

Agenda for 65 th (A) meeting of SEAC-3.

SEAC Meeting number: 65 Meeting Date June 5, 2018

Subject: Environment Clearance for construction project by M/s Garve Developments

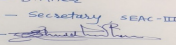
Is a Violation Case: No

1.Name of Project	Golden Treasure
2.Type of institution	Private
3.Name of Project Proponent	Mr. Vinayak Kishor Garve
4.Name of Consultant	M/s JV Analytical Services
5.Type of project	Residential & Commercial project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in existing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes
8.Location of the project	S.no 19/1/4 to 19/1/8, Kate Wasti Road
9.Taluka	Mulshi
10.Village	Punawale
Correspondence Name:	Mr. Vinayak Kishor Garve
Room Number:	S.no.136/1/A
Floor:	-
Building Name:	-
Road/Street Name:	Mumbai-Bangalore highway
Locality:	Opposite to sayaji hotel, Wakad
City:	Pune
11.Area of the project	Pimpri Chinchwad Municipal Corporation (PCMC)
12.IOD/IOA/Concession/Plan Approval Number	Yes IOD/IOA/Concession/Plan Approval Number: Sanctioned No. B.P./ Punawale/19/2017 Dated : 29/04/2017 Approved Built-up Area: 33963.46
13.Note on the initiated work (If applicable)	Total Constructed Built-up Area : 31112.77 m ² (FSI : 12856.75 m ² + Non-FSI :18256.02 m ²)
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	10080.51 m ²
16.Deductions	2008.85 m ²
17.Net Plot area	8071.66 m ²
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 14688.21 b) Non FSI area (sq. m.): 19275.25 c) Total BUA area (sq. m.): 33963.46
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)	1828.46
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	18.13 % of total plot area (10080.51m ²) , 22.65 % of net plot area (8071.66 m ²)
21.Estimated cost of the project	800000000

22.Number of buildings & its configuration

<p>Name - S.D.Aher Designation - Secretary SEAC-III Sign - </p> <p>S.D.Aher (Secretary SEAC-III)</p>	<p>SEAC Meeting No: 65 Meeting Date: June 5, 2018</p>	<p>Page 1 of 75</p>	<p>Name: K. Anil D. Signature: </p> <p>Shri. Anil Kale (Chairman SEAC-III)</p>
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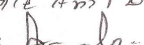
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)	
1	Wing - A	2P+11	38.90	
2	Wing - B	2P+11	38.90	
3	Wing - C	2P+11	38.90	
4	Commercial	G+1	7.65	
23.Number of tenants and shops	No. of Tenements: 254 Nos. Shops : 06 Nos.			
24.Number of expected residents / users	Residential Users: 1270 Nos. Commercial Users: 54 Nos. Total Users: 1324 Nos.			
25.Tenant density per hectare	251.97			
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	9 m			
29.Existing structure (s) if any	Not Applicable			
30.Details of the demolition with disposal (If applicable)	Not Applicable			
31.Production Details				
Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable
32.Total Water Requirement				

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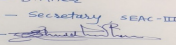
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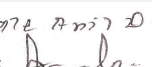

