclamation: 7090 cum., Quantity of excess earthwork to be disposed off outside site: Nil
Waste generation in the operation Phase:	Dry waste:	312 kg/day
	Wet waste:	936 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	22 kg/day
	Others if any:	NA



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Mode of Disposal of waste:	Dry waste:	Handed over to authorized recycler for further handling & disposal purpose
	Wet waste:	Through Organic Waste Convertor. Generated manure will be used for gardening
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be used as manure for gardening purpose
	Others if any:	NA
Area requirement:	Location(s):	Near building A5 & B3
	Area for the storage of waste & other material:	60 sqm
	Area for machinery:	20 sqm
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 20.0 Lakh
	O & M cost:	Rs. 2.5 Lakh/annum

37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	NA	NA	NA	NA	NA
Amount of effluent generation (CMD):		NA			
Capacity of the ETP:		NA			
Amount of treated effluent recycled :		NA			
Amount of water send to the CETP:		NA			
Membership of CETP (if require):		NA			
Note on ETP technology to be used		NA			
Disposal of the ETP sludge		NA			

38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	NA	NA	NA	NA	NA	NA	NA

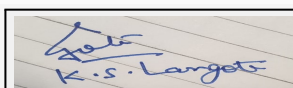
39. Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	2 nos X 125 kVA	48 liters/hr	2	3.0	0.1016	553 Deg C

40. Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD for DG Set backup	NA	48 liters/hr	48 liters/hr

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



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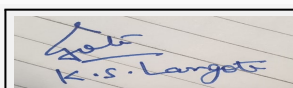
43.Green Belt Development	Total RG area :	5263.11 Sqm
	No of trees to be cut :	NO. NA
	Number of trees to be planted :	536 nos.
	List of proposed native trees :	As below
	Timeline for completion of plantation :	At the time of completion

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Albizia lebeck	Shirish	25	Shady tree, yellowish green fragrant flowers
2	Azadiracta indica	Neem	25	Large tree, good for roadside plantation
3	Ailanthus excelsa	Maharukh	25	Large tree, good for roadside plantation
4	Ficus retusa	Nandruk	25	Shady tree, good for roadside plantation
5	Pongamia pinnata	Karanj	35	Shady tree.
6	Saraca asoka	Sita Ashok	40	Shady tree with red-yellow flowers
7	Anthocephallus cadamba	Kadamb	25	Shady, large tree, ball shaped flowers.
8	Cassia fistula	Bahava	45	Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plant
9	Mimusops elengi	Bakul	35	Shady tree, small white fragrant flowers
10	Nyctanthes arbortristis	Parijatak	35	Small deciduous fast growing tree, beautiful flowerers.
11	Lagerstroemia flosregineae	Tamhan	35	State flower tree of Maharashtra Medium sized tree, beautiful purple flowers
12	Murraya paniculata	Kunti	35	Small tree, Fragrant white flowers, Butterfly host plant
13	Erythrina indica	Pangara	25	Medium sized deciduous tree. Bright scarlet flowers.
14	Butea monosperma	Palas	25	Medium sized deciduous tree. Beautiful orange flowers, Butterfly host plant
15	Caryota urens	Fish tail palm	35	Tall evergreen tree
16	Michelia champaca	Son chafa	41	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
17	Mangifera indica	Amba	25	Fruit bearing tree
18	Total	-	536	-

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	NA	NA	NA

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	1 nos. x 62.5 KVA
	During Operation phase (Connected load):	2800 KW
	During Operation phase (Demand load):	1440 KW
	Transformer:	3 nos x 630 KVA
	DG set as Power back-up during operation phase:	2 nos. x 125 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	110 KV

48. Energy saving by non-conventional method:

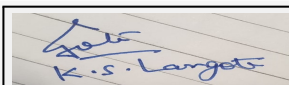
Street lighting load on LED: 6 KW
 Solar photovoltaic generation @ 1% connected load: 14 KW
 Solar water heating system @ 20% hot water demand: 78,000 lit
 Common area lighting with LED bulbs: 8 KW
 Energy efficient pumps.
 Timer for Staircase lighting, Lift Lobby, Parking area and street lights.

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Low power high efficiency CFL/LED lights in Land-scpe & Street lights.	6570 KWH
2	Low power high efficiency T5/LED lights for Parking & Lobby Area.	31156 KWH
3	Low power high efficiency CFL/LED lights in Solar Street Lights.	10512 KWH
4	Energy saving by solar water heater.	1091376 KWH
5	Total of all Savings for (per year)	1139614 KWH
6	Total of all Savings for (per Day)	3122 KWH
7	Total Energy Consumption With Energy Saving Measure	43200 KWH
8	Persantage Saving.	7.2 %

50. Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
--------	-----------------------------------	--------------------------



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Sewage	NA	STP
Solid waste	NA	OWC

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	30 Lakh
	O & M cost:	1.7 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	Water for Dust Suppression	0.50
2	Sanitation & Safety	Site Sanitation & Safety	0.20
3	Environmental Monitoring	Air, water, soil, noise	1.0
4	Disinfection	Disinfection	1.0
5	Health	Health Check up	0.75

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Water	Rain Water Harvesting	5.34	0.25
2	Sewage	Sewage Treatment Plant	67.0	9.0
3	Solid waste	Organic Waste Composting	20.0	2.5
4	Tree Plantation	Tree Plantation/landscaping	30.0	3.0
5	Energy	Energy saving (Solar PV + Solar water heating System)	30.0	1.7
6	Environment Monitoring	Air, water, soil, noise	NA	0.50

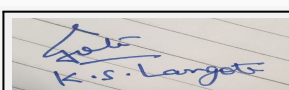
51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)

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



K.S.Langote (Secretary SEAC-III)

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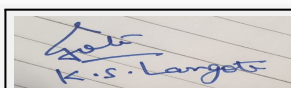
Shri. Anil Kale (Chairman SEAC-III)

	Nos. of the junction to the main road & design of confluence:	1
Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	5565.80 Sqm
	Area per car:	12.5 sqm
	Area per car:	12.5 sqm
	Number of 2-Wheelers as approved by competent authority:	1029 nos
	Number of 4-Wheelers as approved by competent authority:	223 nos
	Public Transport:	Available
	Width of all Internal roads (m):	Minimum 6 meters
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8(a) Building and Construction projects
	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.

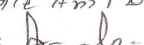
Brief information of the project by SEAC



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Signature: 

Shri. Anil Kale (Chairman SEAC-III)

**Environment Clearance for Proposed Building Construction Project
"Laxmi Nagar" At S. No. - 387/1/1,387/2A/1, Village - Talegaon
Dabhade Tal. - Maval Dist. Pune, By M/S V. S. Kalbhor & Company.**

PP submitted their application for prior Environmental clearance for total plot area of 42880.00 Sq. Mtrs, BUA of 50242.22 Sq. Mtrs and FSI area of 37758.77 Sq. Mtrs. PP proposes to construct 10 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

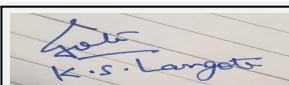
SEAC decided to recommend the proposal for prior environmental Clearance, subject to PP complying with the above conditions.

Specific Conditions by SEAC:

- 1) PP to submit details of socioeconomic infrastructure of project vicinity.
- 2) PP to submit parking statement.
- 3) PP to submit phase wise programme considering wind rose diagram.
- 4) PP to submit details of CER activities in consultation with the affected people in the project area as per MoEF& CC circular dated 1/05/2018.
- 5) PP to submit water supply NOC.
- 6) PP to submit parking statement i.e. commercial and residential should be separate.

FINAL RECOMMENDATION

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



**K.S.Langote (Secretary
SEAC-III)**

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

Agenda for 67 th SEAC-3 Meeting. (Day-1)

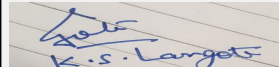
SEAC Meeting number: 67 Meeting Date August 19, 2018

Subject: Environment Clearance for Construction Project "FINSWELL" at S. No. 208/1A, Lohegaon, Viman nagar, Tal. Haveli, Dist. Pune by M/s. LMS Realty

Is a Violation Case: No

1.Name of Project	Construction Project "FINSWELL" at S. No. 208/1A, Lohegaon, Viman nagar, Tal. Haveli, Dist. Pune by M/s. LMS Realty
2.Type of institution	Private
3.Name of Project Proponent	M/s. LMS Realty
4.Name of Consultant	MITCON Consultancy and Engineering Services Ltd. Agriculture College Campus, Next to DIC office, Shivaji Nagar, Pune. 411 005
5.Type of project	Residential & commercial 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	NA
8.Location of the project	S. No. 208/1A, Lohegaon, Viman nagar, Tal. Haveli, Dist. Pune
9.Taluka	Haveli
10.Village	Lohegaon
Correspondence Name:	Mr Abhinandan N. Sakla
Room Number:	Survey No. 232/1+2, plot no 116, flat no. 1,
Floor:	Ground floor
Building Name:	Yash Residency
Road/Street Name:	Sakhore nagar road
Locality:	Sakhore nagar, Viman nagar
City:	Pune
11.Area of the project	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Sanction plan received from Pune Municipal Corporation IOD/IOA/Concession/Plan Approval Number: Applied Approved Built-up Area: 24749.86
13.Note on the initiated work (If applicable)	Total construction done till date 14,957 as per CC/0959/11 dated 15/06/2011, CC no. CC/2954/16 DATE 21/12/2016 and CC No. CC/3793/2016 Date 31/03/2017
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Applied
15.Total Plot Area (sq. m.)	8100.0 Sq.m.
16.Deductions	3091.83 sqm
17.Net Plot area	5008.17. sqm
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 12463.63 Sq.m. b) Non FSI area (sq. m.): 12985.86 Sq.m. c) Total BUA area (sq. m.): 25449.49
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)	1408.64 sqm
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	28 (%)
21.Estimated cost of the project	450000000

22.Number of buildings & its configuration



K.S.Langote

K.S.Langote (Secretary SEAC-III)

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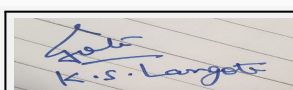
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Name: K. Anil Kale

Signature: 

Shri. Anil Kale (Chairman SEAC-III)

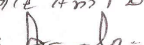
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)	
1	A BLDG	B1+B2+P1+P2+P3+10 FLOORS	41.20 M	
2	B BLDG	B+G+P+12 FLOORS	41.95 M	
3	D1 BLDG	P+6 FLOORS	19.95 M	
23.Number of tenants and shops	Tenements - 72 nos., 138 offices			
24.Number of expected residents / users	1421 nos. users			
25.Tenant density per hectare	89 Tenements/ 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))	18 m road			
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 meter			
29.Existing structure (s) if any	Construction done till date is 2909.45 SQM which is D1 building and parking slab for A building, as per CC no. CC/0959/11 dated 15/06/2011 and CC no. CC/2954/16 DATE 21/12/2016.			
30.Details of the demolition with disposal (If applicable)	NA			
31.Production Details				
Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable
32.Total Water Requirement				



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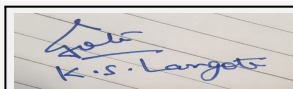
Name: K. S. Langote
Signature: 

Shri. Anil Kale (Chairman SEAC-III)

