

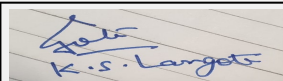
Agenda for 67 th Meeting of SEAC-3 (Day-2)

SEAC Meeting number: 67 Meeting Date August 20, 2018

Subject: Environment Clearance for Expansion of Residential and Commercial Construction project

Is a Violation Case: No

1.Name of Project	Yashwin Anand
2.Type of institution	Private
3.Name of Project Proponent	M/s. Vilas Javdekar & Sanjeevani Developers LLP
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- Residential and Commercial construction 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	Previous EC Vide no. SEAC-2016/C.R.424/TC-1
8.Location of the project	S.No.24/3/1, 24/3/2, 24/3/3, 24/4, 24/5A, 24/7C/1, 24/7A, 24/4, 24/7C/1, 24/7C/2, 24/6, 24/5B, 24/7B Mauje-Sus, Tal-Mulshi, Dist. Pune.
9.Taluka	Mulshi
10.Village	Sus
Correspondence Name:	Mr. Sanjay Despande
Room Number:	-
Floor:	1st
Building Name:	101 Sujal Apartments
Road/Street Name:	Road, Near Mhatre Bridge
Locality:	Patwardhan Baug
City:	Pune
11.Area of the project	PMRDA (Town Planning)
12.IOD/IOA/Concession/Plan Approval Number	Sanctioned by PMRDA IOD/IOA/Concession/Plan Approval Number: BMU/MOU.SUS/S.NO. 24/3/1 & OTHERS / CR.NO.1717 / 16-17 / Date 12-03-2018 Approved Built-up Area: 35645.66
13.Note on the initiated work (If applicable)	A Bldg - RCC Complete upto 4 floors. From 5th to 11th Floor RCC Completed as per Sanction received, B - Bldg - RCC & Brickwork completed Upto 11 Floor as per sanction, C - Bldg - RCC & Brickwork completed Upto 11 Floor as per sanction, D - Bldg - RCC & Brickwork completed Upto 11 Floor as per sanction
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	Existing Plot area - 14,370 sqm, Additional Plot Area - 1500 sqm, Total Including Expansion 15870 sqm
16.Deductions	Existing - 2647.42 sqm, Proposed - 2293.96 sqm, Total - 2293.96 sqm
17.Net Plot area	Existing - 11,722.58 sqm, proposed - 1275 sqm, Total - 12997.58 sqm
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): Existing - 17,666.67 sqm, Proposed - 1626.02 sqm, Total - 19292.69 sqm b) Non FSI area (sq. m.): Existing - 15,753.50 sqm, Proposed - 599.47 sqm, Total - 16352.97sqm c) Total BUA area (sq. m.): 35645.66
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 19292.69 Approved Non FSI area (sq. m.): 16352.97 Date of Approval: 12-03-2018
19.Total ground coverage (m2)	3613.94 sqm



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20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	25 %
21.Estimated cost of the project	550000000

22.Number of buildings & its configuration

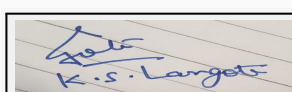
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building A	As per previous EC - P+12, Proposed - P+11	As Per Previous EC - 37.05 m, Proposed - 34.20m
2	Building B	As Per Previous EC - P+12, Proposed - P+11	As Per Previous EC - 37.05 m, Proposed - 34.20m
3	Building C	As Per Previous EC - P+10, Proposed - P+1, Total - P+11	As Per Previous EC - 31.35 m, Proposed - 2.85m, Total 34.20m
4	Building D	As Per Previous EC P+10, Proposed - P+1, Total - P+11	As Per Previous EC - 31.35 m, Proposed - 2.85m, Total 34.20m
5	Commercial: Amenity Building	As Per Previous EC P+ 6, Proposed - P+5	As Per Previous EC - 22.10 m, Proposed - 19.73m
6	Clubhouse	G+1	7.92 m

23.Number of tenants and shops	Existing Tenements: 283 Proposed Tenements: 1 Total: 284 Existing No. of Offices: 24 Proposed No. of Offices:0 Total: 24
24.Number of expected residents / users	Residential: Existing-1415, Proposed - 5, Total - 1420 Commercial:Existing - 225 , Total: 226
25.Tenant density per hectare	250 tenement/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))	24 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	A Bldg - RCC Complete upto 4 floors. From 5th to 11th Floor RCC Completed as per Sanction received, B - Bldg - RCC & Brickwork completed Upto 11 Floor as per sanction, C - Bldg - RCC & Brickwork completed Upto 11 Floor as per sanction, D - Bldg - RCC & Brickwork completed Upto 11 Floor as per sanction
30.Details of the demolition with disposal (If applicable)	Not Applicable

31.Production Details

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

32.Total Water Requirement



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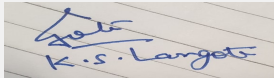
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Dry season:	Source of water	Sus Gram Panchayat								
	Fresh water (CMD):	134 KL								
	Recycled water - Flushing (CMD):	72 KL								
	Recycled water - Gardening (CMD):	30 KL								
	Swimming pool make up (Cum):	NA								
	Total Water Requirement (CMD) :	236 KL								
	Fire fighting - Underground water tank(CMD):	200 KL								
	Fire fighting - Overhead water tank(CMD):	100 KL								
	Excess treated water	84								
Wet season:	Source of water	Sus Gram Panchayat								
	Fresh water (CMD):	134 KL								
	Recycled water - Flushing (CMD):	72 KL								
	Recycled water - Gardening (CMD):	0								
	Swimming pool make up (Cum):	NA								
	Total Water Requirement (CMD) :	206 KL								
	Fire fighting - Underground water tank(CMD):	200 KL								
	Fire fighting - Overhead water tank(CMD):	100 KL								
	Excess treated water	114								
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	134	134	Not applicable	10	10	Not applicable	186	186	
Gardening	Not applicable	30	30	Not applicable	30	30	Not applicable	0	0	



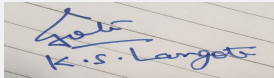
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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	64 m
	Size and no of RWH tank(s) and Quantity:	Not applicable
	Location of the RWH tank(s):	Not applicable
	Quantity of recharge pits:	7 no. with borewell
	Size of recharge pits :	1 m x 2 m x 1.5 m
	Budgetary allocation (Capital cost) :	Rs 1,98,8000/-
	Budgetary allocation (O & M cost) :	Rs 13,200/- per annum
	Details of UGT tanks if any :	Domestic UGT: 191 KL Flushing UGT: 74 KL (considered in STP) Fire UGT: 200 KL
35.Storm water drainage	Natural water drainage pattern:	As per contour
	Quantity of storm water:	8066 cum/year
	Size of SWD:	300 mm to 600 mm with slope 1:200
Sewage and Waste water	Sewage generation in KLD:	186 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	1 no. with capacity:198 KL
	Location & area of the STP:	Please refer layout
	Budgetary allocation (Capital cost):	Rs 60,00,000/-
	Budgetary allocation (O & M cost):	Rs 12,33,300/- per annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Not applicable
	Disposal of the construction waste debris:	Land filling on same site
Waste generation in the operation Phase:	Dry waste:	280 kg/day
	Wet waste:	420 kg/day
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	28.25 kg/day
	Others if any:	E- waste



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Mode of Disposal of waste:	Dry waste:	Through Authorized vendors
	Wet waste:	Mechanical composter
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Manure
	Others if any:	E-waste disposal through authorize vender
Area requirement:	Location(s):	Please refer layout
	Area for the storage of waste & other material:	37.5 sqm
	Area for machinery:	15 sqm
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs 15,00,000/-
	O & M cost:	Rs 1,50,000/- per annum

37. Effluent Charecterestics

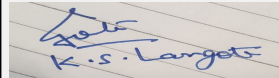
Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	Not applicable	6.0-8.5	5.5-7.0	Not applicable
2	Oil & Grease	mg/l	10 - 20	< 10	Not applicable
3	BOD	mg/l	200-250	< 10	Not to exceed 10
4	COD	mg/l	350-450	<60	Not to exceed 100
5	Total Suspended solids	mg/l	150-200	<10	Not to exceed 50
6	Total nitrogen	mg/l	120	<50	Not applicable
7	Nitrate	mg/l	15-16	<10	Not applicable
8	Dissolve Phosphate	mg/l	13-15	<5	Not applicable
9	Fecal coliform	MPN	1000000	Nil	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

38. Hazardous Waste Details

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

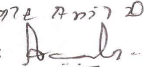
39. Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases


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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 :	Existing- 1380.72 sqm, Proposed -173.71 sqm, Total 1554.43 sqm
	No of trees to be cut :	Not applicable
	Number of trees to be planted :	231
	List of proposed native trees :	As per below list
	Timeline for completion of plantation :	1 year

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

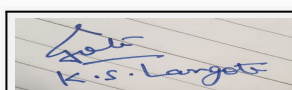
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Bauhinia alba	Kanchan white	22	Native, Drought tolerant, flowering, ornamental, attracts insects
2	Bauhinia purpurea	Kanchan	35	Medicinal, drought tolerant
3	Crataeva nurvula	Vayvarna	20	Medicinal, drought tolerant
4	Cordia sebestena	Cordia speci	25	Medicinal, drought tolerant, bird attracting, hardy
5	Dillenia indica	Karmal	45	Drought tolerant, edible fruits, well flowering, honey bee attracting species, host plant for butterfly
6	Erythrina indica	Pangara	3	Native, drought tolerant, hanrdy, flower and insect attracting species
7	Lagerstromia speciosa	Taman	24	Native, medicinal, soil erosion control
8	Mangifera indica	Mango	15	Native, drought tolerant, edible fruits, bird attracting
9	Mimusops elengi	Bakul	42	Medicinal value, fragrant flowers, butterfly larvae host plant, fast growing

45.Total quantity of plants on ground

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

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

47.Energy



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Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	30 KW
	DG set as Power back-up during construction phase	40 kVA x 1
	During Operation phase (Connected load):	Existing- 1229.24 KW Proposed - 729.76 KW Total - 1959 KW
	During Operation phase (Demand load):	Existing - 496 KW Proposed - 425KW Total 925 KW
	Transformer:	Existing - 630 KVA x 1 Proposed - 630 KVA x 1 Total - 630 KVA x 2
	DG set as Power back-up during operation phase:	160 KVA x 1
	Fuel used:	diesel
	Details of high tension line passing through the plot if any:	Not applicable

48. Energy saving by non-conventional method:

- Use of T5+ LED fixtures with electronic Ballast against T8+ CFL
- Motion sensors are proposed for parking areas & use of LED in common area
- Use of non conventional energy i.e. Solar water heating system.
- Energy efficient transformer
- Solar lighting for common areas.

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Use of T5 + LED	26937 kwh/annum
2	Energy saving by LED in common and parking area	17432.4 kwh/annum
3	Solar water heater	445725 kwh/annum
4	Street lighting	11957.4 kwh/annum
5	Transformer saving	8830.08 kwh/annum

50. Details of pollution control Systems

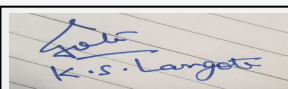
Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs 42,09,625/-
	O & M cost:	Rs 2,10,482/- per annum

51. Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Erosion Control	Dust control measures, barricading	Rs 4,00,000



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2	Site safety	Safety nets, safety equipments	Rs 3,50,000
3	Site sanitation	Toilets and cleanliness for labourers	Rs 1,50,000
4	Disinfection and health checkups	monitoring of health of labourers and hygiene	Rs 1,00,000
5	Environmental monitoring	Air, water, soil monitoring	Rs 1,00,000

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP	Installation and civil cost for 198 KLD capacity	Rs 60,00,000	Rs 12,33,300
2	Drainage line cost	upto final disposal	Rs 5,60,000	Rs 17,000
3	Rain water harvesting	internal piping	Rs1,98,000	Rs13,200
4	Storm water networking	upto final disposal	Rs10,46,000	Rs 31,000
5	storm water line cost	upto final disposal	Rs 6,00,000	Rs 18,000
6	Solid waste management	Installation and operation	Rs15,00,000	Rs 1,50,000
7	Green belt development	Plantation of trees and lawn	Rs 64,67,140	Rs 3,70,214
8	Energy saving measures (including solar water heater)	Installation and operation	Rs 42,09,625	Rs 2,10,482
9	Environmental monitoring	Air, water, soil, noise monitoring	0	Rs 1,60,000
10	Safety, training and awareness	Fire safety	Rs 9,00,000	0
11	Water tanker supply	in case of emergency	Fixed amount will be taken from the purchaser at the time of purchase (Rs 1,00,000/- per flat)	0

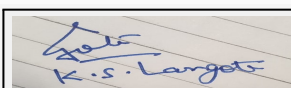
51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)

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

52.Any Other Information

No Information Available

53.Traffic Management



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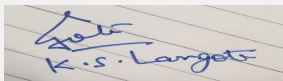
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	Nos. of the junction to the main road & design of confluence:	1
Parking details:	Number and area of basement:	0
	Number and area of podia:	0
	Total Parking area:	Existing - 4726 sqm Proposed - 4574.4 sqm Total - 4574.4 sqm
	Area per car:	30 sqm
	Area per car:	30 sqm
	Number of 2-Wheelers as approved by competent authority:	Existing - 322 Proposed - 30 Total - 352
	Number of 4-Wheelers as approved by competent authority:	Existing - 109 Proposed - 101 Total - 101
	Public Transport:	Not applicable
	Width of all Internal roads (m):	9 m
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable
	Category as per schedule of EIA Notification sheet	8 a (B-2)
	Court cases pending if any	No
	Other Relevant Informations	Not applicable
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	18-05-2016
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 Expansion of Residential and Commercial Construction project at S.No.24/3/1, 24/3/2, 24/3/3, 24/4, 24/5A, 24/7C/1, 24/7A, 24/4, 24/7C/1, 24/7C/2, 24/6, 24/5B,24/7B Mauje-Sus, Tal-Mulshi, Dist. Pune.by M/s. Vilas Javdekar & Sanjeevani Developers LLP.

PP submitted their application for prior Environmental clearance for total plot area of 15870 Sq. Mtrs, BUA of 35645.66 Sq. Mtrs and FSI area of 19292.69 Sq. Mtrs. PP proposes to construct 4 no. residential & 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

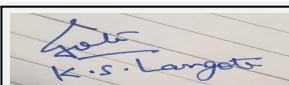
SEAC decided to recommend the proposal for prior environmental Clearance, subject to PP complying with the above conditions.

Specific Conditions by SEAC:

- 1) PP to submit undertaking for sustainable water supply.
- 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.
- 3) PP to upload plan for sewer line connectivity up to final disposal point.

FINAL RECOMMENDATION

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



**K.S.Langote (Secretary
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Agenda for 67 th Meeting of SEAC-3 (Day-2)

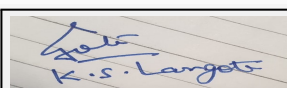
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Subject: Environment Clearance for Proposed IT Building

Is a Violation Case: No

1.Name of Project	Prestige Alphatech
2.Type of institution	Private
3.Name of Project Proponent	M/s. Prestige Exora Business Parks Limited
4.Name of Consultant	M/s. A & N Technologies
5.Type of project	Other - IT Building
6.New project/expansion in existing project/modernization/diversification in existing project	Modernization
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes. There is an EC for the said project site in the name of M/s. Zenith Ventures vide No. 21-1217/2007-IA.III dated 29th April 2010, for the built up area of 35,185 Sqmt for the construction of Shopping Mall & Multiplex on a plot area of 37,160 Sqmt. The construction work was started with respect to previous Environmental Clearance & excavation was done for some portion & the project was stalled due to some internal reasons. Now the land owner made a Joint Development with M/s. Prestige Exora B
8.Location of the project	S. No. 39/2 & 39/2B, P. No. A1+A2+C2-6, Kharadi, Pune.
9.Taluka	Haveli
10.Village	Kharadi
Correspondence Name:	M/s. Prestige Exora Business Parks Limited
Room Number:	NA
Floor:	NA
Building Name:	The Falcon House, No.1
Road/Street Name:	Main Guard Cross Road
Locality:	Bengaluru
City:	Bengaluru
11.Area of the project	Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: Under Process
	Approved Built-up Area: 110718
13.Note on the initiated work (If applicable)	Part excavation for basement is done as per earlier sanctioned plans, by earlier owner.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Water NOC, Provisional Fire NOC and Drainage NOC obtained
15.Total Plot Area (sq. m.)	22,637.95
16.Deductions	7,966.26
17.Net Plot area	14,671.69
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 49,709.01
	b) Non FSI area (sq. m.): 61,009.05
	c) Total BUA area (sq. m.): 110718
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)	5,072.62
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	34.57
21.Estimated cost of the project	2800000000

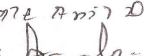
22.Number of buildings & its configuration



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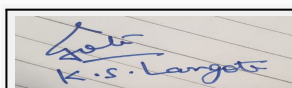
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	1	3B+GR+16UF	69.90
23.Number of tenants and shops	NA		
24.Number of expected residents / users	5,502 Nos.		
25.Tenant density per hectare	2,435 Nos.		
26.Height of the building(s)			
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	45 m		
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	The dedicated driveway around the building is indicated as 6.0 m in the drawings and the turning radius is 5 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

Dry season:	Source of water	Pune Municipal Corporation
	Fresh water (CMD):	291
	Recycled water - Flushing (CMD):	91
	Recycled water - Gardening (CMD):	68
	Swimming pool make up (Cum):	Not Applicable
	Total Water Requirement (CMD) :	382
	Fire fighting - Underground water tank(CMD):	500
	Fire fighting - Overhead water tank(CMD):	20
	Excess treated water	168



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Wet season:	Source of water	Pune Municipal Corporation
	Fresh water (CMD):	139
	Recycled water - Flushing (CMD):	91
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	Not Applicable
	Total Water Requirement (CMD) :	230
	Fire fighting - Underground water tank(CMD):	500
	Fire fighting - Overhead water tank(CMD):	20
	Excess treated water	236

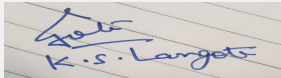
Details of Swimming pool (If any) Not Applicable

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	382	382	Not applicable	38	38	Not applicable	344	344

34.Rain Water Harvesting (RWH)	Level of the Ground water table:	Not Encountered upto 10m
	Size and no of RWH tank(s) and Quantity:	152 Cum of 1 No.
	Location of the RWH tank(s):	East of South East of the project site
	Quantity of recharge pits:	19 Nos.
	Size of recharge pits :	1.2 m dia, 25m depth
	Budgetary allocation (Capital cost) :	Rs. 5.0 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 2.0 Lakhs/Annum
	Details of UGT tanks if any :	Raw Water Sump 135 Cum X 2 Nos. Fire Water Sump 250 Cum X 2 Nos.

35.Storm water drainage	Natural water drainage pattern:	South to North direction
	Quantity of storm water:	94 Cum
	Size of SWD:	600mm



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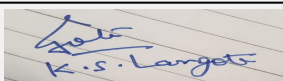
Sewage and Waste water	Sewage generation in KLD:	344
	STP technology:	Moving Bed Bio-Reactor Technology
	Capacity of STP (CMD):	1 No. of 350 KLD
	Location & area of the STP:	South East corner of the project site. Area 214 Sqmt
	Budgetary allocation (Capital cost):	Rs. 80 Lakhs
	Budgetary allocation (O & M cost):	Rs. 7.5 Lakhs/Annum

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	Waste generation:	150 kg/day of solid waste
	Disposal of the construction waste debris:	The construction debris will be reused within the site
Waste generation in the operation Phase:	Dry waste:	0.55 MT/day
	Wet waste:	1.10 MT/day
	Hazardous waste:	Waste Oil - 2.9 l/hr
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	17.5 kg/day
	Others if any:	Not Applicable
Mode of Disposal of waste:	Dry waste:	Dry waste will be handed over to authorised vendors
	Wet waste:	Wet will be treated organic waste converter
	Hazardous waste:	Hazardous waste will be handed over to MPCB authorised waste oil recyclers
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	STP sludge will be used as manure for gardening
	Others if any:	Not Applicable
Area requirement:	Location(s):	East of South East of the project site
	Area for the storage of waste & other material:	100 Sqmt
	Area for machinery:	100 Sqmt
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 3.0 Lakh
	O & M cost:	Rs. 2.5 Lakh/Annum

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			



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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	Spent Oil	5.1	liter/hr	Not applicable	2.9	2.9	Hazardous waste will be handed over to MPCB authorised waste oil recyclers

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 (1500 kVA)	1257 l/hr	4	81.9	0.3	--

40.Details of Fuel to be used

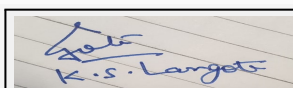
Serial Number	Type of Fuel	Existing	Proposed	Total
1	Heigh Speed Diesel	Not applicable	1257 l/hr	1257 l/hr
41.Source of Fuel		From authorised vendors		
42.Mode of Transportation of fuel to site		By Road		

43.Green Belt Development	Total RG area :	1697.89 Sqmt
	No of trees to be cut :	There are no tree in the project site
	Number of trees to be planted :	183 Nos.
	List of proposed native trees :	Blackboard Tree, Golden Shower Tree, Orange Geiger Tree, Blue Gulmohar, Champaka Tree, Copperpod Tree
	Timeline for completion of plantation :	3 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	Alstonia scholaris	Blackboard Tree	26	--
2	Cassia fistula	Golden Shower Tree	30	--
3	Cordia sebestena	Orange Geiger Tree	33	--
4	Jacaranda mimosifolia	Blue Gulmohar	38	--
5	Michelia champaca	Champaka Tree	28	--
6	Peltophorum ferrugineum	Copperpod Tree	28	--

45.Total quantity of plants on ground



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

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

47.Energy

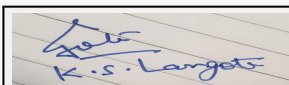
Power requirement:	Source of power supply :	Maharashtra State Electricity Distribution Co. Ltd.
	During Construction Phase: (Demand Load)	200 kVA
	DG set as Power back-up during construction phase	250 kVA 1 No.
	During Operation phase (Connected load):	4021 kVA
	During Operation phase (Demand load):	4021 kVA
	Transformer:	2,500 kVA X 2 Nos.
	DG set as Power back-up during operation phase:	1,500 kVA X 4 Nos.
	Fuel used:	HSD 1257 l/hr
Details of high tension line passing through the plot if any:	Not applicable	

48.Energy saving by non-conventional method:

- 1.Power savings due to solar PV panels = 0.25%
 - 2.Power savings through HF Ballast = 0.74%
 - 3.Power savings on Cu. Wound transformer = 0.33%
 - 4.Power savings through LED = 0.61%
 - 5.Energy Savings due to Lower LPD (Lighting Load) = 3.99%
 - 6.Time switch control for parking lighting = 0.06%
 - 7.Energy saving due to VFD drives = 1.46%
 - 8.Power factor maintenance = 5.00%
- Total Energy Saved with above measures = 12.44%

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Power savings due to solar PV panels	0.25%
2	Power savings through HF Ballast	0.74%
3	Power savings on Cu. Wound transformer	0.33%
4	Power savings through LED	0.61%
5	Energy Savings due to Lower LPD (Lighting Load)	3.99%
6	Time switch control for parking lighting	0.06%
7	Energy saving due to VFD drives	1.46%
8	Power factor maintenance	5.00%
9	Total Energy Saved with above measures	12.44%



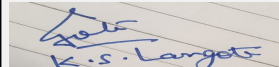
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50.Details of pollution control Systems				
Source	Existing pollution control system		Proposed to be installed	
STP	Not applicable		350 KLD	
OWC	Not applicable		1100 kg	
DG Sets	Not applicable		1500 kVA 4 Nos.	
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 5 Lakh		
	O & M cost:	Rs. 1 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	Water	Purchase of water from external authorized suppliers	10.5	
2	Solid waste	Disposal of Solid Waste from project site	1.5	
3	Landscape	Plantations of saplings around the periphery and maintenance	2.0	
4	Monitoring	Environmental Monitoring -Air, water, Noise	1.0	
5	EMP	EMP cell	4.0	
6	Total	--	19.0	
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	--	80.0	7.5
2	Rain Water Harvesting facilities	--	5.0	2.0
3	Landscape Development	--	5.0	5.0
4	Air Pollution Control	--	5.0	1.0
5	OWC	--	3.0	2.5
6	Environmental Monitoring	--	--	1.0
7	EMP Cell	--	--	4.0
8	Total	--	98.0	23.0
51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)				



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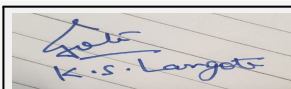
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52. Any Other Information

No Information Available

53. Traffic Management

	Nos. of the junction to the main road & design of confluence:	1 No.
Parking details:	Number and area of basement:	3 Basements with 29,644.29 Sqmt area
	Number and area of podia:	NA
	Total Parking area:	34,977.21 Sqmt
	Area per car:	12.50 Sqmt
	Area per car:	12.50 Sqmt
	Number of 2-Wheelers as approved by competent authority:	2834 Nos.
	Number of 4-Wheelers as approved by competent authority:	1182 Nos.
	Public Transport:	No
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Vetal Tekdi Reserved Forest = 12.40 km
	Category as per schedule of EIA Notification sheet	8 (a) B2
	Court cases pending if any	Not Any
	Other Relevant Informations	--



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	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	25-01-2018

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summarised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for Proposed IT Building, Prestige Alphatech at S. No. 39/2 & 39/2B, P. No. A1+A2+C2-6, Kharadi, Pune. by M/s. Prestige Exora Business Parks Limited.