Dry season:	Source of water	Pimpri -Chinchwad Municipal Corporation							
	Fresh water (CMD):	178.88(One Time)							
	Recycled water - Flushing (CMD):	58.50							
	Recycled water - Gardening (CMD):	5.00							
	Swimming pool make up (Cum):	NA							
	Total Water Requirement (CMD) :	115.38							
	Fire fighting - Underground water tank(CMD):	150.00							
	Fire fighting - Overhead water tank(CMD):	70.00							
	Excess treated water	93.00							
Wet season:	Source of water	Pimpri -Chinchwad Municipal Corporation							
	Fresh water (CMD):	173.88(One Time)							
	Recycled water - Flushing (CMD):	58.50							
	Recycled water - Gardening (CMD):	0.00							
	Swimming pool make up (Cum):	NA							
	Total Water Requirement (CMD) :	115.38							
	Fire fighting - Underground water tank(CMD):	150.00							
	Fire fighting - Overhead water tank(CMD):	70.00							
	Excess treated water	98.00							
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
Water Requirement	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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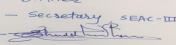
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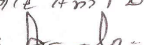
34.Rain Water Harvesting (RWH)	Level of the Ground water table:	Summer Season - 18.67 m to 23.33 m BGL (21.00 m BGL) Rainy Season - 5.00 m to 12.00 m BGL (8.50 m BGL) Winter Season - 11.84 m to 17.67 m BGL(9.76 m BGL)
	Size and no of RWH tank(s) and Quantity:	Not Applicable
	Location of the RWH tank(s):	Not Applicable
	Quantity of recharge pits:	05 Nos.
	Size of recharge pits :	2.00 m x 2.00 m x 2.00 m depth with 0.9 m x 0.6m x 1.0 m. De-siltation pit along with 60 m deep bore well.
	Budgetary allocation (Capital cost) :	Rs. 10.00 Lakh
	Budgetary allocation (O & M cost) :	Rs. 0.30 Lakh/year
	Details of UGT tanks if any :	Domestic UGT Capacity : 172.50 m3 Flushing UGT Capacity : 58.50 m3 Fire UGT Capacity :150.00 m3
35.Storm water drainage	Natural water drainage pattern:	-
	Quantity of storm water:	98.20 m3 /day i.e. 4910.11 m3/year
	Size of SWD:	600 mm
Sewage and Waste water	Sewage generation in KLD:	156.60
	STP technology:	MBBR
	Capacity of STP (CMD):	01No.-175.00 m3/day
	Location & area of the STP:	-
	Budgetary allocation (Capital cost):	Rs. 18.00 Lakh
	Budgetary allocation (O & M cost):	Rs. 9.05 Lakh/year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	35 kg/day
	Disposal of the construction waste debris:	Use for Levelling
Waste generation in the operation Phase:	Dry waste:	262 kg/day
	Wet waste:	387 kg/day
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	14.08 kg/day
	Others if any:	-

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Mode of Disposal of waste:	Dry waste:	Handed Over to 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:	-
Area requirement:	Location(s):	-
	Area for the storage of waste & other material:	50.00 m ²
	Area for machinery:	included in other material area
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 14.75 Lakh
	O & M cost:	Rs. 3.10 Lakh/year

37. Effluent Characteristics

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

38. Hazardous Waste Details

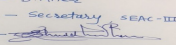
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39. Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	DG Set - 160 KVA	HSD-30 lit/hr.	S - 1	5.22	As per norms	-

40. Details of Fuel to be used

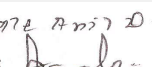

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	-	30 lit/hr.	30 lit/hr.
41. Source of Fuel		Bharat Petroleum Corporation Limited or Hindustan Petroleum		
42. Mode of Transportation of fuel to site		By Roadway		

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43.Green Belt Development	Total RG area :	963.56 m2
	No of trees to be cut :	-
	Number of trees to be planted :	150 Nos. (Proposed to be planted-100 Nos & already planted-50Nos)
	List of proposed native trees :	-
	Timeline for completion of plantation :	-