Dry season:	Source of water	Pune Municipal Corporation
	Fresh water (CMD):	71.2
	Recycled water - Flushing (CMD):	43.41
	Recycled water - Gardening (CMD):	12
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	126.61
	Fire fighting - Underground water tank(CMD):	139.0
	Fire fighting - Overhead water tank(CMD):	40.0
	Excess treated water	52.59
Wet season:	Source of water	Pune Municipal Corporation
	Fresh water (CMD):	71.2
	Recycled water - Flushing (CMD):	43.41
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	114.61
	Fire fighting - Underground water tank(CMD):	139.0
	Fire fighting - Overhead water tank(CMD):	40.0
	Excess treated water	64.59
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
Fresh water requirement	10.8	60.48	71.2	1.08	6.05	7.13	9.72	54.43	64.15
Domestic	5.4	38.01	43.41	0	0	0	5.4	38.01	43.41
Gardening	0	12	12	0	12	12	0	0	0




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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	Pre-monsoon water level 13.20 BGL, Post Monsoon 8.20 BGL	
	Size and no of RWH tank(s) and Quantity:	NA	
	Location of the RWH tank(s):	NA	
	Quantity of recharge pits:	4 nos.	
	Size of recharge pits :	2m × 2m × 2m	
	Budgetary allocation (Capital cost) :	10.0 Lac	
	Budgetary allocation (O & M cost) :	2.36 Lac/annum	
	Details of UGT tanks if any :	Residential Water tank: 40000 lit Residential domestic & fire tank: 64000 lit Raw water tank : 10000 lit Commercial Water tank: 40000 lit fire tank: 75000 lit Drinking water tank : 20000 lit	
35.Storm water drainage	Natural water drainage pattern:	Overflow/surplus water from the recharge pit will be discharged into storm water drainage	
	Quantity of storm water:	5.29 m3/hr	
	Size of SWD:	300 mm	
Sewage and Waste water	Sewage generation in KLD:	108 KLD	
	STP technology:	MBBR	
	Capacity of STP (CMD):	STP 1: 50m3/day, STP 2: 70 m3/day	
	Location & area of the STP:	STP1 (73Sqm) near Building A and STP2 (101Sqm) near Building B	
	Budgetary allocation (Capital cost):	47.0 Lac	
	Budgetary allocation (O & M cost):	13.70 Lac/annum	
36.Solid waste Management			
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Total quantity of excavation- 12650 cum; Quantity of backfill from excavated earth- 3200 cum; Quantity of earthwork used in site leveling/reclamation- 2400 cum;	
	Disposal of the construction waste debris:	Excavated soil & murum will be used for landscaping, roads & backfilling	
Waste generation in the operation Phase:	Dry waste:	232 kg/day	
	Wet waste:	219 kg/day	
	Hazardous waste:	NA	
	Biomedical waste (If applicable):	NA	
	STP Sludge (Dry sludge):	14.75 kg/day	
	Others if any:	NA	
K.S.Langote (Secretary SEAC-III)	SEAC Meeting No: 67 Meeting Date: August 19, 2018	Page 86 of 154	Signature:  Shri. Anil Kale (Chairman SEAC-III)

Mode of Disposal of waste:	Dry waste:	Handed over to authorized recycler for further handling & disposal purpose
	Wet waste:	Through Organic Waste Convertor. Generated manure will be used for gardening
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be used as manure for gardening purpose
	Others if any:	NA
Area requirement:	Location(s):	Near Building B
	Area for the storage of waste & other material:	55 Sq.m
	Area for machinery:	25 Sq.m
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	10.0 Lac
	O & M cost:	2.36 Lac/annum

37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	NA	NA	NA	NA	NA
Amount of effluent generation (CMD):		NA			
Capacity of the ETP:		NA			
Amount of treated effluent recycled :		NA			
Amount of water send to the CETP:		NA			
Membership of CETP (if require):		NA			
Note on ETP technology to be used		NA			
Disposal of the ETP sludge		NA			

38. Hazardous Waste Details

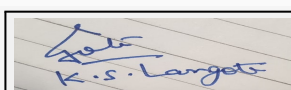
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	NA	NA	NA	NA	NA	NA	NA

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	1 nos. x 380 KVA	HSD, 76 liter/hr	1	7	0.1524	475 °C
2	1 nos. x 750 KVA	HSD, 150 liter/hr	1	10	0.2032	520 °C

40. Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	NA	226	226
41. Source of Fuel		Authorized Vendors		
42. Mode of Transportation of fuel to site		Road		



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43.Green Belt Development	Total RG area :	693.23 sqm
	No of trees to be cut :	Nil
	Number of trees to be planted :	33 no plantation done + 68 nos. proposed = total 101 nos.
	List of proposed native trees :	As below.
	Timeline for completion of plantation :	Before completion

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

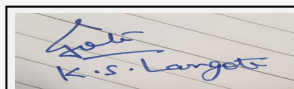
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadiracta indica	Neem	9	Large tree, good for roadside plantation
2	Erythrina indica	Pangara	12	Medium sized deciduous tree. Bright scarlet flowers.
3	Millingtonia hortensis	Indian cork tree	13	A columnar, evergreen tree, grows well in both moist & dry region
4	Populus	Khaya	10	Vertical roadside tree
5	Ailanthus excelsa	Maharukh	13	Large tree, good for roadside plantation
6	Largerstromia flos-regineae	Tamhan	11	State flower tree of Maharashtra Medium sized tree, beautiful purple flowers
7	Existing plantation done	-	33	-

45.Total quantity of plants on ground

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

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

47.Energy



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Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	50 kVA
	DG set as Power back-up during construction phase	1 nos. 63 kVA
	During Operation phase (Connected load):	1632.5 KVA
	During Operation phase (Demand load):	1247 KVA
	Transformer:	2nos X 630KVA
	DG set as Power back-up during operation phase:	1 nos. x 380 KVA+ 1 nos. x 750 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48. Energy saving by non-conventional method:

Solar PV pannels 1% of the connected load 16 KW

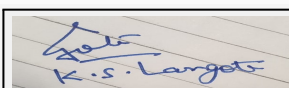
49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Common area lighting using LED electronic drive and additional 10 % using timers	21900.00 kWh
2	Garden Energy saving measures using LED street lights	10950.00 kWh
3	Lift load Energy Saving measures using V3F Drive	3670.99 kWh
4	Pump Load Energy Saving Measure using level controllers and efficient pumps	4894.65 kWh
5	Energy Consumed / Annum in the absence of energy saving method (in Kwh)	163401.38 kWh
6	Total Energy Consumption / Annum (in Kwh) with energy saving method	121985.74 kWh
7	Total savings in power because of power saving methods	41415.64 kWh
8	Percentage of saving	25.35 %

50. Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Waste water	NA	Sewage Treatment Plant
Solid waste	NA	Organic Waste Converter

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	12 Lac
	O & M cost:	0.25 Lac/annum

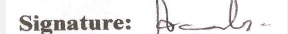


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51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air pollution	Water for Dust Suppression	1.00
2	Sanitation & Safety	Site Sanitation & Safety	2.50
3	Environmental Monitoring	Air, water, soil, noise	1.25
4	Disinfection	Disinfection	1.25
5	Health	Health Check up	0.50
6	Total	-	6.50

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Water	Rain Water Harvesting	2.66	0.08
2	Sewage	Sewage Treatment Plant	47.00	13.70
3	Organic Waste	Organic Waste Composting	10.0	2.36
4	Plantation	Tree Plantation	10.0	2.0
5	Energy	Solar PV	12.0	0.25
6	Environment Monitoring	Air, water, soil, noise	-	1.25
7	Total	-	81.66	19.64

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

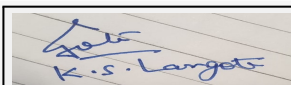
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
NA	NA	NA	NA	NA	NA	NA	NA

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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K.S.Langote (Secretary SEAC-III)

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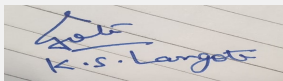
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Parking details:	Number and area of basement:	A building - 2 basements, A building- 1 basement
	Number and area of podia:	NA
	Total Parking area:	3984.40 sqm
	Area per car:	12.5 sqm
	Area per car:	12.5 sqm
	Number of 2-Wheelers as approved by competent authority:	441 nos
	Number of 4-Wheelers as approved by competent authority:	238 nos
	Public Transport:	Available
	Width of all Internal roads (m):	Minimum 6 meter
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8(a) Building and Construction projects
	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 Construction Project "FINSWELL" at S. No. 208/1A, Lohegaon, Viman nagar, Tal.Haveli, Dist. Pune by M/s. LMS Realty.

PP submitted their application for prior Environmental clearance for total plot area of 8100.00 Sq. Mtrs, BUA of 25449.49 Sq. Mtrs and FSI area of 12463.63 Sq. Mtrs. PP proposes to construct 3 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

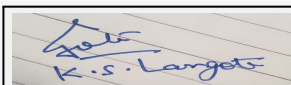
PP requested for time to submit above information; after deliberations committee asked PP to comply with the above observations and submit information to the committee for further discussion and consideration of SEAC.

Specific Conditions by SEAC:

- 1) PP to submit clarification regarding maximum potential time to time.
- 2) PP to submit details/undertaking for entire C& D waste will be used with in site.
- 3) PP to submit details for E-Waste quantity and NOC for the same.
- 4) PP to shift STP. Location should be on ground and open to sky.
- 5) PP to submit details of socioeconomic infrastructure of project vicinity.
- 6) PP to submit NOC from concern authority to lay sewer line. And submit plan of sewer line connectivity up to final disposal point.
- 7) PP to submit CFO NOC.
- 8) 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.
- 9) PP to submit water supply NOC.
- 10) PP to submit energy saving calculation along with terrace area calculations.
- 11) PP to submit details of CER activities in consultation with the affected people in the project area as per MoEF& CC circular dated 1/05/2018.

FINAL RECOMMENDATION

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



**K.S.Langote (Secretary
SEAC-III)**

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

Agenda for 67 th SEAC-3 Meeting. (Day-1)

SEAC Meeting number: 67 Meeting Date August 19, 2018

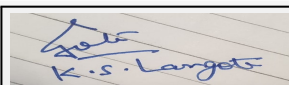
Subject: Environment Clearance for Construction Project by M/s Amalfi Realty Pvt Ltd.