PP submitted their application for prior Environmental clearance for total plot area of 22637.95 Sq. Mtrs, BUA of 110718 Sq. Mtrs and FSI area of 49709.01 Sq. Mtrs. PP proposes to construct 1 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

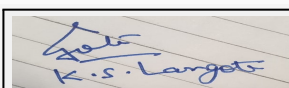
PP requested for time to submit above information; after deliberations committee asked PP to comply with the above observations and submit information to the committee for further discussion and consideration of SEAC.

Specific Conditions by SEAC:

- 1) PP to submit disaster management plan with emergency services, committee, lightning arrester plan and costing.
- 2) PP to submit debris management plan considering volume of top soil, excess earth and specific NOC for dump.
- 3) PP to submit solid waste management plan.
- 4) PP to submit undertaking for sustainable water supply.
- 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

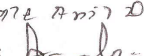
SEAC-III decided to defer the proposal till PP submits the additional information as per above conditions within 30 days



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Agenda for 67 th Meeting of SEAC-3 (Day-2)

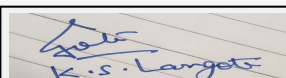
SEAC Meeting number: 67 Meeting Date August 20, 2018

Subject: Environment Clearance for Propsoed Residential Project Anant Srishti at Gat No. 387 and 404, Jambhul, Maval Taluka, Pune,By M/s Landscape Realty

Is a Violation Case: No

1.Name of Project	Propsoed Residential Project Anant Srishti at Gat No. 387 and 404, Jambhul, Maval Taluka, Pune,By M/s Landscape Realty
2.Type of institution	Private
3.Name of Project Proponent	Mr. Amol Tavildar
4.Name of Consultant	VK:e environmental LLP
5.Type of project	Residential
6.New project/expansion in existing project/modernization/diversification in existing project	Amendment
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	EC received earlier dated 18th October 2012
8.Location of the project	Gat No. 387 and 404,
9.Taluka	Maval
10.Village	Jambhul
Correspondence Name:	Landscape realty
Room Number:	01, Amelia, Lakai Road
Floor:	01, Amelia, Lakai Road
Building Name:	Nr. Ambassador Hotel
Road/Street Name:	Opp. Pratibha Nursing Home
Locality:	Model Colony
City:	Pune
11.Area of the project	PMRDA
12.IOD/IOA/Concession/Plan Approval Number	Under process
	IOD/IOA/Concession/Plan Approval Number: Under process
	Approved Built-up Area: 101131.6
13.Note on the initiated work (If applicable)	Residential buildings exists on site as per EC received earlier dated 18th October 2012
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	130890.00
16.Deductions	Road wide RP: 22181.32 m2 Balance plot area: 108708.68 m2 Amenity space: 16315.57 m2
17.Net Plot area	92393.11 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 101131.66
	b) Non FSI area (sq. m.): 24035.22
	c) Total BUA area (sq. m.): 125166.8
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.):
	Approved Non FSI area (sq. m.):
	Date of Approval: 04-09-2018
19.Total ground coverage (m2)	20163.09
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	21.8
21.Estimated cost of the project	2750000000.00

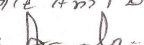
22.Number of buildings & its configuration



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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building H	P+07	24.0
2	Building I	P+07	24.0
3	Building J	P+07	24.0
4	Building K	P+09	30.0
5	Building L	P +12	37.05
6	Building M	LP+UP+12	37.05
7	Building N	LP+UP+12	37.05
8	Building O	P +12	37.05
9	Building P	P +09	30.00
10	Building Q	P +07	24.00
11	Building R	P+12	37.05
12	Building S1	P+10	31.35
13	Building S2	P+10	31.35
14	Building U	P+10	31.35
15	Building W	P+12	37.05
16	Row house	G+1	6.7
17	Bungalows	P+2	9.7
18	1Commercial	G+1	8.25

23.Number of tenants and shops No. of tenements : 1230 flats + 123 bungalows, 32 row houses
No. of shops: 45 shops

24.Number of expected residents / users Residential Tenants: 6925 Commercial users: 398 Total population: 7323

25.Tenant density per hectare 105 Tenements/hectare 529 Tenants/hectare

26.Height of the building(s)

27.Right of way (Width of the road from the nearest fire station to the proposed building(s)) 30 M

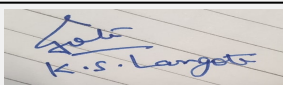
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation 9.0 m

29.Existing structure (s) if any Residential buildings exists on site as per EC received earlier dated 18th October 2012

30.Details of the demolition with disposal (If applicable) Not applicable

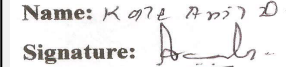
31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
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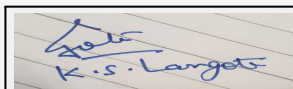
1	Not applicable	Not applicable	Not applicable	Not applicable
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32.Total Water Requirement

Dry season:	Source of water	Jambhul Grampanchayat							
	Fresh water (CMD):	631							
	Recycled water - Flushing (CMD):	321							
	Recycled water - Gardening (CMD):	75							
	Swimming pool make up (Cum):	3.4							
	Total Water Requirement (CMD) :	1030							
	Fire fighting - Underground water tank(CMD):	300							
	Fire fighting - Overhead water tank(CMD):	25, 5							
	Excess treated water	444							
Wet season:	Source of water	Jambhul Grampanchayat							
	Fresh water (CMD):	631							
	Recycled water - Flushing (CMD):	321							
	Recycled water - Gardening (CMD):	0							
	Swimming pool make up (Cum):	3.4							
	Total Water Requirement (CMD) :	955							
	Fire fighting - Underground water tank(CMD):	300							
	Fire fighting - Overhead water tank(CMD):	25, 5							
	Excess treated water	519							
Details of Swimming pool (If any)	Volume of Swimming Pool: 86.4 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)		
	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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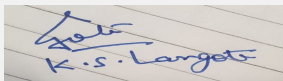
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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	Pre monsoon : 6.60m bgl Post monsoon : 3.60 m bgl
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	7 + 2 existing recharge borewell with pits is proposed
	Size of recharge pits :	2m x 2m x 2m, Dimension of recharge borewell: 178mm diameter with 60 m depth
	Budgetary allocation (Capital cost) :	64,67,000/-
	Budgetary allocation (O & M cost) :	43,000/-
	Details of UGT tanks if any :	Fire tank capacity : 300 kld and 100 kld
35.Storm water drainage	Natural water drainage pattern:	The storm water drainage will be designed according to contours. The storm water collected through the storm water drains of adequate capacity will be led to recharge pits.
	Quantity of storm water:	261031.10 m3/year
	Size of SWD:	900 mm
Sewage and Waste water	Sewage generation in KLD:	857
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	6 nos. STP are proposed of total capacity 885 kld
	Location & area of the STP:	486 sqm
	Budgetary allocation (Capital cost):	280,00,000/-
	Budgetary allocation (O & M cost):	44,91,000/-
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	- Dry waste (Kg/day): 16 kg/day -Wet waste (Kg/day): 24 kg/day -Total waste generated: 40 kg/day
	Disposal of the construction waste debris:	The Construction waste generated during construction shall be segregated, reused on site and surplus shall be led to scrap dealers for recycling
Waste generation in the operation Phase:	Dry waste:	1444.7 kg/day
	Wet waste:	2117.3 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	177 kg/day
	Others if any:	NA



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Mode of Disposal of waste:	Dry waste:	Will be handed over to SWaCH.
	Wet waste:	will be treated in Biogas Plant
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Dried sludge from STP will be used as manure.
	Others if any:	NA
Area requirement:	Location(s):	On ground
	Area for the storage of waste & other material:	332.4 m ²
	Area for machinery:	332.4 m ²
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	59,40,000/-
	O & M cost:	5,34,000/-

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

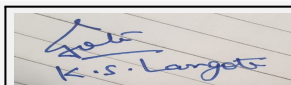
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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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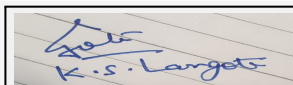
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43.Green Belt Development	Total RG area :	10894.64 sqm.
	No of trees to be cut :	0
	Number of trees to be planted :	Number of trees planted as per EC received - 410, Total no. of trees required for plantation (species of MOEF Guidelines)-1358, Total no. of trees proposed for plantation : 948
	List of proposed native trees :	Refer below list
	Timeline for completion of plantation :	Till operation 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	Albizia lebbek	Shirish	15	Shady tree, yellowish green fragrant flowers
2	Azadiracta indica	Neem	35	Evergreen tree, fast growing
3	Saraca asoka	Sita Ashok	40	Shady tree with red-yellow flowers.
4	Anthocephallus cadamba	Kadamba	32	Shady, large tree, bell shaped flowers.
5	Lagerstroemia flosregineae	Tamhan	40	State flower tree of Maharashtra. Medium sized tree, beautiful purple flower
6	Murraya paniculata	Kunti	30	Small tree, Fragrant white flowers, Butterfly host plant
7	Manilkara zapota	Chiku	40	Medium size , fruit bearing tree
8	Mangifera indica	Mango	55	Tall, fruit bearing tree
9	Syzygium cumini	Jambhul	45	Dense ornamental, fruit bearing tree
10	Psidium guajava	Peru	55	Medium size , fruit bearing tree
11	Ficus retusa	Nandruk	55	Medium sized evergreen tree, Shady tree
12	Michelia champaca	Son chafa	30	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
13	Caryota urens	Fish tail palm	28	Tall evergreen tree
14	Terminalia catapa	Badam	30	drought tolerant
15	Terminalia arjuna	Arjuna	35	Large evergreen tree
16	Lagerstromia Lanceolata	Crape-myrtle	40	Medium deciduous tree. Flowers attract many birds
17	Dalbergia latifolia	Shisham, Indian Rosewood	40	drought tolerant
18	Terminalia paniculata	Kindal	30	drought tolerant
19	Samanea saman	Rain tree	40	Large deciduous tree. Flowering
20	Tabebuia avellanedae	Tabebui pink	35	Large deciduous tree. Pink flowers
21	Tabebuia argentea	Tabebui yellow	30	Deciduous tree, ornamental, yellow flowers
22	Swietenia mahagoni	Mahagony	30	Large evergreen tree
23	Barringtonia racemosa	Cornbeefwood	30	drought tolerant



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24	Nytcanthes arbor-tritis	Parijatak	25	Small deciduous fast growing tree
25	Bauhinia racemosa	Apta	25	Small tree with small white flowers, Butterfly host plant
26	Erythrina indica	Pangara	28	Medium sized deciduous tree. Bright scarlet flowers.
27	Plumeria alba	Chafa	30	Fragrant white-yellow 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

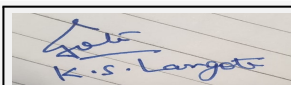
Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	Connected Load: 600 KW
	DG set as Power back-up during construction phase	1 no. of 125 kvA
	During Operation phase (Connected load):	3041.93 kvA
	During Operation phase (Demand load):	7604.2 KW
	Transformer:	6 nos. of 630 kvA
	DG set as Power back-up during operation phase:	4no. 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:

USING T5+ LED FIXTURES WITH ELECTRONIC BALLAST AGAINST T8+ CFL
 USING AUTOMATIC TIMER OPERATION AGAINST MANUAL OPEARATION FOR EXTERNAL LIGHTING
 USING HIGH EFFICIENT TRANSFORMER AGAINST CONVENTIONAL TRANSFORMER
 T5 LED Tube for Parking
 T8 Tube for parking
 LED for Common area
 T8 Tube for Common area

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
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1	USING T5+ LED FIXTURES WITH ELECTRONIC BALLAST AGAINST T8+ CFL USING AUTOMATIC TIMER OPERATION AGAINST MANUAL OPEARATION FOR EXTERNAL LIGHTING USING HIGH EFFICIENT TRANSFORMER AGAINST CONVENTIONAL TRANSFORMER T5 LED Tube for Parking T8 Tube for parking LED for Common area T8 Tube for Common area	14.8 %
---	--	--------

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:	48,75,000/-
	O & M cost:	7,50,000/-

51.Environmental Management plan Budgetary Allocation

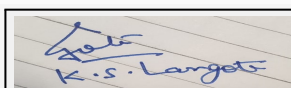
a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Erosion control - dust suppression measures, barricading and top soil preservation	13,00,000/-
2	Land	Labour Camp toilets & sanitation	9,60,000/-
3	Health & Safety	Labour Safety Equipments and training	8,00,000/-
4	Environment	Environmental Monitoring	1,85,600/-
5	Health & Safety	Disinfection and Health Check-ups	96,000/-
6	Environment Managment	Environmental Monitoring cell	1,70,000/-

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	Recharge pits	64,47,000/-	43,000/-
2	Sewage Treatment Plant	6 nos. of STP	280,81,000/-	44,91,000/-
3	Biogas Plant	Solid Waste Management	59,40,000/-	5,34,000/-
4	Tree Plantation	Tree Plantation	129,00,000/-	4,15,000/-
5	Energy saving	Energy saving	48,75,000/-	7,50,000/-
6	Environment Monitoring	Air, water, noise, soil, owc manure	-	1,82,500/-

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



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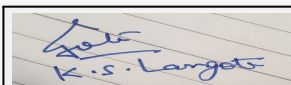
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52. Any Other Information

No Information Available

53. Traffic Management

	Nos. of the junction to the main road & design of confluence:	Proposed site is located at Jambhul. The road network within the site has been designed to cater to the traffic loads of the project. Internal driveways are 6 m wide ,9 m and 12 m wide road.
Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	11079.20 sqm
	Area per car:	12.5
	Area per car:	12.5
	Number of 2-Wheelers as approved by competent authority:	1613
	Number of 4-Wheelers as approved by competent authority:	547
	Public Transport:	NA
	Width of all Internal roads (m):	Internal driveways are 6 m wide ,9 m and 12 m wide road.
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	Building and Construction Projects
	Court cases pending if any	NA
	Other Relevant Informations	The subject project has received EC earlier on 18th October 2012



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	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summarised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for Propsoed Residential Project Anant Srishti at Gat No. 387 and 404, Jambhul, Maval Taluka, Pune, By M/s Landscape Realty.

PP submitted their application for prior Environmental clearance for total plot area of 92393.11 Sq. Mtrs, BUA of 125166.8 Sq. Mtrs and FSI area of 101131.66 Sq. Mtrs. PP proposes to construct 16 no. Residential & commercial building + 1 row house, 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

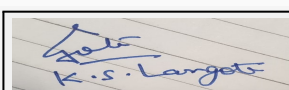
PP requested for time to submit above information; after deliberations committee asked PP to comply with the above observations and submit information to the committee for further discussion and consideration of SEAC.

Specific Conditions by SEAC:

- 1) PP to submit NOC for laying of SWD through 30 m wide DP road.
- 2) PP to submit plan showing SWD disposal up to final disposal point.
- 3) PP to submit cross section at 6-7 places including UGT, OWC and DG set location showing clear road width 6 meter, 1.5 meter distance left from building line & spaces left for plantation, parking, service lines, foot paths, etc.
- 4) PP to submit energy saving calculation along with terrace area calculations.
- 5) PP to provide mandatory RG area on virgin land and submit the drawing with calculations
- 6) PP to submit details of socioeconomic infrastructure within project vicinity especially primary school, market etc.
- 7) PP to submit parking statement required as per DCR & provide details at various levels such as lower ground & upper ground.
- 8) PP to submit an indemnity bond for project land.
- 9) PP to submit cross section through UGT with top of tank, and maintain some distance above the ground level.
- 10) PP to submit phase wise programme considering wind rose diagram.
- 11) PP to submit revised EMP along with cost.
- 12) PP to submit CFO NOC.
- 13) PP to submit undertaking for sustainable water supply.
- 14) PP to submit six monthly compliance reports also submit the compliance of visit of RO, MoEF, Nagpur.
- 15) 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

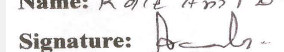
SEAC-III decided to defer the proposal till PP submits the additional information as per above conditions within 30 days



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Agenda for 67 th Meeting of SEAC-3 (Day-2)

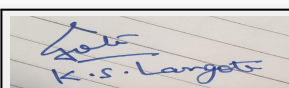
SEAC Meeting number: 67 Meeting Date August 20, 2018

Subject: Environment Clearance for Proposed Environmental Clearance of Proposed Residential Development

Is a Violation Case: No

1.Name of Project	Proposed Environmental Clearance of Proposed Residential Development
2.Type of institution	Private
3.Name of Project Proponent	Godrej Skyline Developers Pvt. Ltd.
4.Name of Consultant	Building Environment India Pvt.Ltd.
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Plot bearing S.No 10/1A/3, 10/1B, 11/1A, 11/2A (P), 11/3, 11/4 (P), 11/4/2, 11/1B, 12/1, 12/2/1, 12/2/2, 12/2/3, 13/2 & 13/1/B (P)
9.Taluka	Haveli
10.Village	Mamurdi
Correspondence Name:	Godrej Skyline Developers Pvt. Ltd. Godrej Eternia, 10th Floor, C wing, Wakdewadi, Shivaji Nagar, Pune: - 411003.
Room Number:	--
Floor:	10th Floor, C wing
Building Name:	Godrej Eternia,
Road/Street Name:	Wakdewadi,
Locality:	Shivaji Nagar
City:	Pune
11.Area of the project	Pimpri Chinchwad Municipal Corporation (PCMC)
12.IOD/IOA/Concession/Plan Approval Number	Applied IOD/IOA/Concession/Plan Approval Number: IOD Applied Approved Built-up Area: 182500.00
13.Note on the initiated work (If applicable)	Construction Not Yet started
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	Total Plot area: 81,969.08 sq.mt
16.Deductions	Deduction: 16,066.40 sq.mt.
17.Net Plot area	Net plot area: 65,902.68 sq.mt.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 1,12,500 .00 sq.mt b) Non FSI area (sq. m.): 70,000 .00 sq.mt c) Total BUA area (sq. m.): 182500.00
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)	26300.00
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	39.90
21.Estimated cost of the project	5810000000

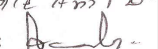
22.Number of buildings & its configuration



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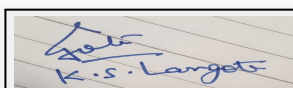
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A	P1+P2+P3+19	70
2	B	P1+P2+P3+19	70
3	C	P1+P2+P3+19	70
4	D	P1+P2+P3+19	70
5	E	P1+P2+P3+19	70
6	F	P1+P2+P3+19	70
7	155 Row Houses	G+2	12
8	EWS Building	P1+P2+P3+19	70
9	EWS Building	P1+P2+P3+19	70

23.Number of tenants and shops	Shops: 40 Nos; Flats: 1640 Nos.
24.Number of expected residents / users	Fixed - 8200 , Floating-200
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))	24 M
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 M
29.Existing structure (s) if any	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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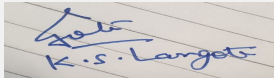
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Dry season:	Source of water	PCMC / Tanker / STP Treated Water
	Fresh water (CMD):	690.00
	Recycled water - Flushing (CMD):	348.00
	Recycled water - Gardening (CMD):	45.00
	Swimming pool make up (Cum):	9.00
	Total Water Requirement (CMD) :	1092.00 KLD
	Fire fighting - Underground water tank(CMD):	UG FIRE TANK-1 = 200 Cu.M UG FIRE TANK-2 = 200 Cu.M UG FIRE TANK-3 = 200 Cu.M UG FIRE TANK-4 = 200 Cu.M UG FIRE TANK-5 = 200 Cu.M UG FIRE TANK-6 = 200 Cu.M UG FIRE TANK-7 = 200 Cu.M UG FIRE TANK-8 = 200 Cu.M
	Fire fighting - Overhead water tank(CMD):	OH FIRE TANK-1 = 10 Cu.M OH FIRE TANK-2 = 10 Cu.M OH FIRE TANK-3 = 10 Cu.M OH FIRE TANK-4 = 10 Cu.M OH FIRE TANK-5 = 10 Cu.M OH FIRE TANK-6 = 10 Cu.M OH FIRE TANK-7 = 10 Cu.M
	Excess treated water	448.00
Wet season:	Source of water	PCMC / RWH / Tanker / STP Treated Water
	Fresh water (CMD):	690.00
	Recycled water - Flushing (CMD):	348.00
	Recycled water - Gardening (CMD):	--
	Swimming pool make up (Cum):	9.00
	Total Water Requirement (CMD) :	1047.00 KLD
	Fire fighting - Underground water tank(CMD):	UG FIRE TANK-1 = 200 Cu.M UG FIRE TANK-2 = 200 Cu.M UG FIRE TANK-3 = 200 Cu.M UG FIRE TANK-4 = 200 Cu.M UG FIRE TANK-5 = 200 Cu.M UG FIRE TANK-6 = 200 Cu.M UG FIRE TANK-7 = 200 Cu.M UG FIRE TANK-8 = 200 Cu.M
	Fire fighting - Overhead water tank(CMD):	OH FIRE TANK-1 = 10 Cu.M OH FIRE TANK-2 = 10 Cu.M OH FIRE TANK-3 = 10 Cu.M OH FIRE TANK-4 = 10 Cu.M OH FIRE TANK-5 = 10 Cu.M OH FIRE TANK-6 = 10 Cu.M OH FIRE TANK-7 = 10 Cu.M
	Excess treated water	493.00
Details of Swimming pool (If any)	Pool No. 1: 20.00 m X 9.00 m X 1.25 m Pool No. 2: 20.00 m X 9.00 m X 1.25 m	

33.Details of Total water consumed

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



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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	--
	Size and no of RWH tank(s) and Quantity:	9 nos. OF rwh TANKS WILL BE PROVIDED; UG RWH TANK -1 = 54 Cu.M UG RWH TANK -2 = 54 Cu.M UG RWH TANK -3 = 36 Cu.M UG RWH TANK -4 = 36 Cu.M UG RWH TANK -5 = 36 Cu.M UG RWH TANK -6 = 24 Cu.M UG RWH TANK -7 = 219 Cu.M UG RWH TANK -8 = 163 Cu.M UG RWH TANK -9 = 30 Cu.M
	Location of the RWH tank(s):	underground
	Quantity of recharge pits:	10 Nos.
	Size of recharge pits :	4.5M DIA AND 4.5M EFFECTIVE DEPTH
	Budgetary allocation (Capital cost) :	--
	Budgetary allocation (O & M cost) :	--
	Details of UGT tanks if any :	Under Ground Sump-1:- Domestic 479KLD,Flushing 241KLD,Gardening 31KLD Under Ground Sump-2:-Domestic-96KLD,Flushing -49KLD,Gardening-14KLD Under Ground Sump-3 :- Domestic-115KLD,Flushing -58KLD TANK WILL BE DESIGNED FOR 1.5 DAYS WATER DEMAND
35.Storm water drainage	Natural water drainage pattern:	Slope towards west
	Quantity of storm water:	595 L/s
	Size of SWD:	1m(W) X 0.8 (D) 300mm freeboard allocated for SWD
Sewage and Waste water	Sewage generation in KLD:	924
	STP technology:	MBBR
	Capacity of STP (CMD):	3 Nos. of STP ; STP 1: 640.00 KLD, STP 2:130.00 KLD, STP 3: 154.00 KLD
	Location & area of the STP:	Underground STP-1 -640KLD (32.3MX19.4M) STP-2-130KLD(14.4MX9M) STP-3-154KLD(16MX10M)
	Budgetary allocation (Capital cost):	STP-1 -640KLD -1.8Cr STP-2-130KLD-48 Lakhs STP-3-154KLD-53 Lakhs
	Budgetary allocation (O & M cost):	10% of Capital Cost
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	0.83 T/Day
	Disposal of the construction waste debris:	From waste generation from proposed development 30% will be recycled on site & remaining will be handed over to Authorised Recycles as per C&D waste Management Rule,2016
Waste generation in the operation Phase:	Dry waste:	2314.00 Kg/Day
	Wet waste:	1543.00 Kg/Day
	Hazardous waste:	will be handed over as per Hazardous Waste Management & Handling Rule,2016
	Biomedical waste (If applicable):	not applicable
	STP Sludge (Dry sludge):	139.00 Kg/ Day
	Others if any:	not applicable