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

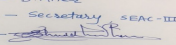
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Aegle marmelos	Beel	08	Medicinal Plant, Religious Plant
2	Albizia lebbeck	Shirish	08	Shady Tree, yellowish green fragrant flowers
3	Annona reticulata	Ramphal	10	Fruit Plant, Medicinal Plant
4	Anthocephallus cadamba	Kadamb	08	Shady, large tree, ball shaped flowers
5	Azadirachta Indica	Kadunimba	08	Semi Evergreen, Medicinal Plant
6	Bauhinia racemosa	Kanchan	08	Flowering Plant, Medicinal Plant
7	Cassia fistula	Bahava	08	Medium deciduous tree, yellow flowers
8	Erythrina variegata	Pangara	08	Medium deciduous tree, Bright scarlet flowers
9	Ficus elastica	Rabar	10	Medicinal Plant
10	Mangifera Indica	Aamba	08	Fruit Plant, Medicinal Plant
11	Mesua ferra	Nagkeshar	08	Flowering Plant, Medicinal Plant
12	Michelia champaka	Pivla Chafa	08	Flowering Plant, Medicinal Plant
13	Nyctanthes arbor-tristis	Parijatak	08	Fast growing tree, Flowering Plant, Medicinal Plant
14	Pongamia pinnata	Karanj	08	Ornamental Plant, Medicinal Plant, Shady tree
15	Prosopis cineraria	Shami	08	Medicinal Plant, Religious Plant
16	Saraca Indica	Sita Ashok	08	Shady tree with red-yellow flowers, Medicinal Plant
17	Syzygium cumini	Jambhul	10	Fruit Plant, Medicinal Plant
18	Tamarindus Indica	Chinch	08	Fruit Plant, Medicinal Plant

45.Total quantity of plants on ground

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

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

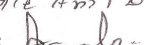
47.Energy

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Power requirement:	Source of power supply :	MSEDCL. (Maharashtra State Of Electricity Distribution Company Ltd.)
	During Construction Phase: (Demand Load)	30 KW
	DG set as Power back-up during construction phase	01 No. - 40 KVA
	During Operation phase (Connected load):	1359 KW
	During Operation phase (Demand load):	694 KW
	Transformer:	01No. x 630 KVA & 01 No. x 315 KVA
	DG set as Power back-up during operation phase:	01No. x 160 KVA
	Fuel used:	HSD - 30 lit/hr.
	Details of high tension line passing through the plot if any:	No

48. Energy saving by non-conventional method:

1. Generally we have proposed high efficiency transformer, motors etc. to reduce losses.
2. Electronic Ballasts and Energy efficient lamp source either troposphere or LED are proposed for common area & general lighting with automatic time based control to save power by switching ON & OFF the lights at appropriate time.
3. The estimated saving in common lighting consumption is up to 15 % due to adopting above measures.

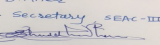
49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Low power high efficiency T5/LED lights for Parking & Lobby Area.	13286 KWH
2	Low power high efficiency CFL/LED lights in Landscape Area	329 KWH
3	Low power high efficiency CFL/LED lights in Solar Street Lights	3154 KWH
4	Energy saving by solar water heater.	444246 KWH

50. Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air	Part tree plantation is completed	Remaining green belt will be completed after construction.
Water	-	STP will be installed & excess treated water used for flushing & gardening
Noise	Noise monitoring has done in once a fortnight	Traffic management plan to be prepared. Acoustically enclosed DG set will be brought & installed.
Solid Waste	-	Wet Waste will be treated in OWC. STP sludge will be Used as Manure after treatment in OWC

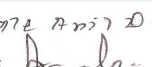

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 35.80 Lakh
	O & M cost:	Rs. 1.02 Lakh/year.

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51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	1.	STP	18.00	9.05
2	2.	RWH	10.00	0.30
3	3.	OWC	14.75	3.10
4	4.	Solar System	35.80	1.02
5	5.	Landscaping	9.50	0.90
6	6.	Safety Equipments	10.00	2.00
7	7.	Post EC Monitoring	-	2.50
8	8.	Dry Waste Management	-	1.52

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

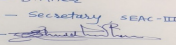
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

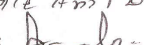
	Nos. of the junction to the main road & design of confluence:	-
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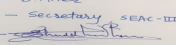
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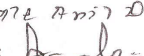
Parking details:	Number and area of basement:	Not Applicable
	Number and area of podia:	1 No. - Area Included in Total Parking Area
	Total Parking area:	6503.80
	Area per car:	49.64
	Area per car:	49.64
	Number of 2-Wheelers as approved by competent authority:	520
	Number of 4-Wheelers as approved by competent authority:	131
	Public Transport:	Not Applicable
	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	Not Applicable
	Category as per schedule of EIA Notification sheet	B2
	Court cases pending if any	Not Applicable
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	10-05-2015
SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS		
Summorisred in brief information of Project as below.		
Brief information of the project by SEAC		

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Environment Clearance for construction project at S.no 19/1/4 to 19/1/8, Kate Wasti Road, Punawale by **M/s Garve Developments.**

PP submitted their application for Expansion of Environmental clearance for total plot area of 10080.51 Sq. Mtrs, BUA of 33963.46 Sq. Mtrs and FSI area of 14688.21 Sq. Mtrs. PP proposes to construct 3 no. residential building(wings) & 1 commercial building.