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

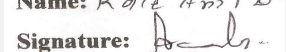
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
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K.S.Langote (Secretary SEAC-III)

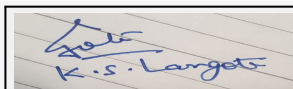
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1	Block - A	B+G+3	17.65	
2	Block - B	B+G+5	22.00	
3	Block - C	B+G+3	15.10	
4	Block - D	B+G+5	21.95	
5	Block - E	B+LG+G+3	18.50	
23.Number of tenants and shops	No. of Tenements: NA Shops: 34 Nos. Showrooms: 07 Nos. F & B: 01 No. Offices: 60 Nos.			
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				



K.S.Langote (Secretary SEAC-III)

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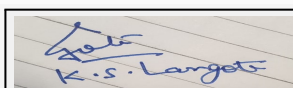
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Name: K. S. Anil Kale

Signature: [Handwritten Signature]

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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



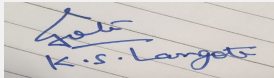
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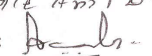
Name: K. Anil Kale
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Shri. Anil Kale (Chairman SEAC-III)

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

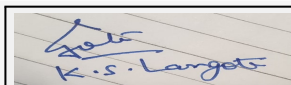
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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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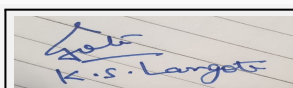
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41.Source of Fuel	Bharat Petroleum Corporation Limited or Hindustan Petroleum	
42.Mode of Transportation of fuel to site	By Roadway	
43.Green Belt Development	Total RG area :	4912.82 m2
	No of trees to be cut :	NA
	Number of trees to be planted :	634 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

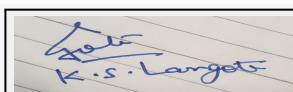
46.Number and list of shrubs and bushes species to be planted in the podium RG:

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

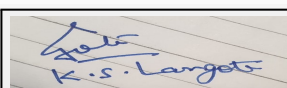
Source	Existing pollution control system	Proposed to be installed
Air	-	Green belt will be Provided.
Water	-	STP will be installed & excess treated water used for flushing & gardening
Noise	-	Noise monitoring will be done in once a fortnight.Traffic management plan to be prepared. Acoustically enclosed 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)

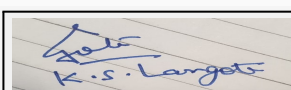
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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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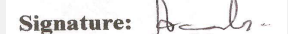


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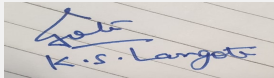
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Parking details:	Number and area of basement:	01No. - 8255.24 m2
	Number and area of podia:	-
	Total Parking area:	18821.80 m2
	Area per car:	42.58 m2
	Area per car:	42.58 m2
	Number of 2-Wheelers as approved by competent authority:	1326
	Number of 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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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

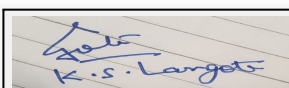
PP requested for time to submit above information; after deliberations committee asked PP to comply with the above observations and submit information to the committee for further discussion and consideration of SEAC.

Specific Conditions by SEAC:

- 1) PP to submit approved plan for stack parking as per DC rule otherwise same would be removed and submit alternate arrangement.
- 2) PP to shift proposed substation and bio gas plant with in the plot which is proposed in future development plot.
- 3) PP to submit parking statement
- 4) PP to submit sewer line NOC.
- 5) PP to submit a cross section showing invert level of sewer trap and final level of municipal sewer line.
- 6) PP to submit fire tender movement plan.
- 7) PP to submit revised debris management plan.
- 8) PP to submit cross section of building showing parking layout plan with ram width and slope.
- 9) PP to submit basement ventilation plan.
- 10) PP to submit phase wise programme considering wind rose diagram.
- 11) 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.
- 12) PP to submit cross section through UGT with top of tank, and maintain some distance above the ground level.
- 13) PP to provide mandatory RG area on virgin land and submit the drawing with calculations.
- 14) PP to submit site specific EMP considering details of maintenance of biogas plant during operation phase.
- 15) PP to submit plan for sewer line connectivity up to final disposal point.
- 16) PP to submit revised list of trees by adding local tree species.
- 17) PP to submit six monthly compliance report.
- 18) PP to submit energy saving calculation along with terrace area calculations.
- 19) PP to submit details of CER activities in consultation with the affected people in the project area as per MoEF& CC circular dated 1/05/2018.
- 20) PP to submit all NOC,s i.e. Drainage, Water supply, CFO,E-waste.

FINAL RECOMMENDATION

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



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SEAC-III)**

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Agenda for 67 th SEAC-3 Meeting. (Day-1)

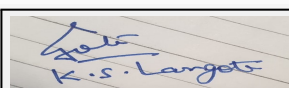
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Subject: Environment Clearance for Proposed Residential & Commercial Development project "Royal Oak" by M/s. Lifestyle Developments

Is a Violation Case: No

1.Name of Project	Proposed Residential & Commercial Development project "Royal Oak" by M/s. Lifestyle Developments
2.Type of institution	Private
3.Name of Project Proponent	Mr. Yashwant Sawant
4.Name of Consultant	J M EnviroNet Pvt Ltd
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. 136, Wakad, Tal. Mulshi, Pune.
9.Taluka	Mulshi
10.Village	Wakad
Correspondence Name:	Ms. Sayali Jagtap
Room Number:	F3
Floor:	First Floor
Building Name:	Dindayal Nagar
Road/Street Name:	Medical college road, Behind Bharati Vidyapeeth
Locality:	Katraj
City:	Pune.
11.Area of the project	Pimpri Chinchwad Municipal Corporation(PCMC)
12.IOD/IOA/Concession/Plan Approval Number	Part sanction received. IOD/IOA/Concession/Plan Approval Number: 17.02.2017 Approved Built-up Area: 5384.40
13.Note on the initiated work (If applicable)	Total constructed area on site : 5384.40 sq. m (FSI + Non FSI)
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	8470 sq.m
16.Deductions	1080.46 sq.m
17.Net Plot area	7389.54 sq.m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 12515.51 sq. m b) Non FSI area (sq. m.): 11463.17 sq.m c) Total BUA area (sq. m.): 23978.68
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)	2402.85
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	23.68 %
21.Estimated cost of the project	520300000

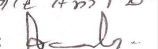
22.Number of buildings & its configuration



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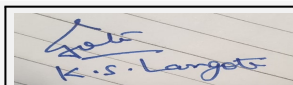
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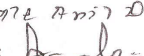
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)	
1	Wing A1	GP+8 Floors	27.00 m	
2	Wing A2	GP+UP+8 Floors	30.00 m	
3	Wing A3	GP+UP+8 Floors	30.00 m	
4	Wing B1	GP+8 Floors	27.00 m	
5	Wing B2	GP+8 Floors	27.00 m	
6	MHADA Building + Commercial	GP+7 Floors	24.60 m	
7	Club house	G + 1 floor	6.90 m	
23.Number of tenants and shops		Residential + MHADA : 235 Commercial		
24.Number of expected residents / users		Residential + MHADA: 1175 nos. Commercial : 196 nos		
25.Tenant density per hectare		279 /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 6.3 m road which is attached to Mumbai-Pune highway from nearest Pradhikaran fire station Distance : 6.5 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				



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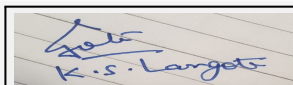
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Signature: 

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Dry season:	Source of water	PCMC							
	Fresh water (CMD):	109.67							
	Recycled water - Flushing (CMD):	57.77							
	Recycled water - Gardening (CMD):	7.77							
	Swimming pool make up (Cum):	0							
	Total Water Requirement (CMD) :	175.21							
	Fire fighting - Underground water tank(CMD):	300							
	Fire fighting - Overhead water tank(CMD):	20							
	Excess treated water	61.71							
Wet season:	Source of water	PCMC							
	Fresh water (CMD):	109.67							
	Recycled water - Flushing (CMD):	57.77							
	Recycled water - Gardening (CMD):	0							
	Swimming pool make up (Cum):	0							
	Total Water Requirement (CMD) :	167.45							
	Fire fighting - Underground water tank(CMD):	300							
	Fire fighting - Overhead water tank(CMD):	20							
	Excess treated water	69.48							
Details of Swimming pool (If any)	Not applicable								
33.Details of Total water consumed									
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable



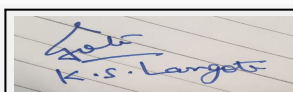
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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	7-10 BGL
	Size and no of RWH tank(s) and Quantity:	Not applicable
	Location of the RWH tank(s):	Not applicable
	Quantity of recharge pits:	03
	Size of recharge pits :	2 m x 2 m x 2 m
	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) : 181 m3 Flushing tank Capacity(cum): 59 m3 Fire UG tank Capacity (cum): 300 m3
35.Storm water drainage	Natural water drainage pattern:	North to South
	Quantity of storm water:	157.29 m3/hr
	Size of SWD:	450 mm dia
Sewage and Waste water	Sewage generation in KLD:	133.96
	STP technology:	MMBR technology
	Capacity of STP (CMD):	1 no. of STP : 140 KLD
	Location & area of the STP:	Area : 75 Sq. m
	Budgetary allocation (Capital cost):	Rs. 53,20,000 /-
	Budgetary allocation (O & M cost):	Rs. 12,66,575 /-
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 reused within site
Waste generation in the operation Phase:	Dry waste:	264.4 kg/day
	Wet waste:	372.1 kg/day
	Hazardous waste:	Negligible
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	11.97 kg/day
	Others if any:	Not Applicable



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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 on layout
	Area for the storage of waste & other material:	35 sq. m
	Area for machinery:	25 sq. m
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 13,00,000 /-
	O & M cost:	Rs. 2,84,171 /-

37. Effluent Characteristics

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

38. Hazardous Waste Details

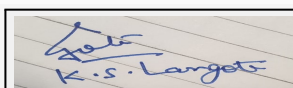
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39. Stacks emission Details

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

40. Details of Fuel to be used

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



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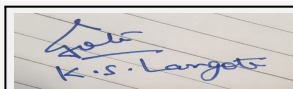
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43.Green Belt Development	Total RG area :	1295.52 Sq.m
	No of trees to be cut :	0
	Number of trees to be planted :	0
	List of proposed native trees :	104 trees
	Timeline for completion of plantation :	Up to completion of project

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	Neolamarckia cadamba	Kadamb	11	Large size , shady, ball shaped flowering tree.
2	Cassia fistula	Bahawa	10	Medium size deciduous tree, Draught tolerant, Beautiful yellow flower, butterfly host plant.
3	Bahunia purpurea	Kanchan	6	Medium size pink flowering tree.
4	Lagerstromia indica	Taman	8	State flower of Maharashtra, medium size tree with beautiful purple flower.
5	Michelia champaca	Sonchafa	11	Medium size evergreen tree. Fragrant yellow flowers, butterfly host plant.
6	Spathodea campanulata	Pitchkari	6	Medium size evergreen tree. Fragrant yellow flowers, butterfly host plant.
7	Azadirachta indica	Neem	5	Semi - evergreen tree with medicinal value.
8	Butea monosperma	Palash	6	Semi - evergreen tree with medicinal value.
9	Plumeria Acutifolia	Temple tree	6	Evergreen medium size white flowering tree, medicinal value.
10	Plumeria Rubra	Franjipani	8	Evergreen medium size white flowering tree, medicinal value.
11	Aegle marmelos	Bel	6	Spiritual and Medicinal value.
12	Emblica Officinalis	Awala	4	Medicinal plant, edible fruits, butterfly host tree.
13	Psidium guayava	Guava	4	Medium sized fruit bearing tree, medicinal plant-good source of calcium and vitamin C.
14	Achras sapota	Chikko	4	Medium sized fruit bearing tree, medicinal value, bird attracting tree
15	Annona squamosa	Sitaphal	3	Medium sized fruit bearing tree, medicinal value.
16	Mangifera indica	Mango	3	State tree of Maharashtra (Auspicious tree), greening & popular edible fruits, medicinal & butterfly host tree.