Mode of Disposal of waste:	Dry waste:	will be handed over to Authorised Recycles as per Solid waste Management Rule,2016
	Wet waste:	Will be treated in OWC
	Hazardous waste:	will be handed over as per Hazardous Waste Management & Handling Rule,2016
	Biomedical waste (If applicable):	not applicable
	STP Sludge (Dry sludge):	will be used as manure in onsite landscaping
	Others if any:	--
Area requirement:	Location(s):	Layout showing location is attached
	Area for the storage of waste & other material:	9 Nos. of OWC machine will be provided
	Area for machinery:	75 sq.mt
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	--
	O & M cost:	--

37. Effluent Characteristics

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

38. Hazardous Waste Details

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

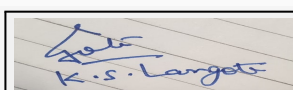
39. Stacks emission Details

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

40. Details of Fuel to be used

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

41. Source of Fuel	Not applicable
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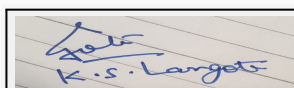
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42.Mode of Transportation of fuel to site		Not applicable		
43.Green Belt Development	Total RG area :	21000 m2		
	No of trees to be cut :	--		
	Number of trees to be planted :	--		
	List of proposed native trees :	261 Nos.		
	Timeline for completion of plantation :	throughout 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	--	--	--	--
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		
	During Construction Phase: (Demand Load)	--		
	DG set as Power back-up during construction phase	--		
	During Operation phase (Connected load):	12.02 MW		
	During Operation phase (Demand load):	5.48 MW		
	Transformer:	630 kVA X 12 nos		
	DG set as Power back-up during operation phase:	625 kVA X 2 Nos.; 750 kVA X 1 No.;500 kVA X 1		
	Fuel used:	Diesel		
	Details of high tension line passing through the plot if any:	--		
48.Energy saving by non-conventional method:				
Solar Water Heater & Lighting will be provided olar Photovoltaic (90kWp) onsite power generation-143664kWh savings,Solar Hot Water-3,40,000kWh savings				



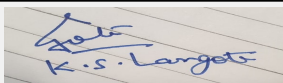
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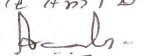
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49.Detail calculations & % of saving:							
Serial Number	Energy Conservation Measures				Saving %		
1	Solar Photovoltaic (90kWp) onsite power generation-143664kWh savings,Solar Hot Water-3,40,000kWh savings				1.10%		
50.Details of pollution control 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:		otal Capex for Solar Photovoltaic & Solar Hot water Generation-1Crore				
	O & M cost:		--				
51.Environmental Management plan Budgetary Allocation							
a) Construction phase (with Break-up):							
Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)				
1	--	--	--				
b) Operation Phase (with Break-up):							
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)			
1	--	--	--	--			
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:		--					

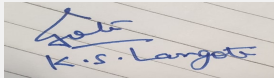

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Parking details:	Number and area of basement:	Not applicable
	Number and area of podia:	Not applicable
	Total Parking area:	--
	Area per car:	--
	Area per car:	--
	Number of 2-Wheelers as approved by competent authority:	Scooters: 2286 ; Cycle: 2286
	Number of 4-Wheelers as approved by competent authority:	Cars: 1143
	Public Transport:	--
	Width of all Internal roads (m):	--
	CRZ/ RRZ clearance obtain, if any:	--
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	--
	Category as per schedule of EIA Notification sheet	Townships and Area Development projects 8(b); Category:B
	Court cases pending if any	NA
	Other Relevant Informations	--
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-
SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS		
Summorisred in brief information of Project as below.		
Brief information of the project by SEAC		



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Environment Clearance for Proposed Environmental Clearance of Proposed Residential Development at Plot bearing S.No 10/1A/3, 10/1B, 11/1A, 11/2A (P), 11/3, 11/4 (P), 11/4/2, 11/1B, 12/1, 12/2/1,12/2/2, 12/2/3, 13/2 & 13/1/B (P), Mamurdi Tal- Haveli,Pune.by M/s.Godrej Skyline Developers Pvt. Ltd.

PP submitted their application for prior Environmental clearance for total plot area of 81969.08 Sq. Mtrs, BUA of 182500 Sq. Mtrs and FSI area of 112500 Sq. Mtrs. PP proposes to construct 6 no. residential + 155 row houses & 2 EWS 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) B1.

DECISION OF SEAC

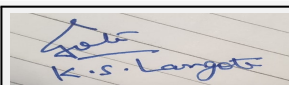
PP requested for time to submit above information; after deliberations committee asked PP to comply with the above observations and submit information to the committee for further discussion and consideration of SEAC.

Specific Conditions by SEAC:

- 1) PP to submit details of CER activities in consultation with the affected people in the project area as per MoEF& CC circular dated 1/05/2018.
- 2) PP to submit phase wise programme considering wind rose diagram.
- 3) PP to obtain and submit the NOC's for a) CFO NOC, b)Water supply NOC with quantity, c) Drainage NOC, d) Non-biodegradable waste disposal.
- 4) PP to submit a cross section showing invert level of sewer trap and final level of municipal sewer line.
- 5) PP to submit plan showing SWD disposal up to final disposal point.
- 6) PP to relocate the STP it should be above the ground and open to sky.
- 7) PP to explore the possibility to use excess treated water.
- 8) PP to submit site specific EMP.
- 9) PP to submit an indemnity bond for project land.
- 10) PP to submit details of socioeconomic infrastructure within project vicinity especially primary school, market etc.
- 11) PP to submit energy saving calculation along with terrace area calculations.
- 12) PP to provide mandatory RG area on virgin land and submit the drawing with calculations.
- 13) PP to submit cross section through UGT with top of tank, and maintain some distance above the ground level.

FINAL RECOMMENDATION

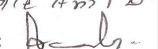
SEAC-III decided to defer the proposal till PP submits the additional information as per above conditions within 30 days



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Agenda for 67 th Meeting of SEAC-3 (Day-2)

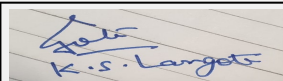
SEAC Meeting number: 67 Meeting Date August 20, 2018

Subject: Environment Clearance for Construction Project by M/s Dream House Constructions Pvt Ltd

Is a Violation Case: No

1.Name of Project	Ravi Kiran
2.Type of institution	Private
3.Name of Project Proponent	Mr. Sunil Israni
4.Name of Consultant	M/s JV Analytical Services
5.Type of project	Residential and Commercial Project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in existing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes vide no. SEAC-III-2014/C.R.67/TC-3 dated 5th November,2015.
8.Location of the project	S.No. 154/2
9.Taluka	Haveli
10.Village	Wadmukhwadi
Correspondence Name:	Mr Amit Israni
Room Number:	GP - 187
Floor:	-
Building Name:	"G" Block
Road/Street Name:	Thermax Chowk
Locality:	Next to Gajanan Co-op bank, MIDC, Chinchwad
City:	Pune
11.Area of the project	Pimpri Chinchwad Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Received
	IOD/IOA/Concession/Plan Approval Number: B.P./ENV/Wadmukhwadi/01/2018 Dated 28/03/2018
	Approved Built-up Area: 61906.03
13.Note on the initiated work (If applicable)	FSI-6539.63 Sq.m + Non-FSI- 6174.23 m ² = 12713.86m ² (Building 2 & 4 completed as per previous EC received)
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Applicable- 1647.17 m ²
15.Total Plot Area (sq. m.)	23500.00 m ²
16.Deductions	6079.05m ²
17.Net Plot area	17420.95m ²
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 24577.39m ²
	b) Non FSI area (sq. m.): 37328.64m ²
	c) Total BUA area (sq. m.): 61906.03
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 24577.39
	Approved Non FSI area (sq. m.): 37328.64
	Date of Approval: 28-03-2018
19.Total ground coverage (m2)	3952.60 m ²
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	16.81% of Total plot area (23500.00m ²) , 22.74% of Net plot area (17375.84m ²)
21.Estimated cost of the project	927400000

22.Number of buildings & its configuration



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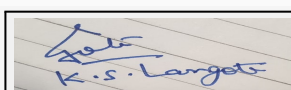
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building-2 (Wing A,B & C) - Completed	P+7	21.00 m
2	Building-3 (Wing A,B & C)	P+8	23.60 m
3	Building-4 (Wing A & B)- Completed	P+7	21.00 m
4	Building-5 (Wing A & B)	P+11	33.00 m
5	Building-6 (Wing A)	P+11	33.00 m
6	Building-7 (MHADA)	P+7	21.00 m
7	Building-8 (Residential + Commercial)	G+4	15.00 m

23.Number of tenants and shops	Total Tenements - 554 Nos. Commercial Shops- 21 Nos.
24.Number of expected residents / users	Residential Users : 2770 Nos , Commercial Users : 147 Nos , Total Users : 2917 Nos
25.Tenant density per hectare	235.74
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	18 M wide road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.0 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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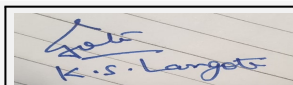
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Dry season:	Source of water	PCMC							
	Fresh water (CMD):	397.57 m3/day (One Time)							
	Recycled water - Flushing (CMD):	140.33 m3/day							
	Recycled water - Gardening (CMD):	12.00 m3/day							
	Swimming pool make up (Cum):	NA							
	Total Water Requirement (CMD) :	257.24 m3/day							
	Fire fighting - Underground water tank(CMD):	100 m3							
	Fire fighting - Overhead water tank(CMD):	90 m3							
	Excess treated water	202.18 m3/day							
Wet season:	Source of water	PCMC							
	Fresh water (CMD):	385.57 m3/day (One Time)							
	Recycled water - Flushing (CMD):	140.33 m3/day							
	Recycled water - Gardening (CMD):	0.00 m3/day							
	Swimming pool make up (Cum):	NA							
	Total Water Requirement (CMD) :	257.24 m3/day							
	Fire fighting - Underground water tank(CMD):	100 m3							
	Fire fighting - Overhead water tank(CMD):	90 m3							
	Excess treated water	214.18 m3/day							
Details of Swimming pool (If any)	Not Applicable								
33.Details of Total water consumed									
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable



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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	Approx 7m to 10m below ground level	
	Size and no of RWH tank(s) and Quantity:	Not Applicable	
	Location of the RWH tank(s):	Not Applicable	
	Quantity of recharge pits:	8 Nos	
	Size of recharge pits :	1.5x1.5x1.5 M	
	Budgetary allocation (Capital cost) :	Rs 5.50 Lakh	
	Budgetary allocation (O & M cost) :	Rs. 1.00 Lakh/Year	
	Details of UGT tanks if any :	UGT 1(Existing): Domestic UG tank Capacity: 180m3 Flushing UG tank Capacity:60m3 Fire UG tank Capacity: NA UGT 2(Proposed): Domestic UG tank Capacity:253m3 Flushing UG tank Capacity:81m3 Fire UG tank Capacity: 100 m3	
35.Storm water drainage			
35.Storm water drainage	Natural water drainage pattern:	-	
	Quantity of storm water:	1002.03 m3/Hr	
	Size of SWD:	600mm	
Sewage and Waste water			
Sewage and Waste water	Sewage generation in KLD:	347 m3/day	
	STP technology:	MBBR	
	Capacity of STP (CMD):	1 No. & Capacity- 365 m3/day (Existing)	
	Location & area of the STP:	Area= 185.00 m2	
	Budgetary allocation (Capital cost):	Rs 45.00 Lakh	
	Budgetary allocation (O & M cost):	Rs 15.00 Lakh/Year	
36.Solid waste Management			
Waste generation in the Pre Construction and Construction phase:	Waste generation:	25 Kg/day	
	Disposal of the construction waste debris:	Use for Leveling	
Waste generation in the operation Phase:	Dry waste:	From Plot-1= 241 kg/day, From Plot 2= 335 kg/day	
	Wet waste:	From Plot 1= 353 kg/day, From Plot 2= 493 kg/day	
	Hazardous waste:	Not Applicable	
	Biomedical waste (If applicable):	Not Applicable	
	STP Sludge (Dry sludge):	30.82kg/day (100% dry)	
	Others if any:	Not Applicable	
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Mode of Disposal of waste:	Dry waste:	SWACH
	Wet waste:	Organic Waste Converter
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Used as manure after treatment in OWC
	Others if any:	Not Applicable
Area requirement:	Location(s):	-
	Area for the storage of waste & other material:	110 m2 including machinery area
	Area for machinery:	-
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs.29.50 Lakh- for 2 OWC of capacity 500 Kg/day
	O & M cost:	Rs. 9.79 Lakh/year- for 2 OWC of capacity 500 Kg/day

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

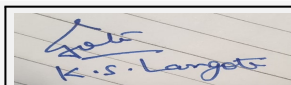
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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(Existing)-140KVA-1No (For Plot 1)	For 140 KVA DG :- 6.37 Liters/Hr	S-1	6.37M	As per norms	-
2	DG Set 100 KVA(Proposed)-1No(For Plot 2)	For 100 KVA DG :- 6 Liters/Hr.	S-2	6M	To be provided	-

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total



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1	HSD	Not applicable	For 140 KVA DG :- 6.37 Liters/Hr, For 100 KVA DG :- 6 Liters/Hr	12.37 Litres/Hr
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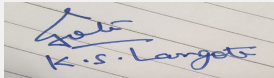
41.Source of Fuel Bharat Petroleum Corporation Limited/Hindustan Petroleum

42.Mode of Transportation of fuel to site By Roadway

43.Green Belt Development	Total RG area :	2000.7 m2
	No of trees to be cut :	Not Applicable
	Number of trees to be planted :	359 Nos.
	List of proposed native trees :	-
	Timeline for completion of plantation :	Mid of Construction

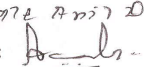
44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Anthocephalus kadamba	Kadamb	41	Native, evergreen, gives shade, flowers, Mythological value
2	Pongamia pinnata	Karanj	22	Native, for shade, medicinal value
3	Saraca indica	Seeta Ashok	20	Native, evergreen, beautiful flowers, good form
4	Ficus racemosa	Umbar	8	Native, evergreen, attracts birds, medicinal value
5	Alianthus excelsa	Maharukh	5	Native, deciduous, controls soil erosion
6	Ficus religiosa	Peepal	5	Native, for shade, medicinal value, attracts birds
7	Ficus benghalensis	Vad	1	Native, for shade, medicinal value, attracts birds, religious value
8	Cassia fistula	Bahava	17	Native, deciduous, beautiful flowers, medicinal value
9	Azadirachta indica	Neem, Kadunimb	18	Native, semi deciduous, for shade, medicinal value, for air purification
10	Bauhinia racemosa	Aapta	12	Native, cultural value, medicinal value
11	Albizzia lebbek	Shirish	7	Native, deciduous, fragrant flowers
12	Ficus retusa	Nandruk, Laurel fig	7	Native, evergreen, for shade, attracts birds
13	Terminilia catappa	Indian almond	4	For shade, deciduous
14	Mimusops elengi	Bakul	15	Native, evergreen, fragrant flowers, medicinal value
15	Gliricidia maculata	Giripushp	6	Deciduous, beautiful flowers, nitrogen fixer
16	Nyctanthus arboritritis	Parijatak	6	Native, fragrant flowers, medicinal value, mythological significance, cultural value.


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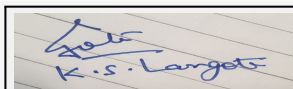
17	Murraya paniculata	Kunti, Madhukamini	7	Native, evergreen, beautiful dense foliage, fragrant flowers
18	Erythrina indica	Pangara	3	Native, deciduous, beautiful flowers, attracts birds
19	Punica granatum	Pomegranate	33	Native, fruit bearing, medicinal value
20	Artocarpus incissi	Jackfruit	2	Native, fruit bearing
21	Syzygium cumini	Jamun	8	Native, fruit bearing
22	Annona squamosa	Custard apple	17	Native, fruit bearing
23	Psidium guajava	Guava, peru	5	Native, fruit bearing
24	Murraya koenigi	Kadipatta	13	Native, evergreen, used in cooking
25	Melia azederach	Persian lilac, bakan	2	Native, evergreen
26	Bombax ceiba	Red silk cotton	12	Native, deciduous, beautiful flowers, attracts birds
27	Putranjiva roxburghi	Putrajivi	4	Native, evergreen, dense crown, for shade, used by birds for roosting and nesting
28	Mangifera indica	Mango	4	Native, fruit bearing
29	Gardenia jasminoides	Anant	11	Native, evergreen, fragrant flowers
30	Phyllanthus emblica	Amla	4	Native, fruit bearing
31	Fillicium decipiens	Fern leaf tree	7	Native, evergreen, for shade, beautiful foliage
32	Caryota urens	Fishtail Palm	8	Native, medicinal value
33	Michelia champaka	Sonchafa	4	Native, evergreen, fragrant flowers
34	Grevillea robusta	Silver oak	11	Wind breaker, evergreen
35	Tabebuia rosea	Pink trumpet tree	5	Beautiful flowers, deciduous
36	Jacaranda mimosifolia	Jacaranda	5	Deciduous, beautiful 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	-	-	-

47.Energy



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Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	30 KW
	DG set as Power back-up during construction phase	40KVA
	During Operation phase (Connected load):	For Plot 1- 620KW, For Plot 2- 717KW
	During Operation phase (Demand load):	For Plot 1- 810.4 KVA, For Plot 2-1073.6KVA
	Transformer:	For Plot 1:- 630KVA-1No(Existing)., For Plot 2:- 630 KVA-1No. & 315 KVA-1No(Proposed).
	DG set as Power back-up during operation phase:	For Plot 1:140 KVA - 1 No.(Existing) & For Plot 2:100 KVA - 1 No.(Proposed)
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	Not Applicable

48. Energy saving by non-conventional method:

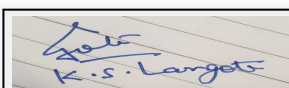
1. Solar Water Heating Systems Will Be Done For Bathrooms.
2. Solar lights will be provided for common amenities like Street lighting & Garden lighting.
3. CFL & LED based lighting will be done in the common areas, landscape areas, signage's, Entry gates and boundary compound walls etc.
4. Auto Timer Switches will be provided for Street lights, Garden lights, Parking & staircase Lights & Other Common Area Lights, for saving electrical energy.
5. Water Level Controllers with Timers will be used for Water Pumps.
6. To create awareness to end consumer or flat owner, for using energy efficient light fittings like CFL, T5 Lamps & LED Lights.
7. Energy Saving Achieved per Day - 56520 KWH .
8. Overall Energy Saving is - 3% to 4%

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.	21219.27 KWH
2	Garden Lighter - Light Fitting For Landscape Area.	1524.24 KWH
3	Lawn Lighter - Light Fitting For Landscape Area.	1103.76 KWH
4	Solar Street Light Fitting - Pole Light On Road Side.	1606 KWH
5	Street Light on the Bldg.	13297.68 KWH
6	Energy Saving by Solar Hot Water System.	623250 KWH

50. Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air	Barricating the site	Green belt will be provided
Water	STP is installed & excess treated water used for landscaping & flushing.	-

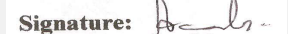


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Noise	Noise monitoring is done in once a fortnight	Traffic management plan to be prepared. Acoustically enclosed DG set will be brought & installed
Solid Waste	Wet waste of existing building is treated in OWC 1, STP sludge has been used as manure after treatment in OWC. Dry waste is given to SWACH.	for proposed development, 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:	Solar Hot Water System= Rs 55.4 Lakh, Solar PV System=Rs 20.8 Lakh
	O & M cost:	Solar Hot Water System=Rs 1.11 Lakh/Year, Solar PV System=Rs 0.41 Lakh/Year

51.Environmental Management plan Budgetary Allocation

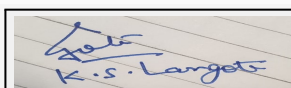
a) Construction phase (with Break-up):

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	STP	365 m3/day	45.00 Lakh	9.75 Lakh/Year
2	RWH	-	5.50 Lakh	1.00 Lakh/Year
3	MSW-for 2 Nos.	-	29.50 Lakh	9.79 Lakh/Year
4	Solar Hot Water system	-	55.4 Lakh	1.11 Lakh/Year
5	Solar PV System	-	20.8 Lakh	0.41 Lakh/Year
6	Landscaping	-	10.45 Lakh	4.23 Lakh/Year
7	Piping + Pumping	-	2.00 Lakh	-
8	Safety Equipment	-	10.00 Lakh	2.00 Lakh/Year
9	Post EC Monitoring	-	-	2.50 Lakh/Year
10	Dry Waste Management	-	-	3.32 Lakh/Year

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



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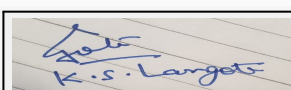
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52. Any Other Information

No Information Available

53. Traffic Management

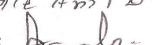
	Nos. of the junction to the main road & design of confluence:	-
Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	13414.20m ²
	Area per car:	46.73m ²
	Area per car:	46.73m ²
	Number of 2-Wheelers as approved by competent authority:	1138
	Number of 4-Wheelers as approved by competent authority:	287
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	6m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8 (a)
	Court cases pending if any	NA
	Other Relevant Informations	-



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	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summarised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for Construction Project by at S.No. 154/2, Wadmukhwadi, Tal- Haveli ,Pune by M/s Dream House Constructions Pvt Ltd.

PP submitted their application for expansion of earlier Environmental clearance for total plot area of 23500 Sq. Mtrs, BUA of 61906.03 Sq. Mtrs and FSI area of 24577.39 Sq. Mtrs. PP proposes to construct 7 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

During discussion pp stated that they are going to remove the one building which was proposed in earlier EC, and resulting into overall reduction in environmental parameters.

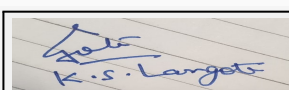
Hence committee decided to transfer the proposal online to SEIAA for EC.