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

DECISION OF SEAC

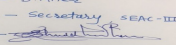
PP requested for time to submit above information; after deliberations committee asked PP to comply with the above observations and submit information to the committee for further discussion and consideration of SEAC.

Specific Conditions by SEAC:

- 1) PP to submit revised consolidated statement considering commercial building details.
- 2) PP to submit all revised NOC,s
- 3) PP to submit architect certificate.
- 4) PP to submit structural stability certificate.
- 5) PP to submit comparative statement with respect to all Environmental parameters.
- 6) It was observed that PP has constructed extra capacity STP as compared to earlier EC he is warned not to repeat such things in future.

FINAL RECOMMENDATION

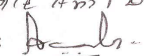
SEAC-III decided to defer the proposal till PP submits the additional information as per above conditions within 30 days

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SEAC Meeting number: 65 Meeting Date June 5, 2018

Subject: Environment Clearance for Residential & Commercial Project

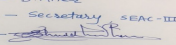
Is a Violation Case: No

1.Name of Project	Park Landmark
2.Type of institution	Private
3.Name of Project Proponent	Mr. D. P. Jain
4.Name of Consultant	ULTRA-TECH (Environmental Consultancy & Laboratory)
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	modernization-amendment
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes, received EC for earlier project from SEAC vide letter No. EAC-2013/CR 561/TC-2 dated 01.12.2014
8.Location of the project	S. No. 665/A Bibwewadi
9.Taluka	Haveli
10.Village	Bibwewadi
11.Area of the project	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	PMC Sanction Plan with commencement certificate.
	IOD/IOA/Concession/Plan Approval Number: Commencement Certificate Received No. CC/3034/15 dated 21/12/2015 (Approved FSI)
	Approved Built-up Area: 28843.70
13.Note on the initiated work (If applicable)	Work initiated as per earlier EC letter received from SEAC letter No. EAC-2013/CR 561/TC-2 dated 01.12.2014
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	20,154.48 m2
16.Deductions	620 m2
17.Net Plot area	17481.03 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 27,574.62 m2
	b) Non FSI area (sq. m.): 22593.32 m2
	c) Total BUA area (sq. m.): 50,167.94 m2
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)	3277.24+6206.45= 9483.69 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	54.25 %
21.Estimated cost of the project	976600000

22.Number of buildings & its configuration

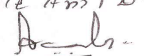
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A-B TYPE	P +P+12	37.62
2	C-D TYPE	P +P+12	37.80
3	EF-TYPE Residential + commercial	P +P+11	36.25
4	Club House	G	6.95

23.Number of tenants and shops | Total tenements - 274
Shops - 22 Nos.

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S.D.Aher (Secretary SEAC-III)

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

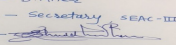
24.Number of expected residents / users	Residential : 1370 Nos. & Commercial: 250 Nos.
25.Tenant density per hectare	137 tenant/hector
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	1) Dhankawadi: 1.0 Km. 2) Bibwewadi: 2.7 Km. Width of the road from the nearest fire station to the proposed building 18.m. road abutting to site.
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	7.5m
29.Existing structure (s) if any	Construction completed as per earlier EC is 14,888.65 m2 Bldg. A-B Type P +P+12
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