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17	Syzygium cumini	Jambhul	3	Medicinal value, edible fruits, butterfly host tree.
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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)	22 KW
	DG set as Power back-up during construction phase	50 KVA
	During Operation phase (Connected load):	1203.86 KW
	During Operation phase (Demand load):	803.57 KW
	Transformer:	1 x 630 kVA & 1 x 315 kVA
	DG set as Power back-up during operation phase:	200 kVA & 140 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	No

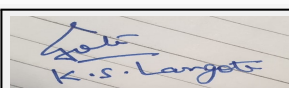
48.Energy saving by non-conventional method:

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)	21%

50.Details of pollution control Systems



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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. 66,05,000 /-
	O & M cost:	Rs. 13,18,800 /-

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. 26,500/-
2	Land	Site Sanitation	Rs. 44,000 /-
3	Health & safety	Site Safety	Rs. 44,000 /-
4	Health & safety	Disinfection and Health Check-ups	Rs. 1,51,000 /-
5	Environment management	Environmental Monitoring	Rs. 1,20,000/-

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Rain Water Harvesting	03 no's of pits	Rs. 3,00,000 /-	Rs. 60,000 /-
2	Sewage Treatment Plant	1 STP	Rs. 53,20,000 /-	Rs. 12,66,575 /-
3	Organic Waste Composting	1 OWC	Rs. 13,00,000 /-	Rs. 2,84,171/-
4	Tree Plantation	104 no's of trees	Rs. 38,86,560 /-	Rs. 2,90,400 /-
5	Energy saving	DG set+ Solar hot water system + Solar PV	Rs. 66,05,000 /-	Rs. 13,18,800 /-
6	Environment Monitoring	Environment management		Rs. 1,20,000/-

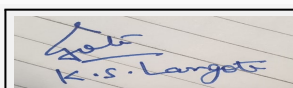
51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)

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



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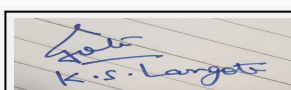
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	Nos. of the junction to the main road & design of confluence:	The project has access from Mumbai-Pune highway
Parking details:	Number and area of basement:	No
	Number and area of podia:	1 podium
	Total Parking area:	9578.6 Sq. m
	Area per car:	30 sq.m
	Area per car:	30 sq.m
	Number of 2-Wheelers as approved by competent authority:	512 no's
	Number of 4-Wheelers as approved by competent authority:	132 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.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorisred in brief information of Project as below.

Brief information of the project by SEAC

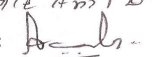


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Environment Clearance for Proposed Residential & Commercial Development project "Royal Oak" at S. No. 136, Wakad, Tal. Mulshi, Pune. by M/s. Lifestyle Developments.

PP submitted their application for prior Environmental clearance for total plot area of 8470 Sq. Mtrs, BUA of 26111.14 Sq. Mtrs and FSI area of 13000 Sq. Mtrs. PP proposes to construct 6 no. residential & commercial building (wings) + 1 club house.

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

DECISION OF SEAC

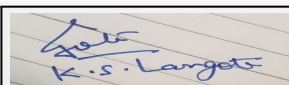
PP requested for time to submit above information; after deliberations committee asked PP to comply with the above observations and submit information to the committee for further discussion and consideration of SEAC.

Specific Conditions by SEAC:

- 1) PP to submit cross section through UGT with top of tank which is proposed below the ramp, and maintain some distance above the ground level.
- 2) PP to ensure commercial parking should be separate.
- 3) PP to submit debris management plan.
- 4) PP to submit all NOC,s i.e. Drainage, Water supply, CFO,E-waste.
- 5) PP to submit an undertaking that MHADA component will be a part of society.
- 6) PP to submit energy saving calculation along with terrace area calculations.
- 7) PP to submit details of CER activities in consultation with the affected people in the project area as per MoEF& CC circular dated 1/05/2018.

FINAL RECOMMENDATION

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



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Agenda for 67 th SEAC-3 Meeting. (Day-1)

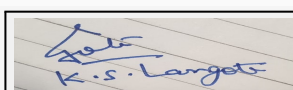
SEAC Meeting number: 67 Meeting Date August 19, 2018

Subject: Environment Clearance for Expansion of Residential & Commercial Construction Project

Is a Violation Case: No

1.Name of Project	Ayaan
2.Type of institution	Private
3.Name of Project Proponent	Mr. Yogesh Bafna
4.Name of Consultant	EMP Consultant ; 'Oasis Environmental Foundation' accredited by NABET, (The scope of consultancy is limited to preparation of Environment Management Plan only) in accordance with EIA Amendment Notification dated 3 March 2016
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in existing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Environment Clearance is partly obtained vide no. SEAC-III-2015/CR-88/TC-3 dated 11 August 2016
8.Location of the project	Gat. No. 1342 (P), 1343 (P)
9.Taluka	Haveli
10.Village	Wagholi
Correspondence Name:	Mr. Yogesh Bafana
Room Number:	NA
Floor:	NA
Building Name:	NA
Road/Street Name:	NA
Locality:	NA
City:	Pune
11.Area of the project	PMRDA
12.IOD/IOA/Concession/Plan Approval Number	Yes IOD/IOA/Concession/Plan Approval Number: Sanction plan approval No. BHA/CR. No. 257/17-18 dated 18.10.2017 Approved Built-up Area: 36487.3
13.Note on the initiated work (If applicable)	Construction as stipulated in the earlier EC is completed
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	13,855
16.Deductions	NA
17.Net Plot area	NA
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): Existing - 14737.42 sq.m , Proposed - 22280.84 sq.m b) Non FSI area (sq. m.): Existing - 13050.06 sq.m, Proposed - 21870.41 sq.m c) Total BUA area (sq. m.): 44151.25
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 19186.49 Approved Non FSI area (sq. m.): 17300.81 Date of Approval: 18-10-2017
19.Total ground coverage (m2)	5854 sq.m
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	42 %
21.Estimated cost of the project	700000000

22.Number of buildings & its configuration



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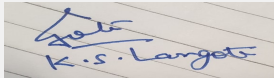
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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)	
1	B1 (Existing)	LP + UP + 12	39.50	
2	B2 (Existing)	Stilt + 12	39.50	
3	B3 (Proposed)	Stilt + 7	27.45	
4	B4 (Proposed)	Stilt + 7	26.70	
23.Number of tenants and shops		Existing - 274, Proposed - 253 Proposed Commercial - 7814.44		
24.Number of expected residents / users		Residential - 1265, Commercial - 896		
25.Tenant density per hectare		250		
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		Construction as stipulated in the earlier EC is completed		
30.Details of the demolition with disposal (If applicable)		NA		
31.Production Details				
Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	NA	NA	NA	NA
32.Total Water Requirement				



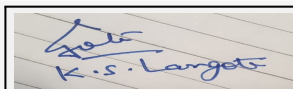
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Dry season:	Source of water	Grampanchayat Wagholi							
	Fresh water (CMD):	Existing - 123 KLD, Proposed - 131.7 KLD							
	Recycled water - Flushing (CMD):	Existing - 62 KLD, Proposed - 79.3 KLD							
	Recycled water - Gardening (CMD):	Existing - 8 KLD, Proposed - 9.3 KLD							
	Swimming pool make up (Cum):	NA							
	Total Water Requirement (CMD) :	220.3 KLD							
	Fire fighting - Underground water tank(CMD):	200 KL							
	Fire fighting - Overhead water tank(CMD):	20 KL							
	Excess treated water	101.36 KLD							
Wet season:	Source of water	Grampanchayat Wagholi							
	Fresh water (CMD):	Existing - 123 KLD, Proposed - 131.7 KLD							
	Recycled water - Flushing (CMD):	Existing - 123 KLD, Proposed - 79.3 KLD							
	Recycled water - Gardening (CMD):	NA							
	Swimming pool make up (Cum):	NA							
	Total Water Requirement (CMD) :	211 KLD							
	Fire fighting - Underground water tank(CMD):	200 KL							
	Fire fighting - Overhead water tank(CMD):	20 KL							
	Excess treated water	110.66 KLD							
Details of Swimming pool (If any)	NA								
33.Details of Total water consumed									
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Fresh water requirement	123 KLD	8.7 KLD	131.7 KLD	12.3 KLD	0.8 KLD	13.17 KLD	111 KLD	7.9 KLD	118.9 KLD
Gardening	8 KLD	1.3 KLD	9.3 KLD	8 KLD	1.3 KLD	9.3 KLD	NA	NA	NA



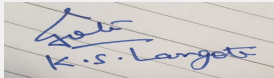
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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	50 m
	Size and no of RWH tank(s) and Quantity:	Size - 6.0 m X 3.0 m X 2.5 m , No. of RWH Tank - 1, Capacity - 45 KL
	Location of the RWH tank(s):	Please refer service location plan
	Quantity of recharge pits:	12
	Size of recharge pits :	3.5 m x 3.5 m x 1.5 m
	Budgetary allocation (Capital cost) :	26.0 Lakh
	Budgetary allocation (O & M cost) :	1.25 Lakh/yr.
	Details of UGT tanks if any :	Domestic water tank - 250 KL Fresh water tank - 186 KL Fire Tank - 200 KL
35.Storm water drainage	Natural water drainage pattern:	As per contour
	Quantity of storm water:	1048 m3/hr
	Size of SWD:	600 mm
Sewage and Waste water	Sewage generation in KLD:	189.96 KLD
	STP technology:	Phytorid & MBBR
	Capacity of STP (CMD):	Existing - STP - 157 KLD , Proposed - STP 2 - 40 KLD (MBBR)
	Location & area of the STP:	Please refer service location plan
	Budgetary allocation (Capital cost):	50.0 Lakh
	Budgetary allocation (O & M cost):	7.50 Lakh/yr
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	1 % of waste material
	Disposal of the construction waste debris:	Excavated earth material will be used for filling material for plinth area & top soil for landscaping
Waste generation in the operation Phase:	Dry waste:	387 Kg/day
	Wet waste:	469 Kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	20 Kg/day
	Others if any:	E waste : Residential - 632.5 kg/yr. Commercial - 896 kg/yr.



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Mode of Disposal of waste:	Dry waste:	Through authorized vendor
	Wet waste:	Through Mechanical composer
	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 service location plan
	Area for the storage of waste & other material:	OWC 1 - 12 sq.m, OWC 2 - 8.75 sq.m
	Area for machinery:	OWC 1 - 36 sq.m, OWC 2 - 26.25 sq.m
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	24 Lakh
	O & M cost:	5.65 Lakh/yr.