Earlier EC conditions imposed will applicable to this proposal.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

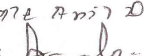
SEAC-III have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions



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Agenda for 67 th Meeting of SEAC-3 (Day-2)

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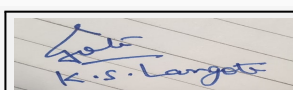
Subject: Environment Clearance for Modernization in project by M/s Sai Essen Developers

Is a Violation Case: No

1.Name of Project	"Aishwaryam Hamara"
2.Type of institution	Private
3.Name of Project Proponent	Mr. Satish Bhimsen Agrawal
4.Name of Consultant	M/s JV Analytical Services
5.Type of project	Residential
6.New project/expansion in existing project/modernization/diversification in existing project	Modernization
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes Vide No. SEAC-III-2015/CR-143/TC-3 dated 3rd December, 2016
8.Location of the project	Gat. No. 94 (P)
9.Taluka	Haveli.
10.Village	Chikhali
Correspondence Name:	Mr. Narendra Bhimsen Agrawal
Room Number:	-
Floor:	-
Building Name:	Essen Villa,Pradhikaran, Near Hotel Vrundavan,
Road/Street Name:	Plot SDC, Sector No-23,
Locality:	Nigdi
City:	Pune.
11.Area of the project	Pimpri Chinchwad Municipal Corporation (PCMC)
12.IOD/IOA/Concession/Plan Approval Number	Applied
	IOD/IOA/Concession/Plan Approval Number: -
	Approved Built-up Area: 173999.90
13.Note on the initiated work (If applicable)	9394.45 m2 (2 slab completed of building A7,A8,A9,A10,A11,A12) as per earlier EC received on 03/12/2016
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	39193.33 m2
16.Deductions	4061.08 m2
17.Net Plot area	35132.25 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 92780.53 m2
	b) Non FSI area (sq. m.): 86275.18 m2
	c) Total BUA area (sq. m.): 179055.71
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 75032 m2
	Approved Non FSI area (sq. m.): 98967.90 m2
	Date of Approval: 10-03-2017
19.Total ground coverage (m2)	8362.15 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	21.33 % of Total Plot Area (.39193.33 m2) 23.80 % of Net Plot Area (35132.25 m2)
21.Estimated cost of the project	2544700000

22.Number of buildings & its configuration

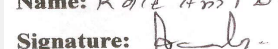
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
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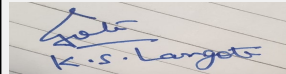
1	Building A1	2P+12	42.95 m
2	Building A2	2P+12	42.95 m
3	Building A3	2P+12	42.95 m
4	Building A4	2P+12	42.95 m
5	Building A5	2P+12	42.95 m
6	Building A6	2P+12	42.95 m
7	Building A7	2P+12	42.95 m
8	Building A8	2P+12	42.95 m
9	Building A9	2P+12	42.95 m
10	Building A10	2P+12	42.95 m
11	Building A11	2P+12	42.95 m
12	Building A12	2P+12	42.95 m
13	Building A13	2P+12	42.95 m

23.Number of tenants and shops	Total No. of Tenements- 2132 Nos.
24.Number of expected residents / users	10660 Nos.
25.Tenant density per hectare	230/H
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	12M & 24M wide road
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	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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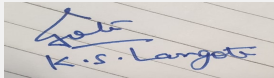
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Dry season:	Source of water	PCMC							
	Fresh water (CMD):	1476.88 m3/day (One time)							
	Recycled water - Flushing (CMD):	479.70 m3/day							
	Recycled water - Gardening (CMD):	29.78 m3/day							
	Swimming pool make up (Cum):	8.00 m3/day							
	Total Water Requirement (CMD) :	959.40 m3/day							
	Fire fighting - Underground water tank(CMD):	750 m3							
	Fire fighting - Overhead water tank(CMD):	260 m3							
	Excess treated water	641.80 m3/day							
Wet season:	Source of water	PCMC							
	Fresh water (CMD):	1447.10 m3/day (One time)							
	Recycled water - Flushing (CMD):	479.70 m3/day							
	Recycled water - Gardening (CMD):	NA							
	Swimming pool make up (Cum):	8.00 m3/day							
	Total Water Requirement (CMD) :	959.40 m3/day							
	Fire fighting - Underground water tank(CMD):	750 m3							
	Fire fighting - Overhead water tank(CMD):	260 m3							
	Excess treated water	671.58 m3/day							
Details of Swimming pool (If any)	<p>Dimension of Swimming 10.35 mt X6mt X1.2mt Total water Requirement in KLD: 74520 Lit Make up Water requirement in KLD: 8.00 m3/day 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: • Budgetary allocation (Capital cost and O & M cost): • Capital cost: Rs 17.50 Lakh. • O & M Cost: Rs 1.80 Lakh / year.</p>								
33.Details of Total water consumed									
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable



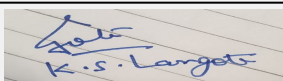
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34. Rain Water Harvesting (RWH)	Level of the Ground water table:	Summer Season - 17.33 m. to 21.67 m. BGL. (19.50 M. BGL Average), Rainy Season - 7.00 m. to 11.00 BGL. (9.00 m. BGL Average) , Winter Season - 12.165 m. to 16.335 m. BGL. (14.25 M. BGL Average)
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	14 Nos.
	Size of recharge pits :	2.0 m. X 2.0 m. X 2.0 m. Depth with 60 m. Deep 6" Dia. Bore Well via 2 No. of de-siltation pits of 0.9 m. Dia. 1.0 m. Deep.
	Budgetary allocation (Capital cost) :	Rs 18.00 Lakh.
	Budgetary allocation (O & M cost) :	Rs.1.00 Lakh / year.
	Details of UGT tanks if any :	Domestic UG tank Capacity: 1440.00 m3 Fire UG tank Capacity: 750.00 m3 Reclaimed Water Tank Capacity: 720.00 m3
35. Storm water drainage	Natural water drainage pattern:	-
	Quantity of storm water:	16,850.07 m3 / Year i.e. 337.00 m3 / Day, Considering 700 mm. annual rain fall in 50 days averagely.
	Size of SWD:	450 mm
Sewage and Waste water	Sewage generation in KLD:	1295.19 m3/day
	STP technology:	MMBR
	Capacity of STP (CMD):	1300 m3/day
	Location & area of the STP:	Area-630.00 m2
	Budgetary allocation (Capital cost):	Rs. 440.00 Lakh
	Budgetary allocation (O & M cost):	Rs. 38.26 Lakh/Year
36. Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	50 kg/day
	Disposal of the construction waste debris:	Use for Leveling
Waste generation in the operation Phase:	Dry waste:	2132 kg/day.
	Wet waste:	3198 kg/day.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	159.00 kg/day
	Others if any:	NA



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Mode of Disposal of waste:	Dry waste:	SWaCH
	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:	NA
Area requirement:	Location(s):	-
	Area for the storage of waste & other material:	287.00m ² including machinery area
	Area for machinery:	-
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 92.00 Lakh
	O & M cost:	Rs.15.75 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

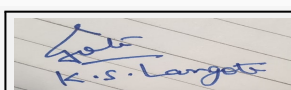
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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	320 KVA - 1 No	HSD -51.82 Liters/Hr @ 75% load	S-1	3.50 Meter	will be provided	will be provided

40. Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	Not applicable	51.82 Liters/Hr	51.82 Liters/Hr
41. Source of Fuel		Bharat Petroleum Corporation Ltd/ Hindustan Petroleum		
42. Mode of Transportation of fuel to site		By Roadways		



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43.Green Belt Development	Total RG area :	4061.08 m ²
	No of trees to be cut :	NA
	Number of trees to be planted :	495 No.
	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

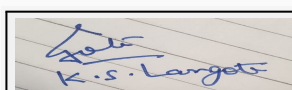
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Pongamia	Karanj	45	It is larval host for butterflies, nitrogen fixing plants.
2	Anthocephallus cadamba	Kadamb	39	Good for roadside plantation & provide shade
3	Saraca indica	Sita Ashok	47	Good for roadside plantation & provide shade
4	Cassia fistula	Bahava	40	Have medicinal properties & larval host for butterflies.
5	Lagerstroemia flos regineae	Tamhan	40	Good as avenue tree, good for group planting around water gardens & ponds.
6	Azadirachta indica	Neem	60	Good for restoration of dryer parts, good for air purifier & have medicinal properties.
7	Michelia Champaca	Son chafa	80	Good For ornamental purpose
8	Murraya paniculata	Kunti	46	Good For ornamental purpose
9	Bauhinia racemosa	Apta	56	Drought resistance, good air purifier & have medicinal properties.
10	Mangifera indica	Mango	22	Good for roadside plantation & provide shade
11	Acrus Sapota	Chickoo	20	Good for roadside plantation & provide shade

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	-	-	-

47.Energy



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Power requirement:	Source of power supply :	MSEDCL.
	During Construction Phase: (Demand Load)	61 KW
	DG set as Power back-up during construction phase	82.5 KVA - 1 No.
	During Operation phase (Connected load):	6036.21 KW
	During Operation phase (Demand load):	4052.44 KVA
	Transformer:	630 KVA - 6 No. , 315 KVA -1 No.
	DG set as Power back-up during operation phase:	320 KVA - 1 No.
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48. Energy saving by non-conventional method:

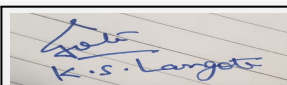
- Timers and contactors will be used to switch on / off common are & external landscape and facade lighting.
- LED fittings will be used for corridors, Lobbies and common areas.
- Energy efficient LED lamps which give approx. 30% more light output for the same watts consumed and therefore require less nos. Of fixtures and corresponding lower point wiring costs.
- 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.
- 125 Ltrs Solar water is provided for each flat .
- Solar PV panel system is proposed for Street lighting & Building common load.

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar Water Heating System	82 %
2	Light Fitting & Timer Saving	57 %
3	Solar PV Panel System	15 %

50. Details of pollution control Systems

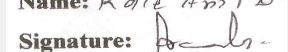
Source	Existing pollution control system	Proposed to be installed
Air	-	Green belt will be provided.
Water	-	STP will be installed & excess treated water used for flushing & gardening
Noise	-	Noise monitoring will be done in once a fortnight. Traffic management plan to be prepared. Acoustically enclosed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



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Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Energy System - Rs. 359.77 Lakh, Solar PV System - Rs. 52.50 Lakh
	O & M cost:	Energy System - Rs. 35.97 Lakh / Year , Solar PV System - Rs. 2.62 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

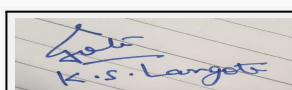
b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP	Sewage Treatment Plant	440.00 Lakh	38.26 Lakh/Year
2	RWH	Rain Water Harvesting	18.00 Lakh	1.00 Lakh/Year
3	MSW	organic Waste Converter	92.00 Lakh	15.75 Lakh/Year
4	Energy System	-	359.77 Lakh	35.97 Lacks / year
5	Solar PV System	-	52.50 Lakh	2.62 Lakh/Year
6	Landscaping	-	26.00 Lakh	5.50 Lakh/Year
7	Swimming Pool	-	17.50 Lakh	1.80 Lakh/Year
8	Safety Equipments	-	10.00 Lakh	2.00 Lakh/Year
9	Post EC Monitoring	-	-	2.50 Lakh/Year
10	Dry Waste Management	-	-	12.79 Lakh/Year

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

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

52.Any Other Information



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No Information Available

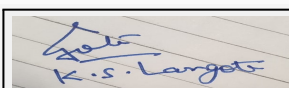
53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	-
Parking details:	Number and area of basement:	NA
	Number and area of podia:	1 No. - 24649.80m ²
	Total Parking area:	50741.60 m ²
	Area per car:	47.24 m ²
	Area per car:	47.24 m ²
	Number of 2-Wheelers as approved by competent authority:	4264 nos.
	Number of 4-Wheelers as approved by competent authority:	1074 nos.
	Public Transport:	-
	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(b)
	Court cases pending if any	NA
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summarised in brief information of Project as below.

Brief information of the project by SEAC

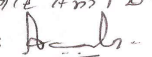


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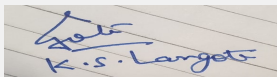
Environment Clearance for Modernization in project at Gat. No. 94 (P), Chikhali, Tal- Haveli. Pune by M/s Sai Essen Developers.

PP submitted the application for modernisation in earlier Environmental clearance for total plot area of 3919333 Sq. Mtrs, BUA of 168940.12 Sq. Mtrs and FSI area of 74939.52 Sq. Mtrs. PP proposes to construct 12 no. residential 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.

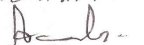
DECISION OF SEAC

SEAC-AGENDA-0000000118


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During discussion PP stated that they are going to modernize earlier EC due to subdivision of plot hence committee asked PP to use model TOR available on the web site of MoEF in addition to the points mentioned below.

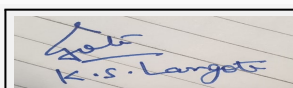
After deliberation, Committee asked PP to submit EIA report including all above points for further discussion and consideration of SEAC. PP requested for time to submit above information.

Specific Conditions by SEAC:

- 1) PP to submit IOD/IOA/Concession Document/Plan Approval or any other form of documents as applicable clarifying its conformity with local planning rules and provisions there under as per the Circular dated 30.01.2014 issued by the Environment Department, Govt. of Maharashtra.
- 2) PP to submit condition wise compliance report of earlier EC conditions.
- 3) PP to submit architect certificate of work initiated on site as per earlier EC.
- 4) PP to submit comparative statement of components approved and components constructed as per earlier EC and proposed development.
- 5) PP to submit 6 monthly compliance report of earlier EC validated by Regional Office, MOEF&CC, Nagpur, as per MoEF & CC Circular dated 07.09.2017.
- 6) PP to include separate chapter on Renewable energy in EIA report. PP to submit terrace plan for installing solar panels& calculations of energy saving; PP to submit energy modelling with write-up support to this.
- 7) PP to include carbon footprint estimations for operation & construction phase in EIA report.
- 8) PP to carry out Traffic Impact Study in detail including, a. Traffic Management Plan for the development - Internal circulation with road width should be revised with showing clear road width of 6 meters and turning radius of 9 meters; PP to submit cross section of roads at four places showing clear road width 6 meter , 1.5 meter distance left from building line, spaces left for plantation, footpath, service lines etc b. Traffic Volume Counts and Turning Movement Counts on all the external surrounding roads of the proposed project showing the time period taken & revise table to be submitted. c. Topographic details of roads and intersection of the surrounding roads where counts are taken, actual geometry on ground to be shown with dimensions.. d. Traffic generation values of similar development to be given by actual count by actual count as support data for assumption made to the particular project. e. PP to revise parking table mentioning parking as per DCR & parking provided actually. f. PP to submit drawing& sketches showing junction larger scale with geometry & showing traffic counts in detail and volume diagram.
- 9) PP to submit site specific executable and auditable EMP along with implementation plan and environmental management cell provision for construction and operation phase in EIA.
- 10) PP to submit Fire Tender Movement Plan showing clear road width of 6 meters and turning radius of 9 meters ; PP to submit cross section of roads at four places including UGT , OWC and DG set location showing clear road width 6 meter, 1.5 meter distance left from building line & spaces left for plantation, parking, service lines, foot paths, etc.
- 11) PP to submit parking layout plan for all the floors showing slope and width of the ramps.
- 12) PP to submit cross section of all buildings.
- 13) PP to submit parking area statement as per DCR.
- 14) PP to submit cross section of basement showing width and slope of ramp.
- 15) PP to submit details of basement parking.
- 16) PP to prepare consolidated report on traffic and vehicular pollution as a single chapter in EIA.
- 17) PP to carry out fugitive dust monitoring by using local meteorological data.
- 18) PP to submit waste management plan details with its transport, collection, storage and disposal for all types of wastes like hazardous waste, non-hazardous waste, solid waste, E- waste, and debris/excess earth etc.;PP to submit OWC details.
- 19) PP to submit detail debris management plan; PP should not remove the debris haphazardly & dump it on road side.
- 20) PP to submit disaster management plan.
- 21) PP to submit socio-economic infrastructure details including public transport arrangements on the site; PP to mention details of socio-economic in EIA. PP to correct socio-economic infrastructure details Consolidate Statement as per earlier EC.
- 22) PP to provide required amenities within layout as per the planning standards if the existing amenities within the vicinity of plot are inadequate to cater the need of the locality.
- 23) PP to submit phase wise development plan considering wind rose diagram.
- 24) PP to obtain and submit following NOC's: a) CFO NOC, b)Water supply NOC with quantity, c) Drainage NOC, d) Non-biodegradable waste disposal.
- 25) PP to submit affidavit mentioning no occupancy will be given till sustained water supply to the project.
- 26) PP to submit internal storm water drain and sewer line arrangements up to final disposal point.
- 27) PP to submit details of design of all STP's along with BOD load, oxygen requirement calculations and sizing of the tanks with respect to the design criteria. PP to submit detailed calculation for the disinfection of the treated STP water; PP to submit cross sectional drawing of STP's showing dimensions and ground level; PP to provide ozonation for tertiary treatment. PP to mark the area required for all STP's on master layout with dimensions
- 28) PP to submit details hydro geological survey report with graphs & data.
- 29) PP to identify sources of air pollution, PP to include mitigation measures to reduce Air pollution/Noise pollution.
- 30) PP to provide mandatory RG area on virgin land and submit the drawing with calculations.
- 31) PP to submit layout showing natural water courses on site; PP to submit total runoff calculation before and after development.
- 32) PP to carry out gate mass balance analysis for environmental parameters related to solid/liquid waste material coming to site, waste generated and its treatment and disposal from site.
- 33) PP to explore possibility to install air monitoring station on site during construction as well as operation phase for ambient air quality monitoring.
- 34) PP to submit undertaking to provide DG set backup to all Pollution Control Devices, Water Supply, Emergency Services including emergency lifts, etc.
- 35) PP to plant trees which help to increase biodiversity in the premises like fruit bearing trees etc., and insure that no trees/ shrubs that cause allergies to the residents, are planted
- 36) PP to include condition of "maintenance of all Pollution Control Equipment's and functioning of Environment Monitoring Cell in their MoU with society.
- 37) 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

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



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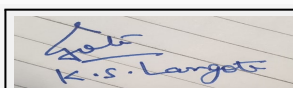
Agenda for 67 th Meeting of SEAC-3 (Day-2)

SEAC Meeting number: 67 Meeting Date August 20, 2018

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

Is a Violation Case: No

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



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22. Number of buildings & its configuration

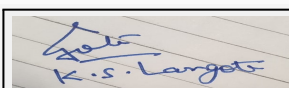
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Block A: wing A to D	G+7	23.250
2	Block A: wing E & F	G+1	5.850
3	Block B	G+4	14.900
4	Block D	G+2	13.950
5	Club House	G+1	7.950

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

31. Production Details

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

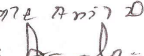
32. Total Water Requirement



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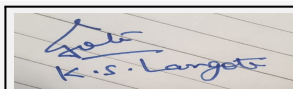
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Dry season:	Source of water	Nagpur Municipal Corporation							
	Fresh water (CMD):	110							
	Recycled water - Flushing (CMD):	56							
	Recycled water - Gardening (CMD):	12							
	Swimming pool make up (Cum):	NA							
	Total Water Requirement (CMD) :	178							
	Fire fighting - Underground water tank(CMD):	25							
	Fire fighting - Overhead water tank(CMD):	25 x 2							
	Excess treated water	62							
Wet season:	Source of water	Nagpur Municipal Corporation							
	Fresh water (CMD):	110							
	Recycled water - Flushing (CMD):	56							
	Recycled water - Gardening (CMD):	0							
	Swimming pool make up (Cum):	NA							
	Total Water Requirement (CMD) :	166							
	Fire fighting - Underground water tank(CMD):	25							
	Fire fighting - Overhead water tank(CMD):	25 x 2							
	Excess treated water	74							
Details of Swimming pool (If any)	NA								
33.Details of Total water consumed									
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable



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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	5.7 to 6.8 m	
	Size and no of RWH tank(s) and Quantity:	NA	
	Location of the RWH tank(s):	Underground	
	Quantity of recharge pits:	6 Nos.	
	Size of recharge pits :	2.5 M x 7.0	
	Budgetary allocation (Capital cost) :	300000	
	Budgetary allocation (O & M cost) :	60000	
	Details of UGT tanks if any :	Domestic UG Tank Capacity: 60 Cum x 4 nos. Flushing UG tank Capacity : 50 Cum x 2 Fire water tank : 25 Cum	
35.Storm water drainage	Natural water drainage pattern:	The natural slope for drainage is from North East to South West direction.	
	Quantity of storm water:	608.26 mm/hr	
	Size of SWD:	250, 300 & 450 mm Ø (Pipe size)	
Sewage and Waste water	Sewage generation in KLD:	144	
	STP technology:	Phytorid	
	Capacity of STP (CMD):	160 (Existing 115 Phytorid & Proposed 45 Phytorid)	
	Location & area of the STP:	On ground 202 sq. m.	
	Budgetary allocation (Capital cost):	6000000	
	Budgetary allocation (O & M cost):	300000	
36.Solid waste Management			
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Construction phase waste: Excavated material 14035 Cum : Used in back filling 9824.5 Cum(70 %) and rest will be use for leveling and landscaping 4210.5 Cum (30%), Empty Cement/Putty Bags: 73362 Nos : To be sold to vendor, Aggregates: 2191 cft. : Reuse on site for making road, Scrap: 19 MT : To be sold to Recycler, Empty paint cans (20 lit per can): 35 nos. :To be sold to vendor, Waste Tiles: 790 sq.m. : Broken pieces will be used for china mosaic waterproofing of terraces.	
	Disposal of the construction waste debris:	Construction debris like sand, soil, bricks, tiles will recycled and utilized for levelling and surplus will be disposed off at authorized site as per norms. Top soil will be preserved for landscaping.	
Waste generation in the operation Phase:	Dry waste:	253 kg/day	
	Wet waste:	367 kg/day	
	Hazardous waste:	NA	
	Biomedical waste (If applicable):	NA	
	STP Sludge (Dry sludge):	very negligible will be used as manure.	
	Others if any:	NA	
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Mode of Disposal of waste:	Dry waste:	will be hand over to recycler
	Wet waste:	will Composted using organic waste converter
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Use as a Manure
	Others if any:	NA
Area requirement:	Location(s):	On fround
	Area for the storage of waste & other material:	36 sq.m.
	Area for machinery:	3 sq.m.
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	1200000
	O & M cost:	200000

37.Effluent Charecterestics

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

38.Hazardous Waste Details

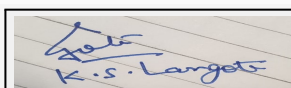
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

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

40.Details of Fuel to be used

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



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

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

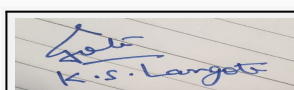
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadirachta indica	Neem	14	Evergreen & native avenues roadsides for shade, used as windbreak, purifies air.
2	Delonix regia	Gulmohar	12	Deciduous tree with orange; red flowers, ornamental
3	Ficus racemosa	Udumbar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

45.Total quantity of plants on ground

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

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

47.Energy



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Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	100 KW
	DG set as Power back-up during construction phase	25 KVA
	During Operation phase (Connected load):	1123 KW
	During Operation phase (Demand load):	765 KW
	Transformer:	1 x 630 & 1 x 500 KVA
	DG set as Power back-up during operation phase:	1 No. of 82.5 KVA
	Fuel used:	DIESEL
	Details of high tension line passing through the plot if any:	NA

48. Energy saving by non-conventional method:

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

49. Detail calculations & % of saving:

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

50. Details of pollution control Systems

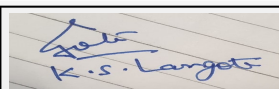
Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

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

51. Environmental Management plan Budgetary Allocation

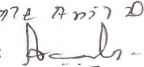
a) Construction phase (with Break-up):

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


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

b) Operation Phase (with Break-up):

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

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

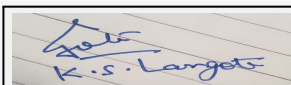
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

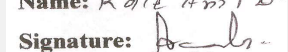
Nos. of the junction to the main road & design of confluence:	9 M INTERNAL ROAD CONNECTED 24 M wide road
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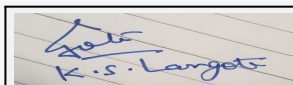
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Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	9429 sq.m.
	Area per car:	25 sq.m.
	Area per car:	25 sq.m.
	Number of 2-Wheelers as approved by competent authority:	Scooters 581 nos. & Cycles 581 nos.
	Number of 4-Wheelers as approved by competent authority:	Car 165 nos.
	Public Transport:	Project comes under urban area all transport facility is available like Bus, Auto etc.
	Width of all Internal roads (m):	9.0 m wide.
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	Category B, schedule 8(a)
	Court cases pending if any	NO
	Other Relevant Informations	THIS IS A CONSTRUCTION PROJECT AND WE WILL MAINTAINED THE ENVIRONMENTAL QUALITY AT THE TIME OF CONSTRUCTION AND OPERATION PHASE.
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-
SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS		
Summorisred in brief information of Project as below.		
Brief information of the project by SEAC		



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

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

DECISION OF SEAC

PP remains absent,

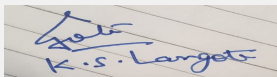
Committee decided to defer the proposal and consider a fresh.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

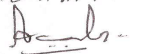
SEAC-III decided to defer the proposal till PP submits the additional information as per above conditions within 30 days

SEAC-AGENDA-00000000118


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Agenda for 67 th Meeting of SEAC-3 (Day-2)

SEAC Meeting number: 67 Meeting Date August 20, 2018

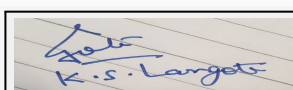
Subject: Environment Clearance for Commercial Construction Project by M/s. Gagan I - Land Township Pvt. Ltd.