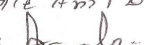
Dry season:	Source of water	Pune Municipal Corporation
	Fresh water (CMD):	129
	Recycled water - Flushing (CMD):	73
	Recycled water - Gardening (CMD):	30
	Swimming pool make up (Cum):	9
	Total Water Requirement (CMD) :	232
	Fire fighting - Underground water tank(CMD):	400m3
	Fire fighting - Overhead water tank(CMD):	20m3
	Excess treated water	73 m3

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Name: Kote Anil D.
Signature: 

Shri. Anil Kale (Chairman SEAC-III)

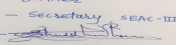
Wet season:	Source of water	Pune Municipal Corporation
	Fresh water (CMD):	129
	Recycled water - Flushing (CMD):	73
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	202
	Fire fighting - Underground water tank(CMD):	400m3
	Fire fighting - Overhead water tank(CMD):	20m3
	Excess treated water	103 m2

Details of Swimming pool (If any)
 Dimension of Swimming Pool: (Mandar Please confirm)
 1) 14.00 x 7 x 1.2
 2) 7.8 x 4.4 x 0.45
 Total Water requirement for make up in KLD : 9

33.Details of Total water consumed

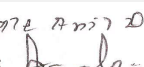
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Water Requirement									
Fresh water requirement	0	129	129	0	6	6	0	123	123
Domestic	0	73	73	0	4	4	0	69	69
Gardening	0	30	30	0	30	30	0	0	0

34.Rain Water Harvesting (RWH)	Level of the Ground water table:	2.3 to 2.7 m, below
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	5 pits with 10 nos. of recharge bore wells.
	Size of recharge pits :	2.60 m x 2.60 m x 1.65 m
	Budgetary allocation (Capital cost) :	Rs.3.76 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 0.26 Lakhs/Annum
	Details of UGT tanks if any :	Domestic UG tank Capacity (CUM): 142 Flushing UG tank Capacity (CUM): 73 Fire UG tank Capacity (CUM): 200 x 2

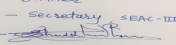
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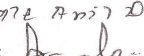
35.Storm water drainage	Natural water drainage pattern:	From South West To North
	Quantity of storm water:	24 m3 / min
	Size of SWD:	900 mm to 1200 mm
Sewage and Waste water	Sewage generation in KLD:	192
	STP technology:	MBBR
	Capacity of STP (CMD):	1 No. - 200 m3
	Location & area of the STP:	near Building A-B Area: 163 m2
	Budgetary allocation (Capital cost):	Rs. 22.60 Lakhs
	Budgetary allocation (O & M cost):	Rs. 20.03 Lakhs/Annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	37 kg/day
	Disposal of the construction waste debris:	Topsoil to be preserved & remaining will be used for back filling
Waste generation in the operation Phase:	Dry waste:	204 kg/day
	Wet waste:	476 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	45 kg/day
	Others if any:	NA
Mode of Disposal of waste:	Dry waste:	will be handed over to SWACH
	Wet waste:	OWC
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	used as manure
	Others if any:	NA
Area requirement:	Location(s):	Near Building A-B
	Area for the storage of waste & other material:	50 m2
	Area for machinery:	50 m2
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. -15.30 Lakhs
	O & M cost:	Rs.-.1.52 Lakhs/Annum
37.Effluent Charecterestics		

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

38.Hazardous Waste Details

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

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	DG set	Diesel, 27.7 lit./hr.	1 No.	3.5 m	0.3 m	250

40.Details of Fuel to be used

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

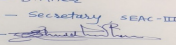
41.Source of Fuel by Authorized Vendor

42.Mode of Transportation of fuel to site By road

43.Green Belt Development	Total RG area :	1953.45 m2
	No of trees to be cut :	50
	Number of trees to be planted :	226 Nos.
	List of proposed native trees :	226
	Timeline for completion of plantation :	AFTER PROJECT COMPLETION

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

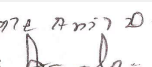

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Manikara zapota	Chikoo	34	Tropical fruit tree & bird attracting tree
2	Michelia champaca	Champa	13	Evergreen timber plant, ornamental,