37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	NA	5.5 - 8.5	6.5 - 7.5	NA
2	BOD	mg/lit	200 - 250	< 5	Not to exceed 10
3	COD	mg/lit	320 - 450	< 100	Not to exceed 100
4	TSS	mg/lit	150 - 200	< 30	Not to exceed 50
5	Oil & Grease	mg/lit	10 - 15	< 10	--
6	TDS	mg/lit	---	< 1000	--
Amount of effluent generation (CMD):		NA			
Capacity of the ETP:		NA			
Amount of treated effluent recycled :		NA			
Amount of water send to the CETP:		NA			
Membership of CETP (if require):		NA			
Note on ETP technology to be used		NA			
Disposal of the ETP sludge		NA			

38. Hazardous Waste Details

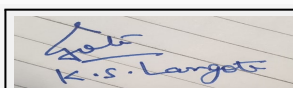
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	NA	NA	NA	NA	NA	NA	NA

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	NA	NA	NA	NA	NA	NA

40. Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total



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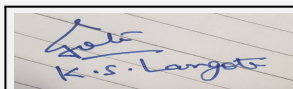
Name: K. Anil Kale
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1	Diesel	22.95	22.95	45.9
2	Diesel	NA	89.5	89.5
41.Source of Fuel		Na		
42.Mode of Transportation of fuel to site		NA		

43.Green Belt Development	Total RG area :	932.67 sq.m
	No of trees to be cut :	NA
	Number of trees to be planted :	175
	List of proposed native trees :	As per below list
	Timeline for completion of plantation :	1 yr.

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	Bauhinia purpurea	Kanchan	10	Large flowers, large, Evergreen.
2	Couroupita guianensis	Kailaspati	10	Large Tree , Medicinal use
3	Erythrina Indica	Pangara	10	Medium sized deciduous tree, bright scarlet flowers
4	Cassia fistula	Bahava	10	Medium sized deciduous tree. Beautiful yellow flowers, butterfly host plant.
5	Citru reticulate	Santra	10	Medium sized fruit bearing tree.
6	Psidium guajava	Peru	10	Small evergreen tree. Good for roadside plantation.
7	Azardiracta Indica	Neem	10	Large tree, fruit bearing, good for roadside plantation.
8	Mimusops elengi	Bakul	10	Large tree good for road side plantation.
9	Cassia glauca	Cassia	10	Tall shrub with yellow flowers.
10	Bauhinia blackania	Hong kong orchid	10	Large deciduous tree, flowers attract many birds.
11	Dillenia indica	Karmal	5	Large deciduous tree.
12	Bauhinia recemosa	Apta	5	Ornamental tree
13	Albizzia Lebbek	Shirish	5	Shady, large tree, ball shaped flowers.
14	Butea monosperma	Palas	5	Small deciduous tree. Dark orange colored flowers. Good for roadside plantation.
15	Nyctanthes arbortristis	Parijatak	5	Small deciduous tree. Small white colored, fragrant flowers.
16	Anthocephalus cadamba	Kadamb	5	Shady, large tree, ball shaped flowers.
17	Lagerstromia speciosa	Taman	5	State flower tree of Maharashtra, medium sized tree, beautiful purple colored flowers.



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18	Michelia Champaka	Pivla Chafa	5	Medium sized, evergreen Medium sized, evergreen tree, fragrant yellow flowers, butterfly host plant.
19	Swetania mohagani	Mohagani	5	Medium sized evergreen tree.
20	Saraca Indica	Sita ashoka	5	Evergreen medicinal plant
21	Pterospermum acerifolium	Muckhund	5	Medium sized evergreen tree. Fragrant flowers.
22	Mangifera indica	Mango	5	Small deciduous fruit bearing tree.
23	Peltophorum afracatum	Copperpod tree	5	Tall deciduous tree. Good for roadside plantation
24	Syzygium cumini	Jambhul	5	Large tree with large spreading crown.
25	Terminalia arjuna	Arjun	5	Large deciduous tree. Large spreading crown.

45.Total quantity of plants on ground

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

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

47.Energy

Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	200 KW
	DG set as Power back-up during construction phase	62.5 KVA x 1 No.
	During Operation phase (Connected load):	5373.83 KW
	During Operation phase (Demand load):	2728.2 KW
	Transformer:	1500 KVA x 2 no.
	DG set as Power back-up during operation phase:	Existing - 200 KVA X 1, Proposed - 200 KVA X 1 No. , 400 KVA X 1 No.
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

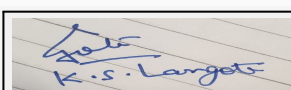
48.Energy saving by non-conventional method:

30% of External Lighting on Solar PV Panels and rest lighting with timer controlled Operation for reducing amount of light at different stages as per requirements.

All Motors with VFD control use as per different stages & Time

All water pump motors will be used High Efficiency motors with High low level sensors.

49.Detail calculations & % of saving:



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Serial Number	Energy Conservation Measures	Saving %
1	External lighting load	30 %
2	Total Lift load	25 %
3	Total Pump load	20 %
4	Common area Lighting Load	40 %
5	Offices - Lights & Power	10 %
6	Offices - AC Power	20 %
7	Each flat Hot water	59 %
8	Total Energy Saving Percentage	19 %

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Waste water generation	STP	STP
Wet garbge	OWC	OWC

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	35.0 Lkch
	O & M cost:	2.0 Lakh/yr

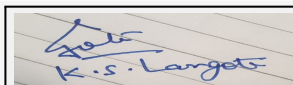
51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Erosion controll	Dust separation measures & barricading	5.0
2	Site safety	Nets & barricades	3.0
3	Site sanitation	public toilets	2.0
4	Disinfection & health checkup	sparing of pesticides & health camp for workers	2.0
5	Environmental Monitoring	Analysis of Air, Water,Noise	1.0

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP	to treat waste water	50.0	7.5
2	RWH	use as domestic water	26.0	1.25
3	OWC	to treat wet waste	24.0	5.65
4	Storm water management	to increas ground water level	45.0	1.0
5	Tree plantation	to maintain greenary	35.0	2.0
6	Energy conservation	to save electrical energy	35.0	2.0
7	water supply through tankers	in absence of grampanchayat water supply	--	14.5



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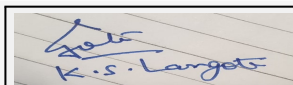
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8	Environmental management	Maintenance of STP , OWC	--	1.60			
51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)							
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
NA	NA	NA	NA	NA	NA	NA	NA
52.Any Other Information							
No Information Available							
53.Traffic Management							
	Nos. of the junction to the main road & design of confluence:	1					
Parking details:	Number and area of basement:	NA					
	Number and area of podia:	NA					
	Total Parking area:	8889.2 sq.m					
	Area per car:	25/30/35 sq.m					
	Area per car:	25/30/35 sq.m					
	Number of 2-Wheelers as approved by competent authority:	543					
	Number of 4-Wheelers as approved by competent authority:	197					
	Public Transport:	NA					
	Width of all Internal roads (m):	6 m					
	CRZ/ RRZ clearance obtain, if any:	NA					
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA					
	Category as per schedule of EIA Notification sheet	8 (a) B2					
	Court cases pending if any	NA					



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	Other Relevant Informations	NA
	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 Expansion of Residential & Commercial Construction Project at Gat. No. 1342 (P), 1343 (P) Wagholi, Pune by Ayaan (Mr. Yogesh Bafna).

PP submitted their application for expansion of Environmental clearance for total plot area of 13855 Sq. Mtrs, BUA of 44151.25 Sq. Mtrs and FSI area of 14737.42+22280.84 Sq. Mtrs. PP proposes to construct 4 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

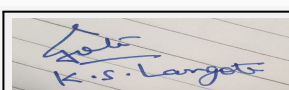
SEAC decided to recommend the proposal for prior environmental Clearance, subject to PP complying with the above conditions.

Specific Conditions by SEAC:

- 1) PP to submit an undertaking to use RG area which is shown common open space for entire layout.
- 2) PP to upload six monthly compliance report.
- 3) PP to submit revised CFO and E-waste NOC.
- 4) PP to submit undertaking for sustainable water supply.

FINAL RECOMMENDATION

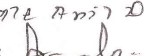
SEAC-III have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions



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Agenda for 67 th SEAC-3 Meeting. (Day-1)

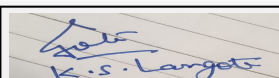
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Subject: Environment Clearance for Residential Construction Project

Is a Violation Case: No

1.Name of Project	Micasaa
2.Type of institution	Private
3.Name of Project Proponent	Mr. Jaspreetsingh Rajpal
4.Name of Consultant	NA
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	Modernization in existing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	EC has been partly obtained for this project vide No. SEAC-2013/CR-217/TC-II dated 5 September 2014
8.Location of the project	G. No. 878 (P), 879 (P)
9.Taluka	Haveli
10.Village	Wagholi
Correspondence Name:	Mr. Mitesh Shah
Room Number:	NA
Floor:	NA
Building Name:	Wellesley Court
Road/Street Name:	Wellesley Road
Locality:	Camp
City:	Pune
11.Area of the project	PMRDA
12.IOD/IOA/Concession/Plan Approval Number	Yes IOD/IOA/Concession/Plan Approval Number: Sanction plan approved from PMRDA vide no. BHA/CR. No. 1055/16-17 Mouza - Wagholi dated 6.10.2016 Approved Built-up Area: 67924.31
13.Note on the initiated work (If applicable)	Construction as stipulated in earlier EC is completed.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	35,832 sq.m
16.Deductions	587.94 sq.m
17.Net Plot area	35,244.06 sq.m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 29,800.39 sq.m
	b) Non FSI area (sq. m.): 20,250.48 sq.m
	c) Total BUA area (sq. m.): 50050.87
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)	5628.44 sq.m
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	15.71 %
21.Estimated cost of the project	980000000

22.Number of buildings & its configuration



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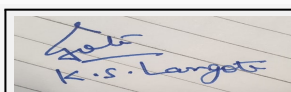
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A1 & A2	LP + UP + 4	14.40
2	B1 & B2	LP + UP + 4	14.40
3	C1 & C2	LP + UP + 12	39.90
4	D	LP + UP + 12	39.90
5	E	LP + UP + 12	39.90
6	F	LP + UP + 12	39.90
7	G	LP + UP + 12	39.90
8	Club House	G + 1	7.15

23.Number of tenants and shops	tenements - 481
24.Number of expected residents / users	Residents - 2405
25.Tenant density per hectare	250
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	Construction as stipulated in earlier EC is completed.
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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

32.Total Water Requirement



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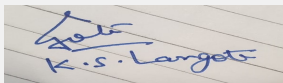
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Dry season:	Source of water	Grampanchayat Wagholi							
	Fresh water (CMD):	216.45 KLD							
	Recycled water - Flushing (CMD):	108.23 KLD							
	Recycled water - Gardening (CMD):	26 KLD							
	Swimming pool make up (Cum):	NA							
	Total Water Requirement (CMD) :	361 KLD							
	Fire fighting - Underground water tank(CMD):	400 KL							
	Fire fighting - Overhead water tank(CMD):	20 KL/building							
	Excess treated water	167 KLD							
Wet season:	Source of water	Grampanchayat Wagholi							
	Fresh water (CMD):	216.45 KLD							
	Recycled water - Flushing (CMD):	108.23 KLD							
	Recycled water - Gardening (CMD):	NA							
	Swimming pool make up (Cum):	NA							
	Total Water Requirement (CMD) :	335 KLD							
	Fire fighting - Underground water tank(CMD):	400 KL							
	Fire fighting - Overhead water tank(CMD):	20 KL/building							
	Excess treated water	193 KLD							
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	NA	108.23 KLD	108.23 KLD	NA	10.8 KLD	10.8 KLD	NA	97.40 KLD	97.40 KLD
Fresh water requirement	NA	216.45 KLD	216.45 KLD	NA	21.6 KLD	21.6 KLD	NA	194.81 KLD	194.81 KLD