Is a Violation Case: No

1.Name of Project	Gagan Commerce Center
2.Type of institution	Private
3.Name of Project Proponent	Sushil Agarwal
4.Name of Consultant	Pollution and Ecology Control Services - EMP Consultant only
5.Type of project	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	Plot no 262/B, 262/C, CTS NO 23, FINAL PLOT NO. 262, Sangamwadi, Pune
9.Taluka	Haveli
10.Village	sangamwadi
Correspondence Name:	M/s. Gagan I - Land Township Pvt. Ltd.
Room Number:	Gagan Properties
Floor:	2nd floor
Building Name:	Wellesley Court
Road/Street Name:	Wellesley Road
Locality:	Camp
City:	Pune
11.Area of the project	Pune Muncipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	In process
	IOD/IOA/Concession/Plan Approval Number: Not applicable
	Approved Built-up Area: 10577
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	4588.67 sqm
16.Deductions	438.79 sqm
17.Net Plot area	4149.88 sqm
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 14664.19
	b) Non FSI area (sq. m.): 15480.52
	c) Total BUA area (sq. m.): 30144.71
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)	1183.05
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	28.5%
21.Estimated cost of the project	750000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
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1	Commercial Building	B1+M1+B2+M2+B3+M3+G+18 Floors	68.85 mtrs
2	Amenity Building	B+M+G+4 Floors	17.5 mtrs

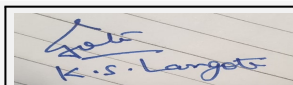
23.Number of tenants and shops	18 Shops + 70 Offices +2 Restaurants
24.Number of expected residents / users	commercial 2291 amenity 101 total 2392
25.Tenant density per hectare	NA
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	30 Meter
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	NA
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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

32.Total Water Requirement

Dry season:	Source of water	PMC
	Fresh water (CMD):	36
	Recycled water - Flushing (CMD):	75
	Recycled water - Gardening (CMD):	3
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	111
	Fire fighting - Underground water tank(CMD):	290
	Fire fighting - Overhead water tank(CMD):	72
	Excess treated water	22



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Wet season:	Source of water	PMC
	Fresh water (CMD):	36
	Recycled water - Flushing (CMD):	72
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	108
	Fire fighting - Underground water tank(CMD):	290
	Fire fighting - Overhead water tank(CMD):	72
	Excess treated water	25

Details of Swimming pool (If any)

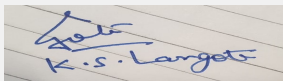
NA

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	36 KLD	36 KLD	Not applicable	3.6 KLD	3.6 KLD	Not applicable	32.4 KLD	32.4 KLD
Gardening	Not applicable	3 KLD	3 KLD	Not applicable	3KLD	3KLD	Not applicable	0	0

34.Rain Water Harvesting (RWH)

Level of the Ground water table:	15-20 M below ground level
Size and no of RWH tank(s) and Quantity:	Not Applicable
Location of the RWH tank(s):	Not Applicable
Quantity of recharge pits:	2
Size of recharge pits :	2m X 1m X 2m
Budgetary allocation (Capital cost) :	75,000
Budgetary allocation (O & M cost) :	10,000
Details of UGT tanks if any :	Domestic/ Treated UG tank Capacity: 72 KL Fire UG tank Capacity: 290 KL Raw Water Storage tank : 35.1 KL



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35.Storm water drainage	Natural water drainage pattern:	As per Contour
	Quantity of storm water:	2340.22 cum/ yr
	Size of SWD:	600 mm

Sewage and Waste water	Sewage generation in KLD:	93
	STP technology:	FAB Technology
	Capacity of STP (CMD):	1 and 100 CMD
	Location & area of the STP:	Plan Enclosed
	Budgetary allocation (Capital cost):	35,00,000
	Budgetary allocation (O & M cost):	6,42,000

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:	Evacuated earth material will be used for filling material for plinthj area and top soil for landscaping .

Waste generation in the operation Phase:	Dry waste:	418.16 kg/day
	Wet waste:	179.40 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	6 kg/day
	Others if any:	NA

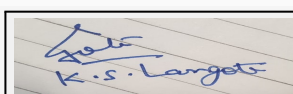
Mode of Disposal of waste:	Dry waste:	Authorized Vender
	Wet waste:	Organic Waste Converter
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	used as manure after owc convertor
	Others if any:	NA

Area requirement:	Location(s):	Plan Enclosed
	Area for the storage of waste & other material:	30 sq.m
	Area for machinery:	30 sq.m

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	10,00,000
	O & M cost:	5,57,000

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
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1	pH	-	7 to 8.5	6.5 to 7.5	Not applicable
2	COD	mg/lit	300 - 400	< 30	250
3	BOD	mg/lit	250 - 300	< 10	10
4	Suspended solids	mg/lit	350 - 450	< 5	50
5	Oil And Grease	mg/lit	10	< 5	Not applicable
6	Total Nitrogen	mg/lit	40 - 50	< 10	Not applicable
7	Total Phosphahate	mg/lit	5 - 7	< 2	Not applicable
8	Faecal Coliform	MPN / 100ml	10 ⁶ /100	N.D.	Not applicable

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

41.Source of Fuel Not applicable

42.Mode of Transportation of fuel to site Not applicable

43.Green Belt Development	Total RG area :	510.19
	No of trees to be cut :	NA
	Number of trees to be planted :	59
	List of proposed native trees :	As per below list
	Timeline for completion of plantation :	1 Year

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

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Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Largerstroemia flos reginae	TAMHAN	9	Official state flower tree
2	Michelia champaca	SONCHAFA	22	Fragrant flowering tree
3	Pterospermum acerifolium	KANAK CHAMPA	23	pollinated by bats
4	Saraca indica	SITA ASHOK	05	Small Flowering tree
45.Total quantity of plants on ground				

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

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

47.Energy

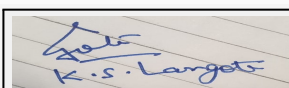
Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	39.93 KW
	DG set as Power back-up during construction phase	100 KVA
	During Operation phase (Connected load):	2433 KW
	During Operation phase (Demand load):	1622 KW
	Transformer:	1250 KVA X 1Nos. + 630 KVA X 1
	DG set as Power back-up during operation phase:	250 KVA - 01 No.
	Fuel used:	High Speed Diesel
	Details of high tension line passing through the plot if any:	NO

48.Energy saving by non-conventional method:

- ? Use of LED in Parking area, lift-lobby and stair-case.
- ? 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 is 3% to 4%

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Common lighting using LED/T5/CFL	41.2 %
2	Solar PV System	67.27 %



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3	Conventional Transformer	5.64 %
4	Automatic timer operation	33.33 %

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
DG set	Not applicable	Acroscopic Enclosure and canopy

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	78.25 lacs
	O & M cost:	2.06 lacs

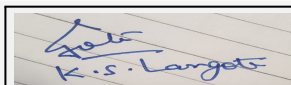
51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Erosion Control	Dust Suppression measures & barricading	5.0
2	Site Safety	Nets, Barricades	2.0
3	Site Sanitation	Public Toilets	2.0
4	Disinfection & Health Check up	for Labour	2.0
5	Environmental Monitoring	STP, OWC	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	Sewage treatment plant (including external discharge to ULB sewer line)	to treat waste water	35.0	6.42
2	Solid waste management	to treat solid waste	10.0	5.57
3	Rain water harvesting (including external discharge)	to save water	0.75	0.10
4	Landscape development	to maintain greenery on site	7.50	0.20
5	Storm water management	to collect rain water & reuse	18.00	0.50
6	Storm water management	to collect rain water & reuse	18.00	0.50
7	conventional energy (solar street light)	to save electrical energy	16.20	0.18
8	Environmental Monitoring	to maintain provided environmental services	--	1.0
9	Safety training & awareness	for labours	6.0	1.5



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

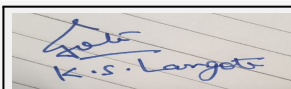
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	NA
Parking details:	Number and area of basement:	3 Basements including 3 Mezzanine floors, Area - 6095.50Sq Mtrs
	Number and area of podia:	NA
	Total Parking area:	6095.50Sq Mtrs
	Area per car:	12.5 Sq Mtrs
	Area per car:	12.5 Sq Mtrs
	Number of 2-Wheelers as approved by competent authority:	853
	Number of 4-Wheelers as approved by competent authority:	327
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	6 & 7.5m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8(a)
	Court cases pending if any	NA
	Other Relevant Informations	NA



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	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summarised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for Commercial Construction Project at Plot no 262/B, 262/C, CTS NO 23, Sangamwadi, Pune by M/s. Gagan I - Land Township Pvt. Ltd.

PP submitted their application for prior Environmental clearance for total plot area of 4588.67 Sq. Mtrs, BUA of 30144.71 Sq. Mtrs and FSI area of 14664.19 Sq. Mtrs. PP proposes to construct 1 no. commercial building & 1 no. amenity 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

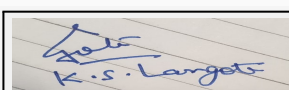
PP requested for time to submit above information; after deliberations committee asked PP to comply with the above observations and submit information to the committee for further discussion and consideration of SEAC.

Specific Conditions by SEAC:

- 1) PP to change in CS considering height of building.
- 2) PP to submit cross section through UGT with top of tank, and maintain some distance above the ground level.
- 3) PP to submit cross section at 3-4 places including UGT, OWC and DG set location showing clear road width 6 meter, 1.5 meter distance left from building line & spaces left for plantation, parking, service lines, foot paths, etc.
- 4) PP to submit energy saving calculation along with terrace area calculations.
- 5) PP to submit revised debris management plan.
- 6) PP to relocate the UGT which is proposed below the internal road.
- 7) PP to submit OWC & STP Details.
- 8) 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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Name: K of A Anil D.

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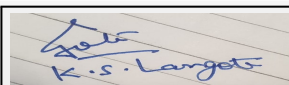
Agenda for 67 th Meeting of SEAC-3 (Day-2)

SEAC Meeting number: 67 Meeting Date August 20, 2018

Subject: Environment Clearance for Amendment in Environmental Clearance of Residential & Commercial project "Crystal Tower" by M/s. Kshitij Promoters and Developers at Village Pashan - Baner Link Road, Taluka Haveli, District Pune, Maharashtra

Is a Violation Case: No

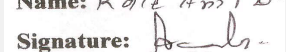
1.Name of Project	Crystal Tower
2.Type of institution	Private
3.Name of Project Proponent	Kshitij Promoters & Developers - Mr. Alok Nayak
4.Name of Consultant	Mahabal Enviro Engineers Pvt. Ltd., Thane, Maharashtra
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	Amendment in Environment Clearance
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes, We have received Environment clearance from Govt. of India vide no. F.No. 21-411/2007-IA.III dated 27.12.2007 & extension of validity for further 5 years
8.Location of the project	Survey no. OLD S. No. 134/3 + 134/4C/7+8, 134/4A P.NO.1 + 1 +PLOT 2+2/B+PLOT 2+2/A), (NEW S. No. 134/4A/1/2/+3/2/2 PLOT NO 1 + 134/3/2/1/4A/1/1 + 134/4A/1/2+3+2/2 PLOT NO 2
9.Taluka	Haveli
10.Village	Pashan (Pashan-Baner Link Road)
Correspondence Name:	Mr. Alok Nayak
Room Number:	NA
Floor:	NA
Building Name:	Blue Ridge, Near cognizant
Road/Street Name:	Rajiv Gandhi Infotech Park- phase I
Locality:	Hinjawadi
City:	Pune
11.Area of the project	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	We have received approved plan from Pune Municipal Corporation IOD/IOA/Concession/Plan Approval Number: CC/1583/17 dated 03.10.2017 Approved Built-up Area: 31666
13.Note on the initiated work (If applicable)	We have started construction work as per received EC vide file no. 21-411/2007-IA.III dated 27th December, 2007 and extension of EC vide 64th SEIAA meeting item no. 38 dated 23rd December 2013.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Approved sanction from Pune Municipal Corporation vide no.CC/1583/17 dated 03.10.2017
15.Total Plot Area (sq. m.)	24,418 m2
16.Deductions	6,676 m2
17.Net Plot area	17,741 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 31,648 m2 b) Non FSI area (sq. m.): 39,199 m2 c) Total BUA area (sq. m.): 70847
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)	9,767 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	40%
21.Estimated cost of the project	1056100000



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22. Number of buildings & its configuration

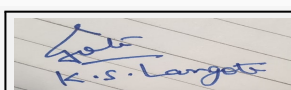
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building A	LP+UP+11 Floor	35.70 m
2	Building B	P+11 Floor	34.95 m
3	Building C	LP+UP+11 Floor	35.70 m
4	Building D	LP+UP+11 Floor	35.70 m
5	Building E	LP+UP+11 Floor	35.70 m
6	Building F	BP+LP+12 Floor	38.10 m
7	Building G	BP+LP+12 Floor	38.10 m
8	Building H	BP+LP+12 Floor	38.10 m
9	Club House	G+1	7.50 m

23. Number of tenants and shops	Tenements-356 nos. Shop-5 nos.
24. Number of expected residents / users	Residential Population-1,780 nos. Shops-44 nos.
25. Tenant density per hectare	178/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))	36 m wide DP road and 6 m wide internal road
28. Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29. Existing structure (s) if any	A, B, C, D & E Buildings, Club House & Swimming Pool Completed as received Environmental Clearance and F, G & H buildings are under construction.
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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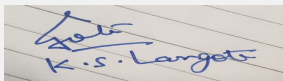
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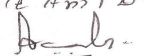
Shri. Anil Kale (Chairman SEAC-III)

Dry season:	Source of water	Pune Municipal Corporation								
	Fresh water (CMD):	161 m3/day								
	Recycled water - Flushing (CMD):	81 m3/day								
	Recycled water - Gardening (CMD):	13 m3/day								
	Swimming pool make up (Cum):	6 m3/day								
	Total Water Requirement (CMD) :	242 m3/day								
	Fire fighting - Underground water tank(CMD):	250 m3								
	Fire fighting - Overhead water tank(CMD):	20 m3 each wing								
	Excess treated water	111 m3/day								
Wet season:	Source of water	Pune Municipal Corporation								
	Fresh water (CMD):	161 m3/day								
	Recycled water - Flushing (CMD):	81 m3/day								
	Recycled water - Gardening (CMD):	7 m3/day								
	Swimming pool make up (Cum):	6 m3/day								
	Total Water Requirement (CMD) :	242 m3/day								
	Fire fighting - Underground water tank(CMD):	250 m3								
	Fire fighting - Overhead water tank(CMD):	20 m3 each wing								
	Excess treated water	117m3/day								
Details of Swimming pool (If any)	Make up water requirement - 6 m3/day 12.5 m x 6 m x 1.2 m = 1 no. 5 m x 4.5 m x 1.2 m = 1 no.									
33.Details of Total water consumed										
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)			
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total	
Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total	
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	

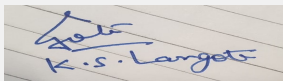

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34. Rain Water Harvesting (RWH)	Level of the Ground water table:	Approximate 20 m below ground level
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	8 nos.
	Size of recharge pits :	2.0 m x 1.0 m x 1.5 m
	Budgetary allocation (Capital cost) :	Rs. 2 lakh
	Budgetary allocation (O & M cost) :	Rs. 1 lakh/year
	Details of UGT tanks if any :	Residential and commercial Building : Domestic : 242 m ³ Flushing : 81 m ³ Fire : 250 m ³
35. Storm water drainage	Natural water drainage pattern:	Along with internal road side & as per contour slope of the plot
	Quantity of storm water:	827 m ³ /hr
	Size of SWD:	600 mm
Sewage and Waste water	Sewage generation in KLD:	218 m ³ /day
	STP technology:	Activated Sludge Process (ASP)
	Capacity of STP (CMD):	1 no. of STP with capacity 225 m ³ /day
	Location & area of the STP:	on Ground
	Budgetary allocation (Capital cost):	Rs. 56 Lakh
	Budgetary allocation (O & M cost):	Rs. 14 Lakh/Year
36. Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	32,198 m ³
	Disposal of the construction waste debris:	Material will be used for back filling & levelling of the plot.
Waste generation in the operation Phase:	Dry waste:	271 kg/day
	Wet waste:	536 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	2 kg/day
	Others if any:	NA



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Mode of Disposal of waste:	Dry waste:	Dry garbage will be segregated & handed over to authorized vendors for recycling.
	Wet waste:	Through Vermicomposting pits and Organic Waste Converter. Generated manure will be used for gardening.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Dry sludge can be used as manure for plantation & gardening purposes inside the premise.
	Others if any:	NA
Area requirement:	Location(s):	On ground
	Area for the storage of waste & other material:	56 m ²
	Area for machinery:	9 m ²
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 11 Lakh
	O & M cost:	Rs. 2 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):		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	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

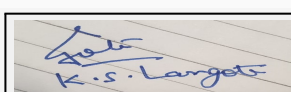
39. Stacks emission Details

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	NA
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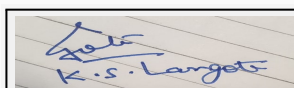
Name: K. S. Langote
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42.Mode of Transportation of fuel to site	NA
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43.Green Belt Development	Total RG area :	2,166 m2
	No of trees to be cut :	Nil
	Number of trees to be planted :	361 nos.
	List of proposed native trees :	Provided
	Timeline for completion of plantation :	December 2019

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Bahunia	Raktkanchan	28	Fast growing deciduous tree with bright (purple - pink orchid like flowers)
2	Nyctanthus arbortritis	Parijatak	3	Indigenous, Evergreen, Fragrant flowering tree, Good for garden planting
3	Michelia Champaca	Pivala Chapha	17	Graceful evergreen tree bearing fragrant flowers
4	Lagerstroemia Speciosa	Tamhan	32	Large tropical flowering tree, official state tree having medicinal properties.
5	Drypetes roxburghi	Putranjiva	15	Medium sized evergreen tree with cascading foliage (Pendant like branches)
6	Cassia Fistula	Bahava	16	Tropical ornamental tree with bright, yellow, fragrant flowers; attracts bees and butterflies
7	Alstonia Scholaris	Satvin	11	Elegant, evergreen, ornamental tree with white color fragrant flower, having medicinal properties.
8	Syzycium Cumini	Jambhul	3	Evergreen, tropical, fruit bearing tree, having medicinal properties.
9	Dalbergia Sissoo	Sisu	12	Medium size deciduous, shade giving tree with fragrant flowers, having medicinal properties, ornamental values.
10	Mimusops Elengi	Bakul	47	Small, shady tree with shiny green leaves having star shapes fragrant flowers, having medicinal property.
11	Phyllanthus Emblica	Awala	2	Medium sized deciduous tree with spherical, light greenish yellow fruits, having medicinal property.
12	Azardiachta Indica	Kadulimb	25	Draught tolerant evergreen tree, having list of medicinal property.
13	Saraca Indica	Sita-Ashok	20	Small, evergreen tree with orange and scarlet clustered fascinating flowers



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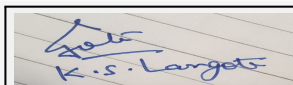
14	Millenstonia Hortensis	Bush	12	Tall and straight, brittle wood, fast growing tree having few branches with long fragrant flowers.
15	Melia Dubia	Mahaneem	21	Tall, very fast growing, Evergreen tree, Having Commercial values
16	Ziziphus Jujuba	Bor	2	Small deciduous tree with thorny branches, having shiny leafy, edible fruits.
17	Khaya Grandis	Mohgani	35	Tall, fast growing, semi-evergreen tree with shining leaves
18	Tectona Grandis	Saag	4	Deciduous, medium size tree with large leaf and having a good quality wood and commercial importance.
19	Murraya Paniculata	Kunti/Kamini	19	Small deciduous tree with cream color, orange like fragrance flowers
20	Dillenia Indica	Karmal	24	Large leaf, evergreen fruit bearing tree, commonly known as elephant apple.
21	Aegle Marmelos	Bel	15	Deciduous, evergreen, fruit bearing tree, commonly known as stone or wood apple
22	Total trees	-	361	-
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	100 kW
	DG set as Power back-up during construction phase	62.5 kVA
	During Operation phase (Connected load):	2.19 MW
	During Operation phase (Demand load):	1.53 MW
	Transformer:	3 nos. x 630 kVA
	DG set as Power back-up during operation phase:	2 nos. x 250 kVA
	Fuel used:	Diesel
Details of high tension line passing through the plot if any:	NA	



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48. Energy saving by non-conventional method:

Solar Water Heating
LED Lights in common area
Maximum daylight and ventilation

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	LED in common areas.	-
2	Energy efficient pumps.	-
3	Efficient Envelope to reduce heat gain	-
4	Right glass & WWR for maximum light & Ventilation	-
5	Solar water heating	-
6	Timer for Staircase lightening, Lift Lobby, Parking area and street light.	-
7	Overall Energy Saving	2 %

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. 64 lakh
	O & M cost:	Rs. 1 Lakh/year

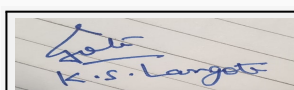
51. Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water for dust suppression	Rs. 2
2	Socio-Economic Environment	Site sanitation, Toilets, STP, safe drinking water	Rs. 5
3	Disinfection & Health Check Up	Health check-up for workers, first Aid kit Disinfection at site	Rs. 2
4	Environment management	For Air, Noise, Water Analysis	Rs. 9
5	Labour safety equipment and training	Labour safety equipment and training	Rs. 5
6	Total	-	Rs. 23

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	STP having capacity 1 x 225 m ³ /day	56	14
2	Rain water Harvesting	8 nos. of recharge pits	2	1
3	Solid Waste Management	Vermicomposting & OWC	11	2



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4	Environmental Monitoring	Monitoring & analysis of Air, Noise, Water Analysis	MoEFCC cApproved Laboratory	2
5	Landscape development	Tree Plantation	16	2
6	Energy Saving	Solar street lighting	64	1
7	Laying of storm & Sewer line up to final disposal point	Laying of storm & Sewer line up to final disposal point	55	3
8	Total	-	204	25

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

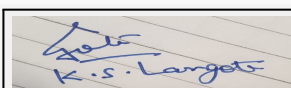
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1 no. on 36 m wide road
Parking details:	Number and area of basement:	1 basement with area-3,185 m ²
	Number and area of podia:	NA
	Total Parking area:	15,625 m ²
	Area per car:	30 m ²
	Area per car:	30 m ²
	Number of 2-Wheelers as approved by competent authority:	914 nos.
	Number of 4-Wheelers as approved by competent authority:	612 nos.
	Public Transport:	NA
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	NA

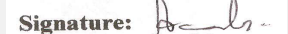


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	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	NA
	Court cases pending if any	NA
	Other Relevant Informations	We have received Environment Clearance from Govt. of India vide no. F.No. 21-411/2007-IA.III dated 27.12.2007 & extension of validity for further 5 years granted as per minutes of 64th SEIAA meeting i.e. upto 27.12.2017. Now, we are applying for amendment in Environment Clearance.
	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

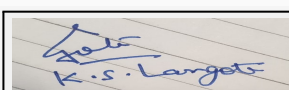
Amendment in Environmental Clearance of Residential & Commercial project "Crystal Tower" at Survey no. OLD S. No. 134/3 + 134/4C/7+8, 134/4A P.NO.1 + 1 + PLOT 2+2/B+PLOT 2+2/A), (NEW S. No. 134/4A/1/2/+3/2/2 PLOT NO 1 + 134/3/2/1/4A/1/1+ 134/4A/1/2+3+2/2 PLOT NO 2 Village Pashan - Baner Link Road, Taluka Haveli, District Pune, by M/s. Kshitij Promoters and Developers.

PP submitted their application for amendment in earlier Environmental clearance for total plot area of 24418 Sq. Mtrs, BUA of 70847 Sq. Mtrs and FSI area of 31648 Sq. Mtrs. PP proposes to construct 8 no. residential 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.

During discussion pp stated that they are going to remove the one building which was proposed in earlier EC, and resulting into reduction into 31 no tenement also overall reduction in environmental parameters.

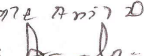
DECISION OF SEAC



K.S.Langote (Secretary SEAC-III)

SEAC Meeting No: 67 Meeting Date: August 20, 2018

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Name: K. Anil Kale
Signature: 

Shri. Anil Kale (Chairman SEAC-III)

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

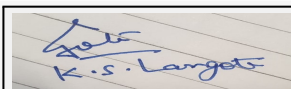
Specific Conditions by SEAC:

- 1) Earlier EC conditions imposed will continue to apply this proposal.
- 2) PP to submit an indemnity bond for project land.
- 3) PP to submit STP performance.
- 4) PP to upload energy saving calculation along with terrace area calculations.
- 5) 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.
- 6) PP to submit an affidavit stating that except reducing one building ,resulting in reduction of 31 tenements ,rest of the plan remains unchanged.