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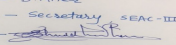
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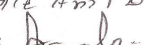
3	Mimusopes elengi	Bakul	34	Evergreen tree, timber yielding and medicinal plant
4	Ficus benjamina	Weeping fig	10	Evergreen & bird attracting tree
5	Cassia fistula	Golden shower	17	Drought tolerant, ornamental & medicinal plant
6	Butea monosperma	Flame tree	23	Used in pesticide & dye preparation,
7	Cassia grandis	Pink shower	10	Drought tolerant, ornamental & medicinal plant
8	Saraca indica	Sita ashok	8	Evergreen medicinal plant
9	Roystonea regia	Royal palm	34	Nitrogen fixer, ornamental plant
10	Syzygium cumini	Jambhul	21	fruit tree & bird attracting
11	Neolamarkia cadamba	Kadamba tree	11	Tropical fruit tree & bird attracting tree
12	Mangifera indica	Mango tree	11	Evergreen & bird attracting tree
13	TOTAL	TOTAL	226	TOTAL
14	*Trees cut as per PMC permission - 375 nos. * Trees proposed to be cut - 50 nos * Existing trees on site - 407 nos * Additional new trees to be planted - 226 nos * Total trees at site 633 nos	Total trees at site	633	633
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)	45 KW
	DG set as Power back-up during construction phase	62.5 KVA x 1 no.
	During Operation phase (Connected load):	2088 KW
	During Operation phase (Demand load):	996 KW
	Transformer:	630 KVA x 2 nos.
	DG set as Power back-up during operation phase:	Diesel
	Fuel used:	NA
	Details of high tension line passing through the plot if any:	NA

48. Energy saving by non-conventional method:

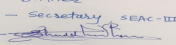
- Use of LED in Parking area, lift-lobby and stair-case.
- Using Solar system in Common Area Lighting (10%). & Street/ Landscape lights with LED lamps.
- V3F drive is proposed for all lifts.
- As per MSEDCL requirements, it is recommended to use low loss Transformer.
- Losses for Transformer shall, in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

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) All fluorescent light fixtures are specified to incorporate electronic chokes which have less watt-loss compared to electro-magnetic chokes and result in superior operating power factor. This indirectly saves energy. Electronic chokes also improves life of the fluorescent lamps 4) Energy efficient cf	30 %
2	6) 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	20 %
3	7) 125 Ltrs Solar water is provided for each flat	95 %
4	8) Solar PV of 6KW is proposed for Common Area Lighting	10-15 %

50. Details of pollution control Systems

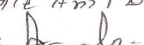
Source	Existing pollution control system	Proposed to be installed
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STP	Not applicable	1 No. - Capacity-200 m3 Not applicable
OWC	NA	1 No. - Capacity-535 kg/day
DG set	NA	1 No. - Capacity 160 KVA

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 25.00
	O & M cost:	Rs. 1.75 lac p. a.

51.Environmental Management plan Budgetary Allocation

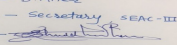
a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air & Noise	Water For Dust Suppression Air & Noise monitoring	1.56
2	Water	Tanker water for construction & worker Water monitoring	1.92
3	Land	Labour toilets 15 Nos. Cleaning 10000 Rs/Month.	5.20
4	Biological	Gardening & Excavation	15.10
5	Socio	Disinfection at site Safety, First Aid, Health Hygiene Facilities Health Check Up Creches for children Personal Protective Equipment CFL lamps for labor hutments	3.30
6	Total	TOTAL	27.08

b) Operation Phase (with Break-up):

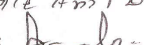
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP Cost	1 No. Of 200 KL D capacity	22.60	20.03
2	Rain Water Harvesting	5 Nos. of recharge pits with 10 bore well	3.76	0.26
3	Environmental Monitoring	MoEF approved laoratory	0	27.44
4	Gardening	Plantation of 226 trees	151.25	0.45
5	Solid waste	1 No.	15.30	1.52
6	Energy	1 Nos. 160 kVA, and solar panels	25.00	1.75
7	Swimming pool	1 No.	41.6	4.3