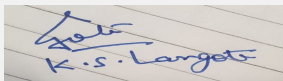
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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	15 m below ground
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	9 Nos.
	Size of recharge pits :	2.0 m X 0.9 m x 2.0 m
	Budgetary allocation (Capital cost) :	6.75 Lakh
	Budgetary allocation (O & M cost) :	0.5 Lakh/yr
	Details of UGT tanks if any :	Domestic UG tank Capacity - 228.13 KLD Flushing UG tank Capacity - 114 KLD Fire UG tank Capacity - 400 KL
35.Storm water drainage	Natural water drainage pattern:	As per contour
	Quantity of storm water:	21396 KL/yr.
	Size of SWD:	300 mm
Sewage and Waste water	Sewage generation in KLD:	303 KLD
	STP technology:	FAB
	Capacity of STP (CMD):	1 No. of STP , Capacity - 320 KLD
	Location & area of the STP:	Please refer Master Layout
	Budgetary allocation (Capital cost):	74.0 Lakh
	Budgetary allocation (O & M cost):	13.5 Lakh/yr
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	1 % of waste material
	Disposal of the construction waste debris:	Excavated earth material will be used as filling material for plinth area & top soil will be use for landscaping.
Waste generation in the operation Phase:	Dry waste:	470 Kg/day
	Wet waste:	710 Kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	18.3 Kg/Day
	Others if any:	NA



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Mode of Disposal of waste:	Dry waste:	Through Authorized vendor - JanAdhar
	Wet waste:	Through mechanized composter
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Use as manure
	Others if any:	NA
Area requirement:	Location(s):	Please refer Master Layout
	Area for the storage of waste & other material:	100 sq.m
	Area for machinery:	40 sq.m
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	26.0 Lakh
	O & M cost:	17.0 Lakh/yr.

37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	---	7 - 8.5	6.5 - 7.5	Not applicable
2	Total Suspended Solids	mg/l	200 - 300	< 10	Not to Exceed to 50 mg/lit
3	BOD	mg/l	250 - 300	< 10	Not to exceed 10 mg/lit
4	COD	mg/l	300 - 400	< 30	Not to exceed 100 mg/lit
5	Oil & Grease	mg/l	10	< 5	---
6	TDS	mg/l	---	< 1000	---
7	Total Nitrogen	mg/l	40 - 50	< 10	---
8	Amonical Nitrogen	mg/l	---	< 1	---
9	Total Phosphate	mg/l	5 - 7	< 2	---
10	Faecal coliform	MPN/100 ml	10 ⁶ /100	N.D	----

Amount of effluent generation (CMD):	Not applicable
Capacity of the ETP:	Not applicable
Amount of treated effluent recycled :	Not applicable
Amount of water send to the CETP:	Not applicable
Membership of CETP (if require):	Not applicable
Note on ETP technology to be used	Not applicable
Disposal of the ETP sludge	Not applicable

38. Hazardous Waste Details

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

39. Stacks emission Details

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

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel	Not applicable	73 Lit/hr for 100 % load	73 Lit/hr for 100 % load

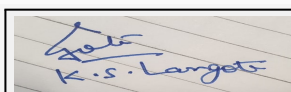
41.Source of Fuel Not applicable

42.Mode of Transportation of fuel to site Not applicable

43.Green Belt Development	Total RG area :	3713.08 sq.m
	No of trees to be cut :	0
	Number of trees to be planted :	479
	List of proposed native trees :	As per Below
	Timeline for completion of plantation :	3 yr.

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	Ailathus excelsa	Maharukh	12	Large in size, fruit bearing tree
2	Anthocephalus kadamba	Kadamb	12	Medicinal value, To control soil erosion, Birds, squirrels, monkey eat fruits.
3	Albizia lebbeck	Shirish	12	Medicinal for Skin, Fragrant flowers, To control soil erosion, Bird attracting species (Para kids eat seeds).
4	NA	NA	NA	NA
5	Bauhinia purpurea	Gulabi kanchan	12	Every part of the plant is medicinal ,Drought tolerant species.
6	NA	NA	NA	NA
7	Cochlospermum religiosum	Sonsawar	08	Medicinal value, Native species
8	Dalbergia sisoo	Shisav	08	Medicinal value, Bird attracting species ,
9	NA	NA	NA	NA
10	NA	NA	NA	NA
11	Saraca indica	Sita ashok	08	Medicinal value, Religious plant.
12	Cassia fistula	Bahawa	12	Medicinal value, Drought tolerant species, Very ornamental, Well flowering plant, Honey bee attracting species, Host plant for Butterfly.



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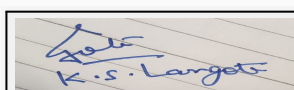
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Name: K. S. Anil Kale

Signature: [Handwritten Signature]

Shri. Anil Kale (Chairman SEAC-III)

13	NA	NA	NA	NA
14	Bauhinia Blackiana	Kanchan Raj	12	Every part of the plant is medicinal, Drought tolerant species.
15	Azardirachta indica	Neem	12	Medicinal value, To control soil erosion. To improve soil erosion
16	Butea monosperma	Palas	12	Medicinal value, Bird attracting species , To control soil erosion.
17	Cordia dichotoma	Bhokar	08	Medicinal value, Edible fruits,
18	Ficus arnottiana	Payar	08	Drought tolerant species, Bird attracting species. To control soil erosion.
19	Ficus glomurata	Umbur	08	Medicinal value, Edible fruits, Bird attracting species
20	Ficus retusa	Nandruk	08	Medicinal value, Bird attracting species, Drought tolerant species, Hardy plant.
21	Phyllanthus emblica	Awala	08	Medicinal value
22	Mangifera indica	Mango	08	Edible fruit, Bird attracting species.
23	Michellia champaca	Sonchaffa	08	Medicinal value, Fragrant flowers, Butterfly larvae host plant, Bird attracting species, Fast growing.
24	Pongamia pinnata	Karanj	08	Medicinal value, Drought tolerant species, To control soil erosion. Hardy plant.
25	Syzygium cumini	Jamun	08	Medicinal value, Edible fruit.
26	NA	NA	NA	NA
27	NA	NA	NA	NA
28	NA	NA	NA	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	
47.Energy				



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Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	25 KW
	DG set as Power back-up during construction phase	62.5 KVA
	During Operation phase (Connected load):	3193.17 KW
	During Operation phase (Demand load):	1761.30 KVA
	Transformer:	630 KVA X 3 No.
	DG set as Power back-up during operation phase:	250 KVA x 1 No.
	Fuel used:	73 Lit./hr. for 100% loading
	Details of high tension line passing through the plot if any:	NA

48. Energy saving by non-conventional method:

Using LED in parking area, lift-lobby and stair-case area of building.
Using Auto timer in Common area lighting & external lighting.
Using LED in landscape/Club house area.
All street lights with LED lamps and 50% of the same will be on solar.
Using Solar PV Panels:- Using solar water heating in 1 Master toilet in each flat.

49. Detail calculations & % of saving:

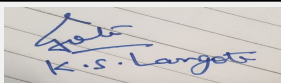
Serial Number	Energy Conservation Measures	Saving %
1	Total Energy saved using LED with auto timer	21.86 KW
2	Total Energy saved by using Solar PV Panels	12.61 KW
3	Total Energy saved using external lightning with auto timer	6.58 KW
4	Total Energy saved in club house lighting is	0.54 KW
5	Total KW saved by solar water heater	721.50 KW
6	Total Energy Save	763.09 KW

50. Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Waste water generation	Not applicable	STP
Wet garbage	Not applicable	OWC

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	166.0 Lakh
	O & M cost:	2.5 Lakh/yr

51. Environmental Management plan Budgetary Allocation



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Shri. Anil Kale (Chairman SEAC-III)

a) Construction phase (with Break-up):			
Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Erosion control	Dust suppression measures	2.0
2	Site Safety	Nets, barricades	5.0
3	Site sanitation	Public toilets	1.0
4	Disinfection & Health check up	Spreing of pesticides & health check up for Labor camp	1.0
5	Environmental Monitoring	Analysis of Air, Water & Noise	2.0

b) Operation Phase (with Break-up):				
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	To treat waste water	74.0	13.5
2	Rain Water Harvesting	To use as domestic water	6.75	0.5
3	Solid waste Management	Treatment on wet garbage	26.0	17.0
4	Storm Water Connection	To increase ground water level	46.0	1.50
5	Tree Plantation	To maintain Greenary	65.0	10.5
6	Solar PV panels	To save Electrical Energy	47.0	2.5
7	Environmental Monitoring	Analysis of Air, water & Noise	----	1.6
8	Solar Water heater	To save Electrical energy	120.0	1.0

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

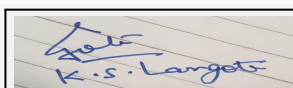
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
NA	NA	NA	NA	NA	NA	NA	NA

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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Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	8836.4 sq.m
	Area per car:	30 sq.m
	Area per car:	30 sq.m
	Number of 2-Wheelers as approved by competent authority:	706
	Number of 4-Wheelers as approved by competent authority:	191
	Public Transport:	NA
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8 (a) B2
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

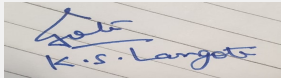
SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorisred in brief information of Project as below.

Brief information of the project by SEAC

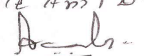
Environment Clearance for Residential Construction Project, at G. No. 878 (P), 879 (P), Wagholi, Tal- Haveli, Pune by Micasaa Mr. Jaspreetsingh Rajpal.

PP submitted their application for modernization in Environmental clearance for total plot area of 35832 Sq. Mtrs, BUA of 50050.87 Sq. Mtrs and FSI area of 29800.39 Sq. Mtrs. PP proposes to construct 7 no. residential building & 1 club house.


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SEAC-III)

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DECISION OF SEAC

PP remains absent.

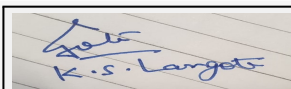
Committee decided to defer the proposal and consider a fresh.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

SEAC-AGENDA-00000000117



**K.S.Langote (Secretary
SEAC-III)**

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Name: K ०१६ Anil D.