FINAL RECOMMENDATION

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

SEAC-AGENDA-00000000118



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

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2018**

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Signature:

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

Agenda for 67 th Meeting of SEAC-3 (Day-2)

SEAC Meeting number: 67 Meeting Date August 20, 2018

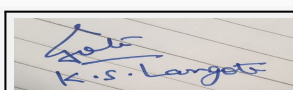
Subject: Environment Clearance for New Construction, "Residential & Commercial Development

Is a Violation Case: No

1.Name of Project	Proposed Residential & Commercial Scheme by Majestique Homes LLP
2.Type of institution	Private
3.Name of Project Proponent	Majestique Homes LLP through Mr Aditya Agarwal,
4.Name of Consultant	M/s. Ultra-Tech (Environmental Consultancy & Laboratory)
5.Type of project	Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	New
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Sr. No. 5/1, 5/2, A & B, 5/3/1, 5/4/1, 6/4B
9.Taluka	Haveli
10.Village	Balewadi
Correspondence Name:	Majestique Homes LLP
Room Number:	office No.- 3,4,5,
Floor:	-
Building Name:	Swayambhu, Sujay Garden
Road/Street Name:	Sujay Garden
Locality:	Mukundnagar
City:	Pune
11.Area of the project	Pune Municipal Corporation (PMC)
12.IOD/IOA/Concession/Plan Approval Number	Applied
	IOD/IOA/Concession/Plan Approval Number: Applied
	Approved Built-up Area: 118798.11
13.Note on the initiated work (If applicable)	No work Initiated for proposed project
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Applied
15.Total Plot Area (sq. m.)	26333 Sq.m.
16.Deductions	4326.27 Sq.m.
17.Net Plot area	22006.73 Sq.m.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 70313.78
	b) Non FSI area (sq. m.): 48484.33
	c) Total BUA area (sq. m.): 118798.11
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)	6636.31
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	30.15%
21.Estimated cost of the project	2500000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
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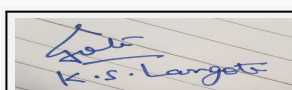
1	A1+A2 - 2 wings of 1 building	3P+15	49.95
2	B1+B2 - 2 wings of 1 building	3P+15	49.95
3	C - 1 Building	3P+15	49.95
4	D - 1 Building	3P+15	49.95
5	Retail Shops - 1 Building	P+G+3	12.15
6	MHADA - 1 Building	2P+12	39.95
7	Club house - 1 no.	G+1	7.2

23.Number of tenants and shops	898 FLATS+13 SHOPS+4HALLS+2 RESTAURANT+1 CLUB HOUSE
24.Number of expected residents / users	Residential - 4490, Commercial - 288
25.Tenant density per hectare	353
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	Approach Road - 30 mtr.
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Turning radius for easy access of fire tender movement from all around the Building is 9 m
29.Existing structure (s) if any	Sheds- 2 nos - to be removed. Structures - 3 nos. - will be demolished
30.Details of the demolition with disposal (If applicable)	Sheds- 2 nos - to be removed. Structures - 3 nos. - will be demolished

31.Production Details

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

32.Total Water Requirement



K.S.Langote (Secretary SEAC-III)

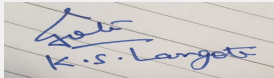
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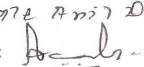
Shri. Anil Kale (Chairman SEAC-III)

Dry season:	Source of water	Pune Municipal Corporation
	Fresh water (CMD):	410
	Recycled water - Flushing (CMD):	209
	Recycled water - Gardening (CMD):	16
	Swimming pool make up (Cum):	3.28
	Total Water Requirement (CMD) :	638.28
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	20 for each Bldg - Residential 25 - For MHADA 5 - For Commercial
	Excess treated water	276
Wet season:	Source of water	Pune Municipal Corporation
	Fresh water (CMD):	410
	Recycled water - Flushing (CMD):	209
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	3.28
	Total Water Requirement (CMD) :	622.28
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	20 for each Bldg - Residential 25 - For MHADA 5 - For Commercial
	Excess treated water	292
Details of Swimming pool (If any)	<p>Dimension of Swimming Pool: Main Pool Size: 8m x 16 m x 1.2 m depth Baby Pool Size: 6 m x 6 m x 0.7 m depth Area of swimming pool -164 m² Total water Requirement in KL: 178.80 KL Water requirement for make up in KLD: 3.28 KLD</p> <p>Details of Plant & Machinery used for treatment of Swimming pool water filters, filter media, Self Priming pump, Control panel for pump, Vacuum fitting Chemicals required for maintaining the Swimming Pool TCCA (Trichloroicocynuric Acid) granules.Disinfection by: Chlorination Details of quality to be achieved For swimming pool water and parameters to be monitored: Sr. No. Parameters Standard 1. pH 7.2 7.6 2. Chlorine level 1 to 1.5 mg/l</p> <p>Capital Cost: O & M cost: - Capital Cost: 12.25 Lakh O & M Cost: 2.40 Lakh per annum</p>	
33.Details of Total water consumed		


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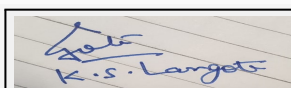
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Fresh water requirement	Not applicable	410	410	NA	41	41	Not applicable	369	369
Domestic	NA	209	209	NA	21	21	NA	188	188
Gardening	NA	16	16	NA	0	0	NA	0	0

34. Rain Water Harvesting (RWH)	Level of the Ground water table:	21 to 24 mtr
	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 :	2.0 m X 2.0 m X 2.50 m
	Budgetary allocation (Capital cost) :	Rs. 4.50 Lac
	Budgetary allocation (O & M cost) :	Rs. 0.72 Lacs/annum
Details of UGT tanks if any :	Domestic UG tank Capacity (cum) : Residential & Commercial: 559 KL Mhada: 67KL Flushing UG tank Capacity(cum) Residential & Commercial:282 KL Mhada: 34 KL Fire UG tank Capacity (cum) Residential & Commercial: 300 KL Mhada:50 KL	

35. Storm water drainage	Natural water drainage pattern:	West to East
	Quantity of storm water:	15.04 cum/min
	Size of SWD:	450mm Dia. Pipe

Sewage and Waste water	Sewage generation in KLD:	557
	STP technology:	MBBR
	Capacity of STP (CMD):	570 (STP 1 - 530 KLD for Residential, STP 2 - 60 KLD - MHADA
	Location & area of the STP:	530 KLD- Near Bldg D 320 m2 , 60 KLD - Near MHADA 36 m2
	Budgetary allocation (Capital cost):	Rs. 147 Lacs
	Budgetary allocation (O & M cost):	Rs. 4.8 Lacs/annum

36. Solid waste Management



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Waste generation in the Pre Construction and Construction phase:	Waste generation:	Total Excavated Material - 4912 Cum, backfilling Quantity - 2775 Cum
	Disposal of the construction waste debris:	To authorised site as per C & D Waste Rules, 2016.
Waste generation in the operation Phase:	Dry waste:	941
	Wet waste:	1376
	Hazardous waste:	NIL
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	72 KG/DAY
	Others if any:	E waste - 2533 KG/YEAR
Mode of Disposal of waste:	Dry waste:	Handed over to Local authority (SWaCH)
	Wet waste:	will be treated in Organic Waste Composter
	Hazardous waste:	NIL
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as manure
	Others if any:	E waste handed over to Authorised agency (SWaCH)
Area requirement:	Location(s):	East of Plot
	Area for the storage of waste & other material:	OWC 1 -: 20.00 m ² OWC 2 -: 8.00 m ²
	Area for machinery:	OWC 1 -: 76 m ² , OWC 2 -: 24.00 m ²
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 43.50 Lacs
	O & M cost:	Rs. 9.36 Lacs/annum

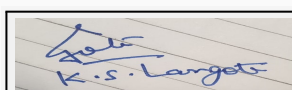
37. Effluent Characteristics

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

38. Hazardous Waste Details

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

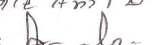
39. Stacks emission Details



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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	30 KVA	HSD	1	22.4	0.075	408C
2	140 KVA	HSD	1	3.5	0.15	541C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel	Not applicable	27.88 Kg/hr	27.88 Kg/hr

41.Source of Fuel Authorized Dealer

42.Mode of Transportation of fuel to site By road

43.Green Belt Development	Total RG area :	2595.73
	No of trees to be cut :	1
	Number of trees to be planted :	330 AzadirachtaIndica - Neem - 6 nos - to be Acasia Arabica -Babhul - 3 Nos. 1 no - to be cut. 2 nos - to be retained
	List of proposed native trees :	All Native
	Timeline for completion of plantation :	3 years

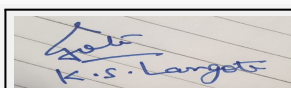
44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Manikar azapota	Chikoo	29	Tropical fruit tree & bird attracting tree
2	Michelia champaca	Champa	35	Evergreen timber plant, ornamental,
3	Mimuso peselengi	Bakul	35	Evergreen tree, timber yielding and medicinal plant
4	Ficus benjamina	Weeping fig	25	Evergreen & bird attracting tree
5	Cassia fistula	Golden shower	25	Drought tolerant, ornamental & medicinal plant
6	Butea monosperma	Flame tree	28	Used in pesticide & dye preparation,
7	Cassia grandis	Pink shower	35	Drought tolerant, ornamental & medicinal plant
8	Saraca indica	Sitaashok	28	Evergreen medicinal plant
9	Roystonea regia	Royal palm	5	Nitrogen fixer, ornamental plant
10	Syzygium cumini	Jambhul	30	fruit tree & bird attracting
11	Neolamarkia cadamba	Kadamba tree	30	Tropical fruit tree & bird attracting tree
12	Mangifera indica	Mango tree	25	Evergreen & bird attracting tree

45.Total quantity of plants on ground

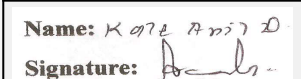
46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
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SEAC-III)

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1	Duranta	0.45	70
2	Golden dew drop	0.45	70
3	Oleander pink	0.45	70
4	Oleander red	0.45	70
5	Oleander white	0.25	70
6	Gaudichaudi	0.25	70
7	Crape jasmine	0.25	70
8	Tagar miniature	0.25	62

47. Energy

Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	44 KW
	DG set as Power back-up during construction phase	62.5 KVA
	During Operation phase (Connected load):	4869.24 KW
	During Operation phase (Demand load):	2139.87 KVA
	Transformer:	630 KVA- 4 NOS
	DG set as Power back-up during operation phase:	FOR RESIDENTIAL-140 KVA & FOR MHADA- 30 KVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NO

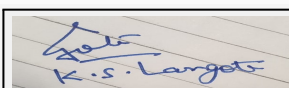
48. Energy saving by non-conventional method:

Solar PV & Solar water heating will be provided

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	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) 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. 4) All cables will be derated to avoid heating during use. This also indirectly reduces losses and improves reliabi	53%
2	125 Ltrs Solar water is provided for each flat .	82%
3	Solar PV of 4KW is proposed for Common Area Lighting lighting.	31 %

50. Details of pollution control Systems



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Source	Existing pollution control system	Proposed to be installed
STP	NA	2
OWC	NA	2
DG set	NA	2
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 186.67 Lacs
	O & M cost:	Rs. 17.46 Lacs/annum

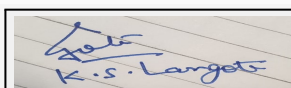
51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air	Water For Dust Suppression	1.44
2	Air	Air & Noise Monitoring	0.48
3	Water	Tanker Water For Construction	6
4	Water	Water Monitoring	0.6
5	Land	Site Sanitation- Mobile toilets	2.4
6	Biological	Gardening Set Up and top soil preservation	9.36
7	Socio- Economic Environment	Disinfection- Pest Control	0.18
8	Socio- Economic Environment	First Aid Facilities	0.3
9	Socio- Economic Environment	Health Check Up	0.1
10	Socio- Economic Environment	Creches For Children	0.6
11	Socio- Economic Environment	Personal Protective Equipment	0.6
12	Socio- Economic Environment	CFL Lamp for hutment	0.01
13	Total	total	22.07

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	2 no STP will be provided	147.00	4.8
2	Rain Water Harvesting	6 no pit will be provided	4.5	0.7
3	Solid Waste Management	2 no OWC will be provided	43.50	9.36
4	Green Belt Development	RG will be provided	35.67	5.00
5	Green Belt Development	RG will be provided	35.67	5.00



**K.S.Langote (Secretary
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6	Energy Use (Solar water heating + Solar PV)	Energy saving	186.67	17.46
7	Environmental Monitoring	From MoEFCC approved laboratory	0	18.74

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

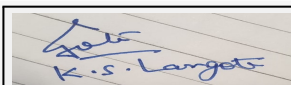
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1
Parking details:	Number and area of basement:	Ground - Open- 5000 sqmt.
	Number and area of podia:	22920
	Total Parking area:	27140 Sq.m.
	Area per car:	Open -25 Sq. Mt. Covered - 30 Sq.Mt.
	Area per car:	Open - 25 Sq. Mt. Covered - 30 Sq.Mt.
	Number of 2-Wheelers as approved by competent authority:	Scooter - 1970 Bi-Cycle - 1113
	Number of 4-Wheelers as approved by competent authority:	964
	Public Transport:	Pune MahanagarParivahanMahamandal Limited (PMPML) Balewadi Bus depot
	Width of all Internal roads (m):	6m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA



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	Category as per schedule of EIA Notification sheet	8a (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

Summarised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for New Construction, "Residential & Commercial Development at Sr. No. 5/1, 5/2, A & B, 5/3/1, 5/4/1, 6/4B, Balewadi by M/s.Majestique Homes LLP.

DECISION OF SEAC

PP submitted their application for prior Environmental clearance for total plot area of 26333 Sq. Mtrs, BUA of 118798.11 Sq. Mtrs and FSI area of 7031378 Sq. Mtrs. PP proposes to construct 6 no. residential building & 1 club house.

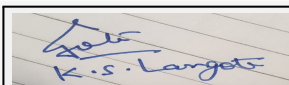
PP remains absent,

Committee decided to defer the proposal and consider a fresh.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

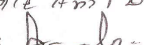
SEAC-III decided to defer the proposal till PP submits the additional information as per above conditions within 30 days



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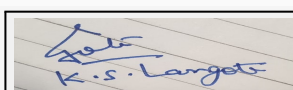
Agenda for 67 th Meeting of SEAC-3 (Day-2)

SEAC Meeting number: 67 Meeting Date August 20, 2018

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

Is a Violation Case: No

1.Name of Project	Change in the Use of Existing IT Building as Hospital ASHOKA MEDICOVER HOSPITAL at Plot No.02, S.No 113/2, Indiranagar Wadala Road, Wadala, Nashik - 422009, Maharashtra.
2.Type of institution	Private
3.Name of Project Proponent	M/s. Ashoka Institute of Medical Sciences & Research and VIVA Infrastructure Ltd. / Mr. Anup S. Katariya
4.Name of Consultant	MANTRAS GREEN RESOURCES LIMITED.
5.Type of project	Housing Project - Hospital Project
6.New project/expansion in existing project/modernization/diversification in existing project	Diversification in Existing Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes. Environmental Clearance has been obtained on 01/02/2011 in the name of "V Tech IT Park" from SEIAA, Maharashtra.
8.Location of the project	Plot No.02, S.No 113/2, Indiranagar Wadala Road, Wadala, Nashik - 422009, Maharashtra.
9.Taluka	Nashik
10.Village	Wadala
Correspondence Name:	Mr. Anup S. Katariya
Room Number:	NA
Floor:	NA
Building Name:	NA
Road/Street Name:	NA
Locality:	Plot No.02, S.No 113/2, Indiranagar Wadala Road, Wadala, Nashik - 422009, Maharashtra.
City:	Nashik
11.Area of the project	Nashik Municipal Corporation.
12.IOD/IOA/Concession/Plan Approval Number	Approved Layout has been obtained from Town Planning Department, Nashik Municipal Corporation on 10/11/2015 Vide Letter No.A4/11. IOD/IOA/Concession/Plan Approval Number: Letter No.A4/11. Approved Built-up Area: 30633.26
13.Note on the initiated work (If applicable)	The work initiated includes Block A & C in Plot No. 2 with FSI = 24607.39 + Non FSI = 5642.25 = 30249.64 Sq. M.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Sanction plan has been issued by Nashik Municipal Corporation, Nashik
15.Total Plot Area (sq. m.)	14089 Sq. M.
16.Deductions	NA
17.Net Plot area	14089 Sq. M.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 30633.26 b) Non FSI area (sq. m.): 22092.93 c) Total BUA area (sq. m.): 52726.19
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 30633.26 Approved Non FSI area (sq. m.): Date of Approval: 07-04-2018
19.Total ground coverage (m2)	7381.38
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	52
21.Estimated cost of the project	1400000000



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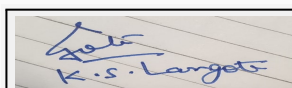
22. Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Hospital Building A Wing	1 Basement + 1 Ground + 1 Mezzanine + 7 Floors	34
2	Hospital Building B Wing	1 Basement + 1 Ground + 4 Floors	18
23. Number of tenants and shops	270 Bedded Hospital Project with Supporting Infrastructure Facilities.		
24. Number of expected residents / users	Total Population: 1080 Persons.		
25. Tenant density per hectare	NA		
26. Height of the building(s)			
27. Right of way (Width of the road from the nearest fire station to the proposed building(s))	Fire Brigade Office is about 2.2 Km Away from the Project Site towards NNW. Width of the Road is about 24 mtr to 15 mtr.		
28. Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.0 M.		
29. Existing structure (s) if any	The Project Proponent is now proposing Hospital in the Existing Commercial Building on Plot No.02 with additions and alterations with amalgamation of Amenity plot. After amalgamation, Area of the Plot is 14, 089 m ² . Total Potential Built-up Area of this Project will be 45,000 m ² (approx.) out of which 23,671m ² is already constructed and 10,445.7m ² is proposed to be constructed in Phase - 1: Hospital Building and rest 10,883.3m ² will be proposed in further Phases later.. Hospital Building 'A' Win		
30. Details of the demolition with disposal (If applicable)	NA		

31. Production Details

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

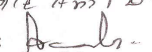
32. Total Water Requirement



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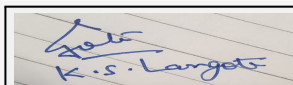
Name: K. S. Langote
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Dry season:	Source of water	Fresh Water from Nashik Municipal Corporation (NMC) & Recycled Water
	Fresh water (CMD):	198
	Recycled water - Flushing (CMD):	53 Fresh
	Recycled water - Gardening (CMD):	6
	Swimming pool make up (Cum):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

33.Details of Total water consumed

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



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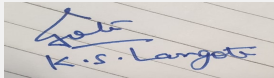
34.Rain Water Harvesting (RWH)	Level of the Ground water table:	Ground Water Level has been observed between 2.1 m and 2.45 meter below ground level (mbgl).
	Size and no of RWH tank(s) and Quantity:	4 Nos. of RWH Tanks will be provided. Capacity of each RWH Tank will be 6.0 KLD. RWH Tanks will be provided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

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

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

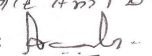
36.Solid waste Management

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


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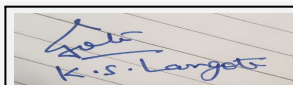
Waste generation in the operation Phase:	Dry waste:	Non-biodegradable - 253 Kg / day
	Wet waste:	Biodegradable - 122 Kg / day
	Hazardous waste:	ETP Sludge - 1.6 kg / Day
	Biomedical waste (If applicable):	Biomedical - 111 kg / day
	STP Sludge (Dry sludge):	STP Sludge - 34 kg/day
	Others if any:	NA
Mode of Disposal of waste:	Dry waste:	Non-biodegradable - Will be handed over to Authorized Recycler.
	Wet waste:	Biodegradable - Will be used for Composting.
	Hazardous waste:	ETP Sludge - Will be handed over to Water Grace BMW & Hazardous Waste Management Services.
	Biomedical waste (If applicable):	Biomedical - Will be handed over to Authorized Recycler for incineration.
	STP Sludge (Dry sludge):	STP Sludge - Dry sludge shall be used as manure.
	Others if any:	NA
Area requirement:	Location(s):	Near STP
	Area for the storage of waste & other material:	30 Sq. M.
	Area for machinery:	25 Sq. M.
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	00
	O & M cost:	1000000

37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	NA	6.0 - 8.0	6.5 - 8.5	5.5 - 9
2	BOD	Mg/l	300	< 10	Less than 100
3	COD	Mg/l	600	< 100	Less than 250
4	TSS	Mg/l	300	= 10	Less than 100
5	Oil & Grease	Mg/l	15	= 5	Less than 10
Amount of effluent generation (CMD):		8 KLD			
Capacity of the ETP:		10 KLD			
Amount of treated effluent recycled :		7 KLD			
Amount of water send to the CETP:		00			
Membership of CETP (if require):		NA			
Note on ETP technology to be used		Advanced Tertiary Treatment.			
Disposal of the ETP sludge		Not applicable			

38. Hazardous Waste Details

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



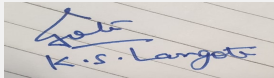
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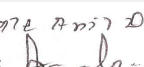
Name: K. S. Langote
Signature: [Signature]
Shri. Anil Kale (Chairman SEAC-III)

39.Stacks emission Details						
Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	2 Nos. of D.G Sets of 1500 kVA Capacity each	HSD	2	8.85	0.2	40 (oC)
40.Details of Fuel to be used						
Serial Number	Type of Fuel	Existing	Proposed	Total		
1	HSD	NA	3282 Ltr./M	3282 Ltr./M		
41.Source of Fuel		Local Source				
42.Mode of Transportation of fuel to site		Fuel will be transported to site by Sealed Ms Drums through Closed Containers.				
43.Green Belt Development	Total RG area :	3975 m2				
	No of trees to be cut :	NA				
	Number of trees to be planted :	About 177 Nos. of Trees will be planted.				
	List of proposed native trees :	1.Albizia lebbeck 2.Azadiracta indica 3.Saraca asoka 4.Anthocephallus cadamba 5.Psidium guajava 6.Nyctanthes arbor-tristis 7.Ochna obtusata 8.Murraya paniculatum 9.Manilkara zapota 10.Citrus limon 11.Bauhinia racemosa 12.Mimusops elengi 13.Pongamia pinnata 14.Mangifera indica 15.Syzygium cumini 16.Lagerstroemia reginae 17.Cassia fistula 18.Erythrina variegata 19.Terminalia catapa 20.Terminalia arjuna				
	Timeline for completion of plantation :	1 Year				
44.Number and list of trees species to be planted in the ground						
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance		
1	Azadirachta indica	Neem	8	Evergreen		
45.Total quantity of plants on ground						
46.Number and list of shrubs and bushes species to be planted in the podium RG:						
Serial Number	Name	C/C Distance	Area m2			
1	NA	NA	NA			
47.Energy						


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Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	60 KW
	DG set as Power back-up during construction phase	1 D.G Set of 250 kVA
	During Operation phase (Connected load):	Connected Load - 3900 KW
	During Operation phase (Demand load):	Maximum Demand - 2600 kVA
	Transformer:	2000 kVA x 2
	DG set as Power back-up during operation phase:	2 Nos. of D.G Sets of 1500 kVA Capacity each.
	Fuel used:	HSD - 3282 Ltr./M
	Details of high tension line passing through the plot if any:	NA

48. Energy saving by non-conventional method:

26 kVA / day Power Generation by Solar PV Panels:

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

2500 LPD Water Heating by Solar Water Heating System:

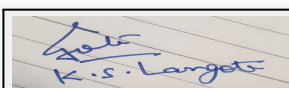
Total Hot Water Requirement for this Hospital Project is 12 KLD. Solar Water Heating will be provided to meet 20% of this Hot Water Demand i.e 2.4 KLD Hot Water will be provided by Solar Water Heating System as per the State Level / Local Building Bye-Law's Requirement. 1250 LPD x 2 = 2500 LPD Sunglow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

49. Detail calculations & % of saving:

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

50. Details of pollution control Systems

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



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

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

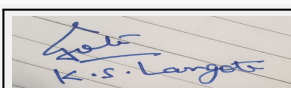
51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water for dust suppression	5.0
2	Site sanitation, Disinfection	Mobile Toilets, Fumigation	3.0
3	Environment Monitoring	Air, Noise, Water & Soil	3.0
4	Health & Safety	Health check up, Personal protective equipments	4.0
5	Environment Management Cell	Formation of cell	5.0

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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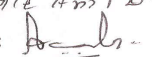


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1	Water Environment	RWH	20.0	0.5
2	Bio-degradable Solid Waste	OWC	15.0	1.5
3	Effluent Treatment	ETP	10.0	05
4	Sewage Treatment	STP	72.0	1.5
5	Air, Land & Soil Environment	Landscaping	12.0	2.0
6	Renewable Energy	Non Conventional Energy System	26.0	2.0
7	Biomedical Waste	Biomedical Waste Management	15	2.0

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

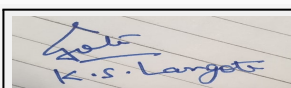
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
HSD	NA	Fuel Storage	1000 Ltrs.	1000 Ltrs.	3282 Ltr./M	Local Source	Sealed MS Drums and through Closed Containers

52.Any Other Information

No Information Available

53.Traffic Management

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

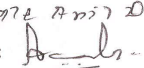


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	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8(a)
	Court cases pending if any	NA
	Other Relevant Informations	No
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summarised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for Change in the Use of Existing IT Building as Hospital ASHOKA MEDICOVERHOSPITAL at Plot No.02, S.No 113/2, Indiranagar Wadala Road, Wadala, Nashik - 422009, Maharashtra.by M/s. Ashoka Institute of Medical Sciences & Research and VIVA Infrastructure Ltd.