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

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S.D.Aher (Secretary SEAC-III)

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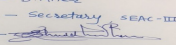
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52. Any Other Information

No Information Available

53. Traffic Management

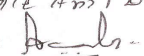

	Nos. of the junction to the main road & design of confluence:	1
Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	11421.00 m ²
	Area per car:	12.5 m ²
	Area per car:	12.5 m ²
	Number of 2-Wheelers as approved by competent authority:	716
	Number of 4-Wheelers as approved by competent authority:	302
	Public Transport:	NA
	Width of all Internal roads (m):	7.5 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 (B2)
	Court cases pending if any	NA
	Other Relevant Informations	We have received earlier EC vide letter No. SEAC-2013/CR 561/TC-2 dated 01.12.2014 for the same, accordingly work initiated. Construction completed as per earlier EC is 14,888.65 m ² Bldg. A-B Type P+P+12 & site office. Now seeking for amendment.

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	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	27-02-2017

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summarised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for Residential & Commercial Project Park Landmark at S. No. 665/A Bibwewadi by **Mr. D. P. Jain.**

PP submitted their application for modernization/amendment of Environmental clearance for total plot area of 20154.48 Sq. Mtrs, BUA of 50167.94 Sq. Mtrs and FSI area of 27574.62 Sq. Mtrs. PP proposes to construct 2 no. residential building and 1 residential +commercial building & 1 club house.

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

DECISION OF SEAC

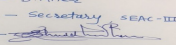
PP requested for time to submit above information; after deliberations committee asked PP to comply with the above observations and submit information to the committee for further discussion and consideration of SEAC.

Specific Conditions by SEAC:

- 1) PP to submit revised RG Plan considering construction area restrict up to 10 % limit.
- 2) PP to submit revise NOC for Water Supply.
- 3) PP to submit phase wise programme of construction considering wind rose diagram.
- 4) PP to submit fire tender movement plan with improving slope more than 1: 10.
- 5) PP to submit cross section of drive way at 4-5 points.
- 6) PP to submit parking layout plan on lower ground and upper ground level.
- 7) PP to submit Parking Statement and details of area per car.
- 8) PP to submit revised tree list.
- 9) PP to submit details of afforestation along with photograph.
- 10) PP to submit details of water treatment plant with undertaking of its treatment.

FINAL RECOMMENDATION

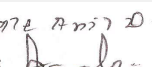

SEAC-III decided to defer the proposal till PP submits the additional information as per above conditions within 30 days

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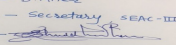
Agenda for 65 th (A) meeting of SEAC-3.