Signature:

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

Agenda for 67 th SEAC-3 Meeting. (Day-1)

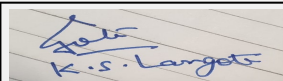
SEAC Meeting number: 67 Meeting Date August 19, 2018

Subject: Environment Clearance for Proposed Residential Project at Sr. no. 152 , Hissa no. 1/1 ,Hinjewadi By M/s. Redshift Buildcon

Is a Violation Case: No

1.Name of Project	Proposed Residential Project
2.Type of institution	Private
3.Name of Project Proponent	Mr. Deepak B. Raykar
4.Name of Consultant	Vke:Environmental LLP , Pune.
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	New project
8.Location of the project	At - Sr. n. 152, Hissa n. 1/1 , Hinjewadi .
9.Taluka	Mulshi
10.Village	Hinjewadi.
Correspondence Name:	NA
Room Number:	Na
Floor:	NA
Building Name:	NA
Road/Street Name:	NA
Locality:	Na
City:	NA
11.Area of the project	PMRDA
12.IOD/IOA/Concession/Plan Approval Number	Under Process
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 00
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	16,000.00
16.Deductions	616.16
17.Net Plot area	15383.84
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 19399.83
	b) Non FSI area (sq. m.): 15824.43
	c) Total BUA area (sq. m.): 35224.26
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)	3533.19
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	23% on net plot area
21.Estimated cost of the project	600000000

22.Number of buildings & its configuration



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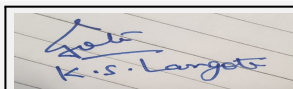
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A Building	2P+11	37.50
2	B Building	2P+12	40.35
3	C Building	2P+11	37.50
4	D Building	P+11	34.50
5	Club House	G+1	6.90

23.Number of tenants and shops	356 + 2 bungalows
24.Number of expected residents / users	1790
25.Tenant density per hectare	1119
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 mtr wide (Nearest Fire Station -Hinjewadi Fire Station Phase 1)
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 mtr
29.Existing structure (s) if any	No any existing Structures on site
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



K.S.Langote (Secretary SEAC-III)

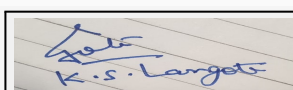
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Shri. Anil Kale (Chairman SEAC-III)

Dry season:	Source of water	Hinjewadi Grampanchayat							
	Fresh water (CMD):	165							
	Recycled water - Flushing (CMD):	80							
	Recycled water - Gardening (CMD):	14							
	Swimming pool make up (Cum):	0.7							
	Total Water Requirement (CMD) :	255							
	Fire fighting - Underground water tank(CMD):	200							
	Fire fighting - Overhead water tank(CMD):	20							
	Excess treated water	100							
Wet season:	Source of water	Hinjewadi Grampanchayat							
	Fresh water (CMD):	160							
	Recycled water - Flushing (CMD):	80							
	Recycled water - Gardening (CMD):	00							
	Swimming pool make up (Cum):	0.7							
	Total Water Requirement (CMD) :	241							
	Fire fighting - Underground water tank(CMD):	200							
	Fire fighting - Overhead water tank(CMD):	20							
	Excess treated water	114							
Details of Swimming pool (If any)	Volume of Swimming Pool: 71.5 cum a) pH-7.0 to 7.6 b)Chlorine Content -0.8 to 1.0 ppm Residual Chlorine in pool c) Disinfection Treatment - With Ozone								
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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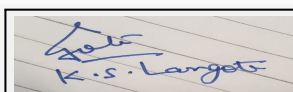
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Name: K. S. Anil D.

Signature: [Handwritten Signature]

Shri. Anil Kale (Chairman SEAC-III)

34.Rain Water Harvesting (RWH)	Level of the Ground water table:	Pre monsoon : 20m bgl ,Post monsoon : 12 m bgl
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	5 No. of recharge pits with bore well
	Size of recharge pits :	1.5m x1.5m x 1.5m (60 m depth)
	Budgetary allocation (Capital cost) :	1,83,000 /-
	Budgetary allocation (O & M cost) :	25,000 /-
	Details of UGT tanks if any :	Total Capacity of UGWT = 440 kld For Domestic =240 KLD For Fire =200 KLD
35.Storm water drainage	Natural water drainage pattern:	NA
	Quantity of storm water:	14941.38 m ³ /day
	Size of SWD:	600 mm
Sewage and Waste water	Sewage generation in KLD:	218 KLD
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	1 nos. of STP with 220 KLD Capacity
	Location & area of the STP:	Near A Building , Total Area is
	Budgetary allocation (Capital cost):	65,00,000 /-
	Budgetary allocation (O & M cost):	8,50,000 /-
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	20 kg/day (Wet+Dry)
	Disposal of the construction waste debris:	The entire construction waste will be used within the site for leveling purposes and base course preparation of internal approach roads.
Waste generation in the operation Phase:	Dry waste:	358 kg/day
	Wet waste:	537 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	93 kg/ day
	Others if any:	NA



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Mode of Disposal of waste:	Dry waste:	Handed over to authorized recyclers for further handling & disposal purpose
	Wet waste:	Wet waste will be treated onsite organic waste converter machine .
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be used as manure
	Others if any:	NA
Area requirement:	Location(s):	Near A building
	Area for the storage of waste & other material:	15 sqm.
	Area for machinery:	45 sqm.
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	18,75,000 /-
	O & M cost:	3,44,068 /-

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

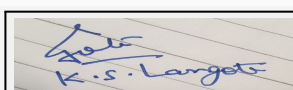
39.Stacks emission Details

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

40.Details of Fuel to be used

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

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



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43.Green Belt Development	Total RG area :	2400.94 sqm
	No of trees to be cut :	NA
	Number of trees to be planted :	170
	List of proposed native trees :	Refer Below list :
	Timeline for completion of plantation :	Till the end of construction phase

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

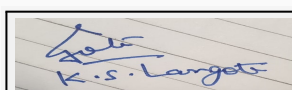
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadiracta Indica	Neem	10	A medium to large size hardy tree which stand in drought condition attain larger size in dry regions
2	Sara indica	Sara indica	12	A large size tree with dense foliage provides shade along roads ,wood is water resistant
3	Syzlum Cumini	Jambhul	10	Large evergreen tree, fruit bearing tree, common on roadsides , native to pune
4	Pongamia Pinnata	Karanj	10	Large deciduous tree , shady tree with pinkish white flowers
5	Ficus Benjamina	Nandrukh	07	Large deciduous tree , shady tree with pinkish white flowers
6	Millingtonia Hortensis	Booch	20	Large deciduous tree , shady tree with pinkish white flowers
7	Plumeria alba	Champa	27	Ornamental flowering tree
8	Jacaranda Mimosifolia	jacaranda	10	Medium size gracious deciduous tree which prefers moderate climate.
9	Albizia Lebbeck	Shirish	10	Medium size gracious deciduous tree which prefers moderate climate.
10	Terminalia catappa	Badam	12	Tall deciduous, fruit bearing
11	Lagerstromia flosregineae	Taman	20	State flower tree of maharashtra medium size tree, beautiful purple flowers ,grows well in both dry and humid climate
12	Cassia Fistula	Golden Shower	16	Small hardy , ornamental tree
13	Butea Monosperma	Small deciduous . Good for roadside plantation	06	Small Deciduous . Good for roadside plantation

45.Total quantity of plants on ground

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

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

47.Energy



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Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	14.58 KW
	DG set as Power back-up during construction phase	1 DG set of 20 KVA
	During Operation phase (Connected load):	2053.35 KW
	During Operation phase (Demand load):	1123.36 KVA
	Transformer:	2 nos. X 630 KVA
	DG set as Power back-up during operation phase:	1 DG set of 250 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48. Energy saving by non-conventional method:

Total Energy Saving in KW 552.39 Kw i.e. (7.24 % Savings)
Energy saving due to solar 465803.75 (KWH) i.e. 82.19%

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Use of high efficiency 7 watt LED Bulb	749 nos
2	External Street Lighting -Total pole Light	36 nos
3	Total Light points in club house	30 nos
4	External decorative fitting -Total light points	20 nos
5	Energy saving due to solar	465803.75 (KWH) i.e. 82.19%

50. Details of pollution control Systems

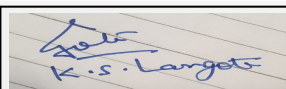
Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	11,42,850 /-
	O & M cost:	57,142 /-

51. Environmental Management plan Budgetary Allocation

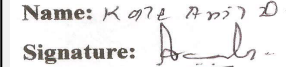
a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Erosion control - dust suppression measures, barricading and top soil preservation	19.54


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2	Land	Labour Camp toilets & sanitation	4.80
3	Health and Safety	Labour Safety Equipments and training	4.00
4	facility	Disinfection and Health Check-ups	0.51
5	Environment Management	Environmental Monitoring	1.85

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	220 KLD -MBBR Technology	65	8.50
2	Solid Waste Management	SM-50 , CD-600	18.75	3.44
3	Landscaping	Development and Maintenance	6.70	0.53
4	Rain Water Harvesting	5 Recharge pits with bore well	1.83	0.25
5	Energy Saving	Solar PV panels	11.42	0.57
6	Environmental Monitoring	-	-	1.82

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

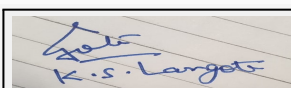
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

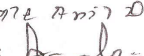
Nos. of the junction to the main road & design of confluence:	The project side
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K.S.Langote (Secretary SEAC-III)

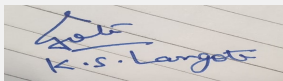
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Name: K. S. Anil Kale
Signature: 

Shri. Anil Kale (Chairman SEAC-III)

Parking details:	Number and area of basement:	NA
	Number and area of podia:	1 Podium and Area is 2712.58 sqm
	Total Parking area:	3260 sqm.
	Area per car:	12.5 sqm.
	Area per car:	12.5 sqm.
	Number of 2-Wheelers as approved by competent authority:	400
	Number of 4-Wheelers as approved by competent authority:	400
	Public Transport:	NA
	Width of all Internal roads (m):	6 m. wide internal road is provided and 9 m. turning radius will be provided .
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8a building and construction project
	Court cases pending if any	NA
	Other Relevant Informations	The project area is in a residential zone. Proposed project consists of 4 residential building having 356 flats & 2 bungalows + one club House
	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		



K.S.Langote (Secretary SEAC-III)

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Name: K. S. Langote
Signature: [Handwritten Signature]
Shri. Anil Kale (Chairman SEAC-III)

Environment Clearance for Proposed Residential Project at Sr. no. 152 , Hissa no. 1/1 ,Hinjewadi By M/s.Redshift Buildcon.

PP submitted their application for prior Environmental clearance for total plot area of 16000.00 Sq. Mtrs, BUA of 35224.26 Sq. Mtrs and FSI area of 19399.83 Sq. Mtrs. PP proposes to construct 4 no. residential building & 1 club house + 2 bungalows.

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

DECISION OF SEAC

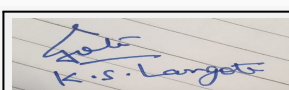
PP requested for time to submit above information; after deliberations committee asked PP to comply with the above observations and submit information to the committee for further discussion and consideration of SEAC.

Specific Conditions by SEAC:

- 1) PP to submit cross section at 7-8 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.
- 2) PP to submit a cross section showing invert level of sewer trap and final level of municipal sewer line.
- 3) PP to submit details hydro geological survey report along with RWH details and recharge pit.
- 4) PP to submit the cross section showing width and slope of ramp.
- 5) PP to submit EMP with cost.
- 6) PP stated that the sewer line passing through nalla, pp to submit details of invert level and specific NOC to connectivity through the nalla.
- 7) PP to submit details of CER activities in consultation with the affected people in the project area as per MoEF& CC circular dated 1/05/2018.