PP submitted their application for prior Environmental clearance for total plot area of 14089 Sq. Mtrs, BUA of 34116.7 Sq. Mtrs and FSI area of 30633.26 Sq. Mtrs. PP proposes to construct 1 no. hospital building(wings).

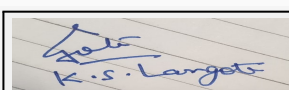
The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8 (a) B2.

DECISION OF SEAC

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

Specific Conditions by SEAC:

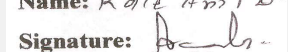
- 1) PP to submit NOC from Commissioner Industries, Government of Maharashtra and Municipal Commissioner, Nasik Municipal Corporation, Nasik for change of use from IT Building to Hospital .
- 2) PP to submit an indemnity bond for project land.
- 3) PP to submit details of CER activities in consultation with the affected people in the project area as per MoEF& CC circular dated 1/05/2018.
- 4) PP to submit an indemnity bond for change of name.



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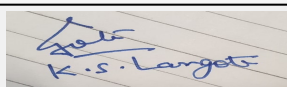
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FINAL RECOMMENDATION

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

SEAC-AGENDA-00000000118



**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 Meeting of SEAC-3 (Day-2)

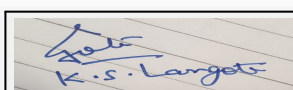
SEAC Meeting number: 67 Meeting Date August 20, 2018

Subject: Environment Clearance for Environmental Clearance for New Commercial Development with Convenient Shopping

Is a Violation Case: No

1.Name of Project	Imperium Alpha
2.Type of institution	Private
3.Name of Project Proponent	M/s Gera Developments Pvt. Ltd.through Mrs. Reji Menon
4.Name of Consultant	Ultra-Tech (Environmental Consultancy & Laboratory)
5.Type of project	Commercial Development (offices, shops and restaurant)
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 64 , Plot no 3,
9.Taluka	Haveli
10.Village	Kharadi
Correspondence Name:	Mrs. Reji Menon
Room Number:	Gera Developments Pvt. Limited,
Floor:	--
Building Name:	gera Plaza Plot no. 200
Road/Street Name:	Boat club road
Locality:	--
City:	Pune
11.Area of the project	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Letter No. DPO/CC 1419/18 dated 08/08/2018 Pune Municipal Corporation for Construction built up area 28646.00 Sqm
	IOD/IOA/Concession/Plan Approval Number: Letter No. DPO/CC 1419/18 dated 08/08/2018 Pune Municipal Corporation for Construction built up area 28646.00 Sqm
	Approved Built-up Area: 28646.00
13.Note on the initiated work (If applicable)	Work Initiated as per Sanction received. Site cleaning and excavation started.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	5023.00 Sqm
16.Deductions	0
17.Net Plot area	5023.00 Sqm
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 14333.48
	b) Non FSI area (sq. m.): 14312.52
	c) Total BUA area (sq. m.): 28646.00
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 14333.48
	Approved Non FSI area (sq. m.): 14312.52
	Date of Approval: 08-08-2018
19.Total ground coverage (m2)	1707
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	33.98%
21.Estimated cost of the project	585000000

22.Number of buildings & its configuration

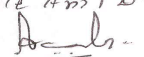


K.S.Langote (Secretary SEAC-III)

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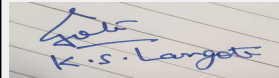
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Name: K. Anil Kale

Signature: 

Shri. Anil Kale (Chairman SEAC-III)

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)	
1	Commercial Building	3B + LG + UG + Mezzanine + 11 floors	40.14	
23.Number of tenants and shops	Number of Offices: 235 nos. Number of Shops: 49nos. Number of restaurants:2nos.			
24.Number of expected residents / users	2326 nos.			
25.Tenant density per hectare	Not Applicable			
26.Height of the building(s)				
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	30 m wide road			
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	6m			
29.Existing structure (s) if any	No			
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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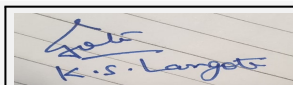
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Name: K. S. Anil Kale
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Shri. Anil Kale (Chairman SEAC-III)

Dry season:	Source of water	Pune Municipal Corporation
	Fresh water (CMD):	73.80 CMD
	Recycled water - Flushing (CMD):	42.45 CMD
	Recycled water - Gardening (CMD):	3.85 CMD
	Swimming pool make up (Cum):	Not Applicable
	Total Water Requirement (CMD) :	120.095
	Fire fighting - Underground water tank(CMD):	200 CMD
	Fire fighting - Overhead water tank(CMD):	20 CMD
	Excess treated water	58.88 CMD
Wet season:	Source of water	Pune Municipal Corporation
	Fresh water (CMD):	73.80 CMD
	Recycled water - Flushing (CMD):	42.45 CMD
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	Not Applicable
	Total Water Requirement (CMD) :	116.95
	Fire fighting - Underground water tank(CMD):	200 CMD
	Fire fighting - Overhead water tank(CMD):	20 CMD
	Excess treated water	62.73 CMD
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
Fresh water requirement	00	73.80	73.80	00	11.07	N11.07	00	62.73	62.73
Domestic	00	42.45	42.45	00	00	00	00	42.45	42.45
Gardening	00	3.85	3.85	00	3.85	3.85	00	00	00



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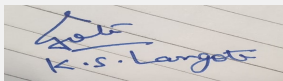
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Name: K. Anil Kale

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Shri. Anil Kale (Chairman SEAC-III)

34.Rain Water Harvesting (RWH)	Level of the Ground water table:	Average 26 m
	Size and no of RWH tank(s) and Quantity:	Not Applicable
	Location of the RWH tank(s):	Not Applicable
	Quantity of recharge pits:	3 nos.
	Size of recharge pits :	1.5 m x 1.5 m x 1.5 m
	Budgetary allocation (Capital cost) :	4.5 Lakhs
	Budgetary allocation (O & M cost) :	0.20 Lakhs per year
	Details of UGT tanks if any :	Under Ground Domestic : 117Cum Under Ground Raw :45 Cum Under Ground Flushing: 90 Cum
35.Storm water drainage	Natural water drainage pattern:	From South to North
	Quantity of storm water:	0.003 m3/sec (After Construction)
	Size of SWD:	450 mm dia
Sewage and Waste water	Sewage generation in KLD:	105.175
	STP technology:	MBBR
	Capacity of STP (CMD):	110 KLD
	Location & area of the STP:	On West side, area 82.54 sqm
	Budgetary allocation (Capital cost):	16 Lakhs
	Budgetary allocation (O & M cost):	2 Lakhs per year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Excavated material 39118 m3
	Disposal of the construction waste debris:	Top soil will be used for gardening; Other excavated material will be used for plinth, back-filling and sub-base of internal road. Balance, if any, will be disposed to our another site for back filling
Waste generation in the operation Phase:	Dry waste:	319 Kg/day
	Wet waste:	262 Kg/day
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	10 Kg/day
	Others if any:	E-waste 6.3 kg/day



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Mode of Disposal of waste:	Dry waste:	Will be collected by PMC/ authorized vendor
	Wet waste:	Wet waste will be treated in Organic Waste Converter and used as manure.
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Will be used as manure
	Others if any:	E-waste will be handed over to certified E- waste disposing agency
Area requirement:	Location(s):	Near South side of the site
	Area for the storage of waste & other material:	45.15 sqm
	Area for machinery:	included in 45.15 sqm
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	7.50 Lakhs
	O & M cost:	0.50 Lakhs per year

37. Effluent Characteristics

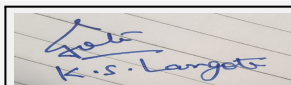
Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable		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

38. Hazardous Waste Details

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

39. Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	DG Set : 65 KVA (Construction)	HSD, 15 LPH (Max)	1	1 mtr above DG set	65 mm	Approx. 75 Degrees Celsius at the outlet of stack.
2	DG Set : 750 KVA	HSD, 180 LPH (Max)	1	3 mtrs above DG set	300 mm	Approx. 75 Degrees Celsius at the outlet of stack.
3	DG Set : 750 KVA	HSD, 180 LPH (Max)	1	3 mtrs above DG set	300 mm	Approx. 75 Degrees Celsius at the outlet of stack.



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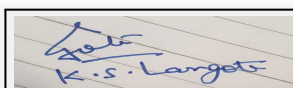
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40.Details of Fuel to be used				
Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	Not applicable	252.8 Lit/hr	252.8 Lit/hr
41.Source of Fuel		Authorized Dealer		
42.Mode of Transportation of fuel to site		Via Road		
43.Green Belt Development				
		Total RG area :	502.3 Sqm	
		No of trees to be cut :	--	
		Number of trees to be planted :	65 Nos.	
		List of proposed native trees :	Provided below	
		Timeline for completion of plantation :	Will be completed at the time of operation 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	Semecarpus anacardium	Biba	5	Tree with medicinal value
2	Plumeria alba	White Chafa/Pagoda tree	5	Flower bearing tree
3	Phyllanthus officinalis	Awala	5	Tree with medicinal value
4	Pongamia pinnata	Karanj	5	Shady tree with medicinal value
5	Ficus benjamena	Ficus tree/Weeping fig	5	Flowering tree
6	Magnolia champaca	Sonchafa/Champak	10	Flower bearing tree
7	Mimusops Elengii	Bakul	10	Flower bearing tree
8	Saraca asoca	Seeta Ashok	10	Evergreen tree
9	Mangifera indica	Mango/Amba	5	Evergreen fruit bearing tree
10	Syzygium cumini	Jamun/Black Plum	5	Fruit bearing tree
11	Bougainvillea spectabilis	Kagadi phool	5	Flower bearing tree
45.Total quantity of plants on ground				
46.Number and list of shrubs and bushes species to be planted in the podium RG:				
Serial Number	Name	C/C Distance	Area m2	
1	Not Applicable	Not Applicable	Not Applicable	
47.Energy				



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Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	45 KW
	DG set as Power back-up during construction phase	65 KVA
	During Operation phase (Connected load):	2299 KW
	During Operation phase (Demand load):	1419 KW
	Transformer:	2 X 630 KVA +1x315KVA
	DG set as Power back-up during operation phase:	2 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:

Energy saving by non-conventional method: Solar will be provided for common area lighting

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Energy Saving using T5 fixture with Electronic Ballast Against T8, FTL fixture with Electromagnetic ballast for all buildings	4
2	Saving in losses using High Efficient Transformer Against Conventional Transformer	8.58
3	Energy Saving using Automatic Timer operation	25
4	Energy Saving using Solar Street Lights in place of Normal Lights	85.91

50. Details of pollution control Systems

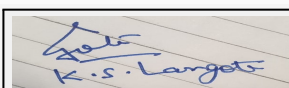
Source	Existing pollution control system	Proposed to be installed
STP	Not applicable	1 No. of STP
OWC	Not applicable	1 No. OWC
DG Set	Not applicable	1 no. in construction phase and 2 nos. in Operation phase

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	20 Lakhs
	O & M cost:	1 Lakhs / per year

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	Water	Tanker Water for Construction	5.4
2	Water	Monitoring	0.6
3	Air	Dust suppression	1.2
4	Air & Noise	Monitoring	0.48
5	Land	Site Sanitation	5.94
6	Biological	Gardening	0.25
7	Socio-Economic	Pest Control	1.8
8	Socio-Economic	First-aid	0.24
9	Socio-Economic	Health Check-up	1
10	Socio-Economic	Crèche	1.8
11	Socio-Economic	Personal Protective Equipment	1.3

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	Rainwater Harvesting	4.5	0.2
2	Water	STP	16	2
3	Solid Waste	OWC	7.5	0.5
4	Landscape	Gardening	2.5	1.8
5	Energy	Energy saving and Solar	20	1
6	EMP	Monitoring	--	18.36
7	Air	Basement Ventilation	50	1
8	Air	Basement dewatering	1	0.2

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

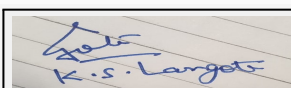
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

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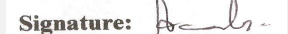


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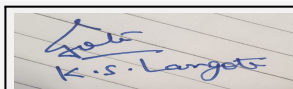
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Parking details:	Number and area of basement:	3 basements, total area 9948 Sqm
	Number and area of podia:	Not Applicable
	Total Parking area:	13250 Sqm (basement parking= 9948 Sqm +First & Second floor= 3302 Sqm)
	Area per car:	32
	Area per car:	32
	Number of 2-Wheelers as approved by competent authority:	803
	Number of 4-Wheelers as approved by competent authority:	316
	Public Transport:	Kharadi bus stop at 2 Km
	Width of all Internal roads (m):	9 m
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	8 a (B2)
	Court cases pending if any	No
	Other Relevant Informations	No
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-
SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS		
Summorisred in brief information of Project as below.		
Brief information of the project by SEAC		

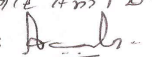


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Environment Clearance for Environmental Clearance for New Commercial Development with Convenient Shopping at S. No 64 , Plot no 3, Kharadi,Tal-Haveli,Pune.by M/s. Imperium Alpha.

PP submitted their application for prior Environmental clearance for total plot area of 5023 Sq. Mtrs, BUA of 28646 Sq. Mtrs and FSI area of 14333.48 Sq. Mtrs. PP proposes to construct 1 no. 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

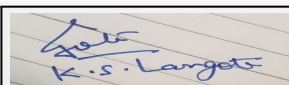
PP requested for time to submit above information; after deliberations committee asked PP to comply with the above observations and submit information to the committee for further discussion and consideration of SEAC.

Specific Conditions by SEAC:

- 1) PP to submit cross section through UGT with top of tank, and maintain some distance above the ground level.
- 2) PP to submit parking layout plan for all 3 basement with driveway not less than 5 m and slop 1:10.
- 3) PP to submit revised RG drawing by relocating DG set and other structure.
- 4) PP to submit basement ventilation plan for all 3 basement.
- 5) PP to submit parking statement showing requirement as per DCR and area per car.
- 6) PP to submit debris management plan.
- 7) PP to submit energy saving calculation along with terrace area calculations.
- 8) PP to submit waste management plan details with its transport, collection, storage and disposal for all types of wastes like hazardous waste, non-hazardous waste, solid waste, E- waste, and debris/excess earth
- 9) PP to submit all NOC,s i.e. Drainage, Water supply, CFO,E-waste.
- 10) PP to submit details hydro geological survey report along with RWH details and recharge pit.
- 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

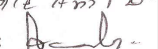
SEAC-III decided to defer the proposal till PP submits the additional information as per above conditions within 30 days



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

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Agenda for 67 th Meeting of SEAC-3 (Day-2)

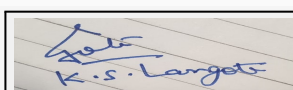
SEAC Meeting number: 67 Meeting Date August 20, 2018

Subject: Environment Clearance for Proposed Residential Development at Plot No. 27/1 Balewadi, Tal. - Mulshi, Pune By M/S Akruti P kumar Joint venture

Is a Violation Case: No

1.Name of Project	Proposed Residential Development at Plot No. 27/1 Balewadi, Tal. - Mulshi, Pune By M/S Akruti P kumar Joint venture
2.Type of institution	Private
3.Name of Project Proponent	Mr.Shailesh Ghunsulal Hingrah
4.Name of Consultant	Ar. Anagha Paranjape Purohit
5.Type of project	Residential Development 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	Plot No. 27/1 Balewadi, Tal. - Mulshi, Pune By M/S Akruti kumar Joint venture
9.Taluka	Mulshi
10.Village	Balewadi
Correspondence Name:	Mr.Shailesh Ghunsulal Hingrah
Room Number:	404
Floor:	404 Niranjan
Building Name:	Niranjan
Road/Street Name:	99 Marine Drive
Locality:	Marine Drive
City:	mumbai
11.Area of the project	PMC
12.IOD/IOA/Concession/Plan Approval Number	Under process
	IOD/IOA/Concession/Plan Approval Number: Under process
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	No Construction work has been initiated on site.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	10,100.00 m2
16.Deductions	Road widening :493.50 m2 Reservation: 893.72 m2 Balance plot area: 8712.78 m2 Amenity space: 413.20 m2
17.Net Plot area	8249.58 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 20616.28 m2
	b) Non FSI area (sq. m.): 21676.66 m2
	c) Total BUA area (sq. m.): 42292
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)	1194 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	14 % of net plot area
21.Estimated cost of the project	996400000

22.Number of buildings & its configuration



K.S.Langote (Secretary SEAC-III)

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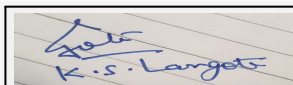
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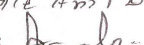
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)	
1	Building A	LP+2P+19	64.15	
2	Building B	LP+2P+18	60.00	
3	Building C	LP+2P+19	59.85	
23.Number of tenants and shops	No. of tenements : 435 flats No. of shops & offices: 2 offices			
24.Number of expected residents / users	Residential Tenants: 2175 Commercial Tenants: 10			
25.Tenant density per hectare	789 Tenements/hectare 3947 Tenants/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))	Width of the road is 12 m wide. Nearest fire station: Hinjewadi phase one fire station			
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m wide turning radius.			
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)

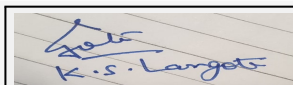
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Dry season:	Source of water	PMC							
	Fresh water (CMD):	196 m3/day							
	Recycled water - Flushing (CMD):	98m3/day							
	Recycled water - Gardening (CMD):	7 m3/day							
	Swimming pool make up (Cum):	Not applicable							
	Total Water Requirement (CMD) :	301 m3							
	Fire fighting - Underground water tank(CMD):	200 m3/day							
	Fire fighting - Overhead water tank(CMD):	90 m3/day							
	Excess treated water	106 m3/day							
Wet season:	Source of water	PMC							
	Fresh water (CMD):	196 m3/day							
	Recycled water - Flushing (CMD):	98m3/day							
	Recycled water - Gardening (CMD):	0 m3/day							
	Swimming pool make up (Cum):	Not applicable							
	Total Water Requirement (CMD) :	293 m3							
	Fire fighting - Underground water tank(CMD):	200 m3/day							
	Fire fighting - Overhead water tank(CMD):	90 m3/day							
	Excess treated water	113 m3/day							
Details of Swimming pool (If any)	Not applicable								
33.Details of Total water consumed									
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable



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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	Pre monsoon : 10.40m bgl Post monsoon : 5.40 m bgl
	Size and no of RWH tank(s) and Quantity:	Not applicable
	Location of the RWH tank(s):	Not applicable
	Quantity of recharge pits:	No. of recharge pits with bore well : 4
	Size of recharge pits :	1.5m x1.5m x 1.5m
	Budgetary allocation (Capital cost) :	Rs.1,47,000/-
	Budgetary allocation (O & M cost) :	Rs. 20,000/-
	Details of UGT tanks if any :	UGWT Tank Capacity : 495 m3 Fire Fighting : 200 m3

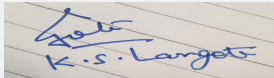
35.Storm water drainage	Natural water drainage pattern:	The storm water drainage will be designed according to contours. The storm water collected through the storm water drains of adequate capacity will be led to recharge pits.
	Quantity of storm water:	Quantity of storm water: 1356.10 m3/year
	Size of SWD:	Size of SWD:450 mm

Sewage and Waste water	Sewage generation in KLD:	235 m3/day
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	1 STP of 250 m3/day
	Location & area of the STP:	On ground , area ~ 143 sqm
	Budgetary allocation (Capital cost):	Rs.61,70,000/-
	Budgetary allocation (O & M cost):	Rs.10,11,412/-

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	Waste generation:	Waste generation in the construction Phase due to labour camp: - Dry waste (Kg/day): 8 kg/day -Wet waste (Kg/day): 12 kg/day -Total waste generated:20kg/day
	Disposal of the construction waste debris:	The Construction waste generated during construction shall be segregated, reused on site and surplus shall be led to scrap dealers for recycling.

Waste generation in the operation Phase:	Dry waste:	436 kg/day
	Wet waste:	654 kg/day
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	24.60 kg/day
	Others if any:	E - waste (Kg/month) : 3 kg/day



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Mode of Disposal of waste:	Dry waste:	Will be handed over to SWaCH
	Wet waste:	will be treated in Organic Waste Converter (OWC).
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Dried sludge from STP will be used as manure
	Others if any:	E - waste: Will be handed over to authorized recyclers
Area requirement:	Location(s):	On ground
	Area for the storage of waste & other material:	35 m ²
	Area for machinery:	25 m ²
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs.18,75,000/-
	O & M cost:	5,07,384/-

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

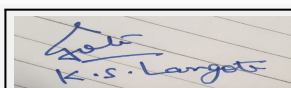
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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 :	871.28 m2
	No of trees to be cut :	0
	Number of trees to be planted :	110
	List of proposed native trees :	Please refer below list
	Timeline for completion of plantation :	Till operation phase

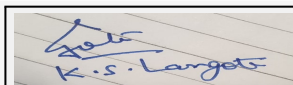
44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadiracta indica	Neem	05	A medium to large size evergreen tree which can stand in drought conditions. It has air purifying quality.
2	Syzygium cumini	Jambhul	08	A large size evergreen tree with dense foliage that provides shade. Attracts a variety of birds.
3	Millingtonia hortensis	Indian cork tree	06	A columnar, large evergreen tree, grows well in both dry and moist regions
4	Pongamia pinnata	Karanji	10	A large ayurvedic tree. It is well suited to intense heat and sunlight.
5	Saraca indica	Sita ashok	07	A large ayurvedic tree. It is well suited to intense heat and sunlight.
6	Lagerstromia flos-regineae	Tamhan	10	State flower tree of Maharashtra Medium sized tree, beautiful purple flowers, grows well in both dry and humid climate
7	Cassia fistula	Bahava	10	Small deciduous tree. Excellent flowering tree for arid regions.
8	Albizia lebbeck	Shirish	08	Evergreen tree which can resist in drought conditions.
9	Terminalia catappa	Badam	10	Large deciduous, fruit bearing Grown for the deep shade its large leaves provide
10	Plumeria alba	Champa	09	Ornamental flowering tree
11	Michelia champaca	Sonchafa	14	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
12	Mangifera indica	Mango	05	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
13	Ficus benjamina	Weeping Fig	08	Evergreen tree which can resist in drought conditions.

45.Total quantity of plants on ground

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

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

Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	100 kW
	DG set as Power back-up during construction phase	1 DG set of 140 kVA
	During Operation phase (Connected load):	9089 KW
	During Operation phase (Demand load):	2553 kW
	Transformer:	1250 KVA X 2NO
	DG set as Power back-up during operation phase:	200 KVA X 1NO
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	Not Applicable

48. Energy saving by non-conventional method:

- Use of T-5 Fittings (28 w) and Electronic ballasts instead of Fluorescent Light fittings (40w) and copper ballasts.
- User to be recommended to use BEE FIVE star certified appliance and Airconditioners
- Use of LED fittings (18 w) and Electronic ballasts instead of Fluorescent Light fittings (40w) and copper ballasts
- Use of T-5 Fittings (28 w) and Electronic ballasts instead of Fluorescent Light fittings (40w) and copper ballasts
- Use of BEE Certified Motors
- % of saving using above mentioned techniques: 14.8 %
- Using Solar PV's in common area (26 KW i.e 1% of demand load)
- % of saving using solar systems 49275 kwh/annum

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	solar systems	49275 kwh/annum

50. Details of pollution control Systems

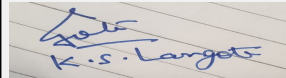
Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs.27,00,000/-
	O & M cost:	Rs. 1,00,000/-

51. Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
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1	Air Environment	Erosion control - dust suppression measures, barricading and top soil preservation	1113250/-
2	Land	Labour Camp toilets & sanitation	4,80,000/-
3	Health & Safety	Labour Safety Equipments and training	4,00,000/-
4	Environment	Environmental Monitoring	1,85,600/-
5	Health & Safety	Disinfection and Health Check-ups	51,000/-
6	Environment Management	Environmental Monitoring cell	1,70,000

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage treatment plant	1 STP	61,70,000/-	10,11,412/-
2	Solid waste management	1 OWC	18,75,000/-	5,07,384/-
3	Landscaping	development & maintenance of green area	3,05,120/-	24,409/-
4	Rain water harvesting	4 recharge pitS	1,47,000/-	20,000/-
5	Environmental Monitoring	air,water,noise,soil,waste water,OWC manure	-	1,82,500/-
6	Solar PV	Solar Hot Water System	27,00,000/-	1,00,000/-

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

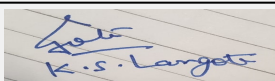
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

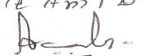
53.Traffic Management

Nos. of the junction to the main road & design of confluence:	Proposed site is located at Balewadi. The road network within the site has been designed to cater to the traffic loads of the project. Internal driveways are 6 m wide. Existing access road is 60 m wide mumbai banglore highway. 12 m wide service road is proposed.
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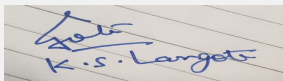

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Parking details:	Number and area of basement:	Not Applicable
	Number and area of podia:	Not Applicable
	Total Parking area:	6766.70 sqm
	Area per car:	12.5
	Area per car:	12.5
	Number of 2-Wheelers as approved by competent authority:	945
	Number of 4-Wheelers as approved by competent authority:	352
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	6 mts
	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	Building and construction
	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 Development at Plot No. 27/1 Balewadi, Tal. - Mulshi, Pune By M/S Akruti P kumar Joint venture.

PP submitted their application for prior Environmental clearance for total plot area of 10100 Sq. Mtrs, BUA of 42292 Sq. Mtrs and FSI area of 20616.28 Sq. Mtrs. PP proposes to construct 3 no. residential building.

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

DECISION OF SEAC

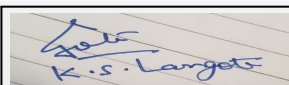
PP requested for time to submit above information; after deliberations committee asked PP to comply with the above observations and submit information to the committee for further discussion and consideration of SEAC.

Specific Conditions by SEAC:

- 1) PP to submit details of CER activities in consultation with the affected people in the project area as per MoEF& CC circular dated 1/05/2018.
- 2) PP to submit details of sewer line connectivity up to final disposal point.
- 3) PP to submit an NOC form adjoin owner to lay sewer line.
- 4) PP to submit all NOC,s i.e. Drainage, Water supply, CFO,E-waste.
- 5) PP to submit tree cutting NOC from competent authority.
- 6) PP to submit debris management plan.
- 7) PP to submit parking statement showing requirement as per DCR and area per car.
- 8) PP to submit phase wise programme considering wind direction at site.
- 9) PP to submit cross section at 4-5 places in between the internal drive way and podium line.
- 10) PP stated that the plot is partly affected by reservation of market, PP to submit details to right of way.

FINAL RECOMMENDATION

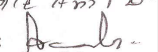
SEAC-III decided to defer the proposal till PP submits the additional information as per above conditions within 30 days



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Agenda for 67 th Meeting of SEAC-3 (Day-2)

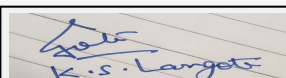
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Subject: Environment Clearance for Proposed Residential & Commercial project at S. No. 93/7 , Kiwale, Tal. Haveli, Pune by M/s. Diamond Nexus Properties

Is a Violation Case: No

1.Name of Project	Proposed Residential & Commercial project at S. No. 93/7 , Kiwale, Tal. Haveli, Pune by M/s. Diamond Nexus Properties
2.Type of institution	Private
3.Name of Project Proponent	Mr. Hardik Patel & Mr. Satishkumar Patel
4.Name of Consultant	J M EnviroNet Pvt Ltd , Ms. Sayali Jagtap, EIA Cordinator , Ph no. 9960159156
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	New
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	S. No. 93/7 , Kiwale, Tal. Haveli, Pune
9.Taluka	Haveli
10.Village	Kiwale
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	Part Sanction received.
	IOD/IOA/Concession/Plan Approval Number: BP/ Layout/Kiwale/76/2017 dated 07.12.2017
	Approved Built-up Area: 11219.84
13.Note on the initiated work (If applicable)	Total constructed area on site : 600 sq. m
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	11300
16.Deductions	1657.11
17.Net Plot area	9642.89
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 21805.70 sq. m
	b) Non FSI area (sq. m.): 23898.46 sq. m
	c) Total BUA area (sq. m.): 45704.16
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)	2173.04 sq. m
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	22.53 %
21.Estimated cost of the project	590000000

22.Number of buildings & its configuration



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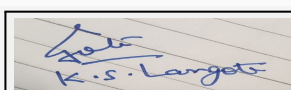
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building A	Ground + 11 floors	36 m
2	Building B	Parking + 11 floors	33 m
3	Building C	2 Parking + 12 floors	36 m
4	Building D	2 Parking + 12 floors	36 m
5	Building E	2 Parking + 12 floors	36 m
6	MHADA Building F	Parking + 7 floors	21 m
7	Club House	Ground + 1 floor	7.15 m

23.Number of tenants and shops	Residential : 484 Commercial
24.Number of expected residents / users	Residential : 2420 nos. Commercial floating population: 90 no's
25.Tenant density per hectare	428 per Ha.
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	Width of right of way 18 m from nearest fire station at 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

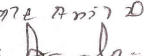
32.Total Water Requirement



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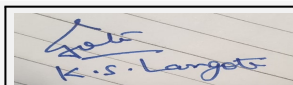
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Dry season:	Source of water	PCMC								
	Fresh water (CMD):	219.60								
	Recycled water - Flushing (CMD):	111.15								
	Recycled water - Gardening (CMD):	6.43								
	Swimming pool make up (Cum):	8.60								
	Total Water Requirement (CMD) :	345.78								
	Fire fighting - Underground water tank(CMD):	425								
	Fire fighting - Overhead water tank(CMD):	20								
	Excess treated water	173.81								
Wet season:	Source of water	PCMC								
	Fresh water (CMD):	219.60								
	Recycled water - Flushing (CMD):	111.15								
	Recycled water - Gardening (CMD):	0								
	Swimming pool make up (Cum):	8.60								
	Total Water Requirement (CMD) :	339.39								
	Fire fighting - Underground water tank(CMD):	425								
	Fire fighting - Overhead water tank(CMD):	20								
	Excess treated water	180.24								
Details of Swimming pool (If any)		<ul style="list-style-type: none"> • Water requirement for make up in KLD: 8.60 KLD • Capital Cost: Rs. 8,00,000 /- • O & M cost: - Rs. 1,20,000 /- 								
33.Details of Total water consumed										
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)			
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total	
Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total	
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	



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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	4-10 m BGL
	Size and no of RWH tank(s) and Quantity:	Not applicable
	Location of the RWH tank(s):	Not applicable
	Quantity of recharge pits:	04 no's
	Size of recharge pits :	1.5 x 1.5 x 1.5 m with 178 mm dia depth 60 m
	Budgetary allocation (Capital cost) :	Rs. 1,87,000 /-
	Budgetary allocation (O & M cost) :	Rs. 20,000 /-
	Details of UGT tanks if any :	1. Domestic UG tank Capacity (cum) : Residential + Commercial : 307.14 KLD MHADA : 236.25 KLD 2. Flushing tank Capacity(cum) Residential + Commercial : 160 KLD MHADA : 118.13 KLD 3. Fire UG tank Capacity (cum) : 425 kLD
35.Storm water drainage	Natural water drainage pattern:	East to west
	Quantity of storm water:	9.097 m3 per min.
	Size of SWD:	450 mm
Sewage and Waste water	Sewage generation in KLD:	297.68
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	STP 1 (Residential + Commercial) : 280 KLD , STP 2 (MHADA) : 25 KLD
	Location & area of the STP:	STP 1 : 120 sq. M STP 2 : 30 sq . m
	Budgetary allocation (Capital cost):	Rs. 1,07,30,000 /-
	Budgetary allocation (O & M cost):	Rs. 20,61,700 /-
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 within site premises.
Waste generation in the operation Phase:	Dry waste:	497.50 kg/day
	Wet waste:	735 kg.day
	Hazardous waste:	Negligible
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	14.88 kg/day
	Others if any:	NA
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Mode of Disposal of waste:	Dry waste:	To SWACH
	Wet waste:	Treatment through OWC
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be used as a manure after treatment
	Others if any:	NA
Area requirement:	Location(s):	On layout
	Area for the storage of waste & other material:	50 sq. m
	Area for machinery:	35 sq. m
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 22,00,000 /-
	O & M cost:	Rs. 5,00,000 /-

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

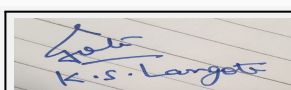
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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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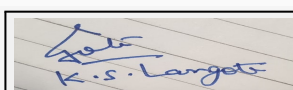
43.Green Belt Development	Total RG area :	1071.93 sq. m
	No of trees to be cut :	0
	Number of trees to be planted :	0
	List of proposed native trees :	122
	Timeline for completion of plantation :	Up to project completion

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	Neolamarckia cadamba	Kadamb	8	"Large size , shady, ball shaped flowering tree. "
2	Cassia fistula	Bahava	8	"Medium size deciduous tree, Draught tolerant,Beautiful yellow flower,butterfly host plant. "
3	Bahunia purpurea	Kanchan	8	"Medium size pink flowering tree. "
4	Lagerstromia indica	Taman	10	"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	Mahogany	8	Medium size semi evergreen tree.
7	Azadirachta indica	Neem	12	"Semi - evergreen tree with medicinal value. "
8	Butea monosperma	palash	8	"Semi - evergreen tree with medicinal value. "
9	Plumeria Acutifolia	Temple tree	11	"Evergreen medium size white flowering tree, medicinal value. "
10	Plumeria Rubra	Franjipani	6	"Evergreen medium size white flowering tree, medicinal value. "
11	Aegle marmelos	Bel	6	Spiritual and Medicinal value.
12	Emblica Officinalis	Awala	3	"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	Not applicable	Not applicable	Not applicable

47. Energy

Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	30
	DG set as Power back-up during construction phase	50 KVA
	During Operation phase (Connected load):	1699.23 KW
	During Operation phase (Demand load):	1064.19 KW
	Transformer:	2 x 630 kVA
	DG set as Power back-up during operation phase:	140 KVA , 20 KVA & 30 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	No

48. Energy saving by non-conventional method:

- As per MSEDCL requirements, we will use high efficiency Transformer i.e. Level II as per BIS 1180. Losses for Transformer at 50% loading & 100% loading will be as per BIS standards & ECBC norms.
- We are planning to keep power factor of the common load installation near unity.
- Following are the Energy efficient fixtures should be used in our project for energy conservation :-
 - Energy efficient LED fixtures are proposed for parking area of all buildings.
 - LED lighting fixtures are proposed for general lighting for common passages, staircase & terrace area.
 - The estimated saving in common area lighting consumption is up to 7.17% due to adopting above measures.
- Solar Heating System is being proposed for Hot water to be used in toilet of each apartment.
- V3F drive motors should be used for lifts, which saves 30% energy consumption.

49. Detail calculations & % of saving:

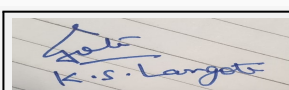
Serial Number	Energy Conservation Measures	Saving %
1	Energy efficient LED fixtures for parking area & common area + Solar Hot water system + Solar PV panels	7.17 %

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. 46,30,000 /-
	O & M cost:	Rs. 2,31,499.5 /-

51. Environmental Management plan Budgetary Allocation



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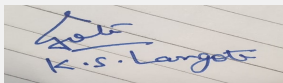
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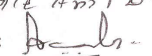
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a) Construction phase (with Break-up):							
Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)				
1	Air	Erosion control - dust suppression measures and barricading	Rs. 1,06,000 /-				
2	Land	Site Sanitation	Rs. 26,500 /-				
3	Health & safety	Site Safety	Rs. 88,000 /-				
4	Environment management	Environmental Monitoring	Rs. 1,20,000 /-				
5	Health & safety	Disinfection and Health Check-ups	Rs. 45,000 /-				
b) Operation Phase (with Break-up):							
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)			
1	Sewage Treatment Plant	2 STP's	Rs. 1,07,30,000 /-	Rs. 20,61,700 /-			
2	Rain Water Harvesting	04 no's of pits	Rs. 1,87,000 /-	Rs. 20,000 /-			
3	Solid Waste Management	OWC	Rs. 22,00,000 /-	Rs. 5,00,000 /-			
4	Green Belt Development	122 no's of trees	Rs. 13,39,913 /-	Rs. 1,79,400 /-			
5	Energy	DG + Energy saving measures	Rs. 46,30,000 /-	Rs. 2,31,499.5 /-			
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 direct access from the existing 18 m road				

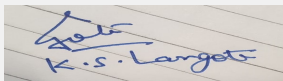

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Parking details:	Number and area of basement:	Not applicable
	Number and area of podia:	1 Podium for parking
	Total Parking area:	11923.2 sq. m
	Area per car:	30 sq. m
	Area per car:	30 sq. m
	Number of 2-Wheelers as approved by competent authority:	Scooters : 998 , Cycles : 978
	Number of 4-Wheelers as approved by competent authority:	252
	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 project at S. No. 93/7 , Kiwale, Tal. Haveli,Pune by M/s. Diamond Nexus Properties.

PP submitted their application for prior Environmental clearance for total plot area of 11300 Sq. Mtrs, BUA of 45704.16 Sq. Mtrs and FSI area of 21805.70 Sq. Mtrs. PP proposes to construct 6 no. residential building and 1 club house.

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

DECISION OF SEAC

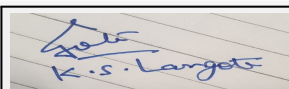
During discussion committee observed that the Total constructed area on site is 600 sq. m However the plot potential is more than 20000 sq mtr. PP to clarify regarding sanctions/plot potential.

Committee decided to Refer the proposal to SEIAA.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

Kindly find SEAC decision above.



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Agenda for 67 th Meeting of SEAC-3 (Day-2)

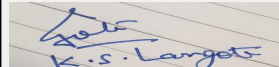
SEAC Meeting number: 67 Meeting Date August 20, 2018

Subject: Environment Clearance for Expansion in Proposed Residential Project "PITTIE KOURTYARD" by Raja Bahadur International Ltd at S. No 30/1, Kharadi, Dist: Pune.

Is a Violation Case: No

1.Name of Project	Expansion in Proposed Residential Project "PITTIE KOURTYARD" by Raja Bahadur International Ltd at S. No 30/1, Kharadi, Dist: Pune.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Shridhar Pittie
4.Name of Consultant	J M EnviroNet Pvt Ltd, Ms. Sayali Jagtap, EIA Cordinator, Ph no. 9960159156
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes. EC letter no. SEAC-III/2015/CR-67/TC-3 dated 9th December, 2016
8.Location of the project	S. No 30/1, Kharadi, Dist: Pune.
9.Taluka	Haveli
10.Village	Kharadi
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	Pune Municipal Corporation (PMC)
12.IOD/IOA/Concession/Plan Approval Number	Received
	IOD/IOA/Concession/Plan Approval Number: CC/3194/17 dated 01.03.2018
	Approved Built-up Area: 43163.66
13.Note on the initiated work (If applicable)	Total constructed area on site as per EC : 37079.55 Sq.m
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	42900
16.Deductions	29823.82
17.Net Plot area	13076.18
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 19765.92 sq. m
	b) Non FSI area (sq. m.): 23397.14 sq. m
	c) Total BUA area (sq. m.): 43163.66
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)	5366.57
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	41.04 %
21.Estimated cost of the project	240000000

22.Number of buildings & its configuration



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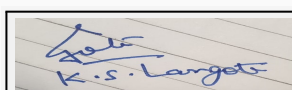
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building A	LP + UP+ 18 floors	64.35 m
2	Building B	LP + UP+ 17 floors	61.05 m
3	Building C	LP + UP+ 18 floors	64.35 m
4	Building D	LP + UP+ 19 floors	64.38 m
5	Gymnasium on podium	-	-

23.Number of tenants and shops	Residential : 164
24.Number of expected residents / users	Residential : 820 nos.
25.Tenant density per hectare	126.15 /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))	Width of Right of Way 18 M from Nearest Fire Station at Agarkar Nagar, Camp, Pune. Distance : 10.3 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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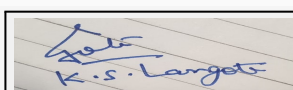
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Dry season:	Source of water	PMC								
	Fresh water (CMD):	75.47								
	Recycled water - Flushing (CMD):	40.23								
	Recycled water - Gardening (CMD):	25.75								
	Swimming pool make up (Cum):	8.5								
	Total Water Requirement (CMD) :	149.95								
	Fire fighting - Underground water tank(CMD):	200								
	Fire fighting - Overhead water tank(CMD):	25								
	Excess treated water	39.02								
Wet season:	Source of water	PMC								
	Fresh water (CMD):	75.47								
	Recycled water - Flushing (CMD):	40.23								
	Recycled water - Gardening (CMD):	25.75								
	Swimming pool make up (Cum):	8.5								
	Total Water Requirement (CMD) :	124.2								
	Fire fighting - Underground water tank(CMD):	200								
	Fire fighting - Overhead water tank(CMD):	25								
	Excess treated water	64.77								
Details of Swimming pool (If any)	<ul style="list-style-type: none"> • Dimension of Swimming Pool: 13 m x 10 m x 1.20 m • Total water Requirement in KLD: 147.72 KLD • Water requirement for make up in KLD: 8.5 KLD • Capital Cost: Rs. 13,00,000 /- • O & M cost: - Rs. 50,000 /- 									
33.Details of Total water consumed										
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)			
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total	
Water Requirement										
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	



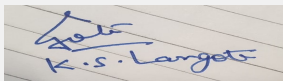
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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	7.5 m BGL
	Size and no of RWH tank(s) and Quantity:	Not applicable
	Location of the RWH tank(s):	Not applicable
	Quantity of recharge pits:	6 nos of RWH pits
	Size of recharge pits :	1 m x 2 m x 2 m
	Budgetary allocation (Capital cost) :	Rs. 1,77,000 /-
	Budgetary allocation (O & M cost) :	Rs. 90,000 /-
	Details of UGT tanks if any :	Domestic UG tank Capacity (cum) : 101 KLD Flushing tank Capacity(cum) : 80 KLD Fire UG tank Capacity (cum) : 200 KLD
35.Storm water drainage	Natural water drainage pattern:	East to west
	Quantity of storm water:	13.35 m ³ per min.
	Size of SWD:	600 mm
Sewage and Waste water	Sewage generation in KLD:	104.13 KLD
	STP technology:	SBT-Soil Biotechnology
	Capacity of STP (CMD):	100 KLD(Design is compatible to 105 KLD)
	Location & area of the STP:	Area : 140 sq. m
	Budgetary allocation (Capital cost):	Rs. 50,00,000 /-
	Budgetary allocation (O & M cost):	Rs. 3,00,000 /-
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	20 kg/day
	Disposal of the construction waste debris:	Will be used within site premises.
Waste generation in the operation Phase:	Dry waste:	164 kg/day
	Wet waste:	246 kg/day
	Hazardous waste:	Negligible
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	0.08 kg/day
	Others if any:	Not Applicable



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Mode of Disposal of waste:	Dry waste:	To SWACH
	Wet waste:	Treatment through OWC
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Will be used as a manure after treatment
	Others if any:	Not Applicable
Area requirement:	Location(s):	Shown on layout
	Area for the storage of waste & other material:	44.5 sq. m
	Area for machinery:	11.5 sq. m
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 13,50,000 /-
	O & M cost:	Rs. 3,30,294 /-

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

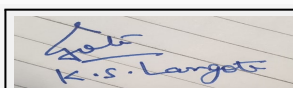
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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 :	Total RG area : 6350 sq. m, Landscape on ground : 3500 sq. m , Landscape on podium : 2850 sq. m
	No of trees to be cut :	0
	Number of trees to be planted :	0
	List of proposed native trees :	140 no's
	Timeline for completion of plantation :	Up to project completion

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

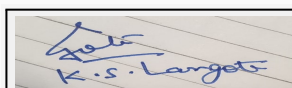
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Acrus sapota	Chikku	15	Medium size deciduous tree. Beautiful yellow flower, butterfly host plant
2	Anthocephallus Cadamba	Kadamb	19	Large tree, good for roadside plantation.
3	Azadirachta indica	Neem	17	Shady tree, good for roadside plantation
4	Cassia fistula	Bahawa	16	Shady tree, small white fragrant flowers.
5	Saraka ashoka	Sita Ashoka	19	Shady, large tree, ball shaped flowers
6	Mesua Ferrea	Nagkeshar	15	Shady tree with red- yellow flowers
7	Lagerstromia Flos-Regineae	Tamhan	21	Large tree, good for roadside plantation.
8	Michelia Champaca	Sonchafa	18	Fast growing tree with Beautiful yellow 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	Thevetia Nerifolia	2.0 m	-
2	Stachytarphasp	0.50 m	-
3	Plumbagozeylanica	1.0 m	-
4	Acoruscalamus	0.60 m	-
5	Korphad	0.75 m	-
6	Ocimum sanctum	0.60 m	-
7	Cymbopogonfloxosus	0.90 m	-
8	Hibiscus	1.20 m	-

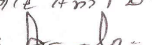
47.Energy



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Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	45 KW
	DG set as Power back-up during construction phase	62.5 KVA
	During Operation phase (Connected load):	1429 KW
	During Operation phase (Demand load):	704 KW
	Transformer:	630 kVA & 315 kVA
	DG set as Power back-up during operation phase:	200 KVA x 3
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	No

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.
- ? T5 lamp & Electronic Ballasts are proposed for parking areas.
- ? LED type of light source is proposed for common Lobby, Lounge, and Staircase area.
- ? Automatic time based controls are proposed for all outside lighting to save power by avoiding manual switching ON & OFF the lights.
- ? Motion Sensors are proposed in Car Parking Areas & Lift lobbies.

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Saving for lighting	96KWH/day - 30.15 %

50. Details of pollution control Systems

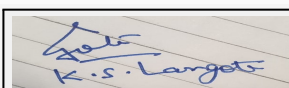
Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 1,50,00,000 /-
	O & M cost:	Rs. 13,70,000 /-

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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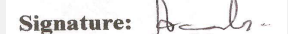


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1	Air	Erosion control - dust suppression measures and barricading	Rs. 1,06,000 /-
2	Land	Site Sanitation	Rs. 26,500 /-
3	Health & Safety	Site Safety	Rs. 88,000 /-
4	Environment Management	Environmental Monitoring	Rs. 1,20,000 /-
5	Health & Safety	Disinfection and Health Check-ups	Rs. 45,000 /-

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	1 STP	Rs. 50,00,000 /-	Rs. 3,00,000 /-
2	Rain Water Harvesting	06 no's of pits	Rs. 1,77,000 /-	Rs. 90,000 /-
3	Solid Waste Management	1 OWC	Rs. 13,50,000 /-	Rs. 3,30,294 /-
4	Green Belt Development	140 no's of trees	Rs. 30,00,000 /-	Rs. 18,00,000 /-
5	Energy	DG + Solar system + Substation	Rs. 1,50,00,000 /-	Rs. 13,70,000 /-
6	Environmental Monitoring	Environment Management		

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

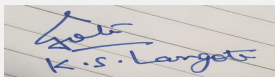
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

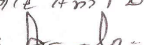
53.Traffic Management

Nos. of the junction to the main road & design of confluence:	The project has direct access from the existing 18 m old Mundhwa road connected to 60 m Pune- Nagar Highway
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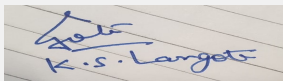

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Parking details:	Number and area of basement:	No
	Number and area of podia:	1 no. Of Podium , Area : 3183.02 sq. m
	Total Parking area:	13493.99 sq. m
	Area per car:	36.50 sq. m
	Area per car:	36.50 sq. m
	Number of 2-Wheelers as approved by competent authority:	Scooters : 340 , Cycles : 300
	Number of 4-Wheelers as approved by competent authority:	311 no's
	Public Transport:	PMC transport
	Width of all Internal roads (m):	6.00
	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 Expansion in Proposed Residential Project "PITTIE KOURTYARD" at S. No 30/1, Kharadi, Dist: Pune.by M/s. Raja Bahadur International Ltd.

PP submitted their application for expansion of Environmental clearance for total plot area of 42900 Sq. Mtrs, BUA of 43163.66 Sq. Mtrs and FSI area of 19765.92 Sq. Mtrs. PP proposes to construct 4 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

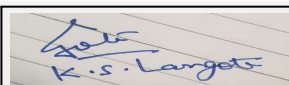
PP requested for time to submit above information; after deliberations committee asked PP to comply with the above observations and submit information to the committee for further discussion and consideration of SEAC.

Specific Conditions by SEAC:

- 1) PP to submit phase wise programme considering wind direction at site.also submit the mitigation plan to avoid inconvenience to existing residence.
- 2) Due to increase in flat additional parking for 4 wheeler and 2 wheeler is required PP to submit a plan showing how extra parking accommodate.
- 3) PP to submit all NOC,s i.e. Drainage, Water supply, CFO,E-waste.
- 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.

FINAL RECOMMENDATION

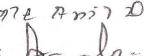
SEAC-III decided to defer the proposal till PP submits the additional information as per above conditions within 30 days



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

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