FINAL RECOMMENDATION

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



**K.S.Langote (Secretary
SEAC-III)**

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Signature: [Handwritten Signature]

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

Agenda for 67 th SEAC-3 Meeting. (Day-1)

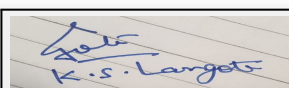
SEAC Meeting number: 67 Meeting Date August 19, 2018

Subject: Environment Clearance for Proposed Residential & Commercial Project at S no. 107/2(P), 108/1(P), 108/2/2 & 109/1, Ravet, Pune, Maharashtra by M/s. Renuka Constructions

Is a Violation Case: No

1.Name of Project	Proposed Residential & Commercial Project at S no. 107/2(P), 108/1(P), 108/2/2 & 109/1, Ravet, Pune, Maharashtra by M/s. Renuka Constructions
2.Type of institution	Private
3.Name of Project Proponent	Mr. Babu Mehetre
4.Name of Consultant	J. M. EnviroNet Pvt Ltd
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. 107/2(P), 108/1(P), 108/2/2 & 109/1, Ravet, Pune, Maharashtra
9.Taluka	Haveli
10.Village	Ravet
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	IOD Received IOD/IOA/Concession/Plan Approval Number: BP/Environment/Ravet/01/2018 Approved Built-up Area: 48348.49
13.Note on the initiated work (If applicable)	Construction not yet started.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	MHADA
15.Total Plot Area (sq. m.)	18267 sq. m
16.Deductions	3055.49 Sq. m
17.Net Plot area	15211.51 sq. m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 29404.37 sq. m b) Non FSI area (sq. m.): 18944.12 sq. m c) Total BUA area (sq. m.): 48348.49
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)	3395.74
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	22.32 %
21.Estimated cost of the project	998000000

22.Number of buildings & its configuration

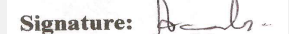


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Signature: 

Shri. Anil Kale (Chairman SEAC-III)

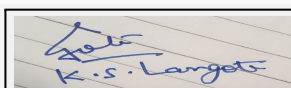
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building A	P+11 Floors	35.85 m
2	Building B (MHADA)	P+11 Floors	35.85 m
3	Building C	P+11 Floors	35.85 m
4	Building D	P+11 Floors	35.85 m
5	Building E	P+11 Floors	35.85 m
6	Building F	P+11 Floors	35.85 m
7	Commercial Building G	G+04 Floors	21.50 m
8	Club house	G+01 Floors	7.75 m

23.Number of tenants and shops	Residential : 492 Commercial building
24.Number of expected residents / users	Residential: 2460 nos. Commercial : 308 no's
25.Tenant density per hectare	633 /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 18 m wide DP road from nearest Pradhikaran fire station Distance : 6.5 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



K.S.Langote (Secretary SEAC-III)

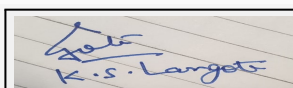
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Dry season:	Source of water	PCMC							
	Fresh water (CMD):	227.56							
	Recycled water - Flushing (CMD):	118.40							
	Recycled water - Gardening (CMD):	10.02							
	Swimming pool make up (Cum):	0							
	Total Water Requirement (CMD) :	355.98							
	Fire fighting - Underground water tank(CMD):	450							
	Fire fighting - Overhead water tank(CMD):	20							
	Excess treated water	167.38							
Wet season:	Source of water	PCMC							
	Fresh water (CMD):	227.56							
	Recycled water - Flushing (CMD):	118.40							
	Recycled water - Gardening (CMD):	0							
	Swimming pool make up (Cum):	0							
	Total Water Requirement (CMD) :	345.96							
	Fire fighting - Underground water tank(CMD):	450							
	Fire fighting - Overhead water tank(CMD):	20							
	Excess treated water	177.4							
Details of Swimming pool (If any)	Not applicable								
33.Details of Total water consumed									
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable



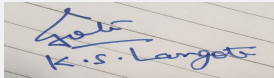
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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	7-10 BGL
	Size and no of RWH tank(s) and Quantity:	Not applicable
	Location of the RWH tank(s):	Not applicable
	Quantity of recharge pits:	06 no's
	Size of recharge pits :	2 m x 2m x 2m
	Budgetary allocation (Capital cost) :	Rs. 4,16,916 /-
	Budgetary allocation (O & M cost) :	Rs. 30,000 /-
	Details of UGT tanks if any :	Domestic : 346 KLD Flushing : 178 KLD Fire : 450 KLD
35.Storm water drainage	Natural water drainage pattern:	North to south
	Quantity of storm water:	102.39 m3/hr
	Size of SWD:	400 mm
Sewage and Waste water	Sewage generation in KLD:	311.36 KLD
	STP technology:	MMBR Technology
	Capacity of STP (CMD):	STP 1(Residential + Commercial) : 280 KLD ; STP 2 (MHADA) : 40 KLD
	Location & area of the STP:	STP 1 area : 150 sq. m STP 2 area : 20 sq. m
	Budgetary allocation (Capital cost):	Rs. 1,11,30,000 /-
	Budgetary allocation (O & M cost):	Rs. 24,13,325 /-
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:	503.20 kg/day
	Wet waste:	716.30 kg/day
	Hazardous waste:	Negligible
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	28.04 kg/day
	Others if any:	Not Applicable



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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:	40 sq. ,
	Area for machinery:	35 sq. m
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 18,00,000 /-
	O & M cost:	Rs. 3,94,457 /-

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

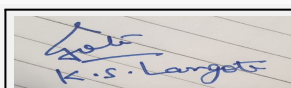
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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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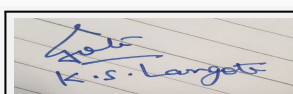
43.Green Belt Development	Total RG area :	Open space 1 : 370.44 Sq. m ; Open space 2 : 1373.50 sq. m
	No of trees to be cut :	0
	Number of trees to be planted :	0
	List of proposed native trees :	176 no's
	Timeline for completion of plantation :	Up to completion of project

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	Neolamarckia cadamba	Kadamb	15	Large size , shady, ball shaped flowering tree.
2	Cassia fistula	Bahawa	13	Medium size deciduous tree, Draught tolerant,Beautiful yellow flower,butterfly host plant.
3	Bahunia purpurea	Kanchan	10	Medium size pink flowering tree.
4	Lagerstromia indica	Taman	15	State flower of maharashtra, medium size tree with beautiful purple flower.
5	Michelia champaca	Sonchafa	12	Medium size evergreen tree. Fragrant yellow flowers,butterfly host plant.
6	Swietenia mahagoni	Mahagany	15	Medium size semi evergreen tree
7	Azadirachta indica	Neem	17	Semi - evergreen tree with medicinal value.
8	Butea monosperma	Palash	16	Semi - evergreen tree with medicinal value.
9	Plumeria Acutifolia	Temple tree	16	Evergreen medium size white flowering tree, medicinal value.
10	Plumeria Rubra	Franjipani	11	Evergreen medium size white flowering tree, medicinal value.
11	Aegle marmelos	Bel	6	Spiritual and Medicinal value.
12	Emblica Officinalis	Awala	8	Medicinal plant, edible fruits, butterfly host tree.
13	Psidium guayava	Gauva	6	Medium sized fruit bearing tree, medicinal plant-good source of calcium and vitamin C.
14	Achras sapota	Chikko	7	Medium sized fruit bearing tree, medicinal value,bird attracting tree
15	Annona squamosa	Sitaphal	3	Medium sized fruit bearing tree, medicinal value.
16	Mangifera indica	Mango	6	State tree of maharashtra (Auspicious tree), greening & popular edible fruits, medicinal & butterfly host tree

45.Total quantity of plants on ground

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



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

47. Energy

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):	1941 KW
	During Operation phase (Demand load):	1173 KVA
	Transformer:	2 nos. x 630 KVA & 315 KVA
	DG set as Power back-up during operation phase:	225 KVA
	Fuel used:	HSD
	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.

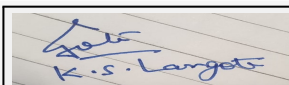
49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total Energy saved by solar hot water system + Light fitting type & timer savings + Solar PV panels	32 %

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. 97,81,200 /-
	O & M cost:	Rs. 13,30,460 /-



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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. 26,500 /-
2	Land	Site Sanitation	Rs. 44,000 /-
3	Health & safety	Site Safety	Rs. 44,000 /-
4	Health & safety	Disinfection and Health Check-ups	Rs. 1,51,000 /-
5	Environment management	Environmental Monitoring	Rs. 1,20,000 /-

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Rain Water Harvesting	06 no's of pits	Rs. 4,16,916 /-	Rs. 30,000 /-
2	Sewage Treatment Plant	2 STP's	Rs. 1,11,30,000 /-	Rs. 24,13,325 /-
3	Organic Waste Composting	OWC	Rs. 18,00,000 /-	Rs. 3,94,457 /-
4	Tree Plantation	176 no's of trees	Rs. 21,79,925 /-	Rs. 1,29,000 /-
5	Energy saving	DG set+ Solar hot water system + Solar PV	Rs. 97,81,200 /-	Rs. 13,30,460 /-
6	Environmental Monitoring	Environment management	-	Rs. 1,20,000 /-

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

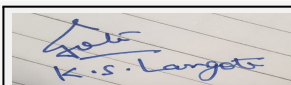
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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 18.m wide DP road
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K.S.Langote (Secretary SEAC-III)

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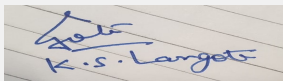
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Signature: 

Shri. Anil Kale (Chairman SEAC-III)

Parking details:	Number and area of basement:	No
	Number and area of podia:	No
	Total Parking area:	13316 sq. m
	Area per car:	30 sq. m
	Area per car:	30 sq. m
	Number of 2-Wheelers as approved by competent authority:	1080 no's
	Number of 4-Wheelers as approved by competent authority:	302 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.	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. Anil Kale
Signature: [Handwritten Signature]
Shri. Anil Kale (Chairman SEAC-III)

Environment Clearance for Proposed Residential & Commercial Project at S no. 107/2(P), 108/1(P), 108/2/2 &109/1, Ravet, Pune, by M/s. Renuka Constructions.

PP submitted their application for prior Environmental clearance for total plot area of 18267.00 Sq. Mtrs, BUA of 48348.49 Sq. Mtrs and FSI area of 29404.37 Sq. Mtrs. PP proposes to construct 7 no. residential & commercial building + 1 club house.

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

DECISION OF SEAC

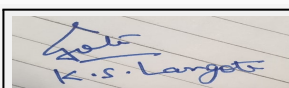
PP requested for time to submit above information; after deliberations committee asked PP to comply with the above observations and submit information to the committee for further discussion and consideration of SEAC.

Specific Conditions by SEAC:

- 1) PP to submit cross section at 7-8 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.
- 2) PP to provide mandatory RG area on virgin land and submit the drawing with calculations
- 3) PP to submit NOC for laying of SWD through 45 m wide road.
- 4) PP to submit revised debris management plan.
- 5) PP to submit undertaking for sustainable water supply.
- 6) PP to submit energy saving calculation along with terrace area calculations.
- 7) PP to submit details of CER activities in consultation with the affected people in the project area as per MoEF& CC circular dated 1/05/2018.
- 8) PP to submit CFO & E-waste Noc.

FINAL RECOMMENDATION

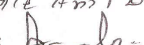
SEAC-III decided to defer the proposal till PP submits the additional information as per above conditions within 30 days



K.S.Langote (Secretary SEAC-III)

SEAC Meeting No: 67 Meeting Date: August 19, 2018

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Name: K. Anil Kale
Signature: 

Shri. Anil Kale (Chairman SEAC-III)