SEAC Meeting number: 65 Meeting Date June 5, 2018

Subject: Environment Clearance for Construction Project

Is a Violation Case: No

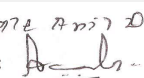
1.Name of Project	Pebbles-II
2.Type of institution	Private
3.Name of Project Proponent	Mr. Shamkant Shende & Mr. Sunil Nahar Partner
4.Name of Consultant	Ultra-Tech
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Earlier Environmental Clearance received from SEIAA vide Letter No. SEAC-2011/CR-651/TC-11 dated 29-09-2014.
8.Location of the project	Sr. No. 270/1, 270/2, 270/3, 271/1, 271/2, 271/3, 272/1, 272/2, 272/3, 272/4, 272/5, 272/6, 272/7, 273/1, 273/2, 316/4, 316/5, 317/1, 317/2, 317/3, 317/4, 317/5, 318/1, 318/2, 319/1, 319/3, 319/5, 319/6 Bavdhan (Budruk), Tal . Mulshi, Dist.-Pune, State - Maharashtra.
9.Taluka	Mulshi
10.Village	Bavdhan
Correspondence Name:	M/s. Abhinav Rainbow Developers and Promoters LLP. 927/302, Sanas Memories, F.C. Road, Pune - 411005.
Room Number:	927/302
Floor:	--
Building Name:	Sanas Memories
Road/Street Name:	FC Road
Locality:	Indian
City:	Pune
11.Area of the project	other area
12.IOD/IOA/Concession/Plan Approval Number	For Residential & Commercial Commencement Certificate No. BMU/Mouje Bavdhan Budruk/S.N.270/1+ Others/ P.K.. No. 1718/ 2016-17 dated 27-04-2017 . Issued By The CEO, PMRDA For Amenity Commencement Certificate No. BMU/Mouje Bavdhan Budruk/S.N.270/1+ Others/ P.K.. No. 1718/ 2016-17 dated 29-04-2017 . Issued By The CEO, PMRDA IOD/IOA/Concession/Plan Approval Number: For Residential & Commercial Commencement Certificate No. BMU/Mouje Bavdhan Budruk/S.N.270/1+ Others/ P.K.. No. 1718/ 2016-17 dated 27-04-2017 . Issued By The CEO, PMRDA For Amenity Commencement Certificate No. BMU/Mouje Bavdhan Budruk/S.N.270/1+ Others/ P.K.. No. 1718/ 2016-17 dated 29-04-2017 . Issued By The CEO, PMRDA Approved Built-up Area: 68706.80
13.Note on the initiated work (If applicable)	Work initiated on site as per EC and sanctions
14.LOI / NOC / TOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	59559.00
16.Deductions	943.77
17.Net Plot area	58615.23
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 68706.80
	b) Non FSI area (sq. m.): 66584.83
	c) Total BUA area (sq. m.): 135291.63
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 67496.93
	Approved Non FSI area (sq. m.): 65409.47
	Date of Approval: 27-04-2017
19.Total ground coverage (m2)	22764.15

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20. Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	38
21. Estimated cost of the project	2880000000

22. Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Residential A-F Bldg.-A	LG +P + 12	36.75
2	Bldg. -B	LG +P + 12	36.75
3	Bldg. -C	LG +P + 17	51.00
4	Bldg. -D	LG +P + 12	36.75
5	Bldg. -E	LG +P + 12	36.75
6	Bldg. -F	P + 17	48.45
7	Amenity Bldg. - G	P + 11	34.35
8	Bldg.- H	G + 11	34.35
9	Bldg.- I	G + 12	37.20
10	Essential Shops-	G	--
11	Commercial Bldg. - K	G + 3	12.6

23. Number of tenants and shops	Residential : 983 + Shops 7 Nos+ Offices 42 Nos+ Essential shopping 32 Nos =1064
24. Number of expected residents / users	Population- Resi. A-F 3790+ K Bldg Commercial Shops & Offices 271+ Amenity Residential & Essential Shopping 1188 = 5249.00
25. Tenant density per hectare	180
26. Height of the building(s)	
27. Right of way (Width of the road from the nearest fire station to the proposed building(s))	Nearest fire station of Kothrud 5.5 Km away accessible by 18 m wide road
28. Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	7.5 m Minimum Driveways with 9.0 m radius and wider space at turning.
29. Existing structure (s) if any	Building A, B, C, D, E and club house constructed on site. Details are given in point no. 17 Building configuration
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

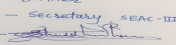
32. Total Water Requirement

<p>Name - S.D.Aher Designation - Secretary SEAC-III Sign - </p> <p>S.D.Aher (Secretary SEAC-III)</p>	<p>SEAC Meeting No: 65 Meeting Date: June 5, 2018</p>	<p>Page 22 of 75</p>	<p>Name: K. Anil Kale Signature: </p> <p>Shri. Anil Kale (Chairman SEAC-III)</p>
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Dry season:	Source of water	Grampanchayat Bavdhan/ MJP
	Fresh water (CMD):	353
	Recycled water - Flushing (CMD):	332 for flushing and gardening
	Recycled water - Gardening (CMD):	106
	Swimming pool make up (Cum):	5
	Total Water Requirement (CMD) :	789
	Fire fighting - Underground water tank(CMD):	550
	Fire fighting - Overhead water tank(CMD):	210
	Excess treated water	201
Wet season:	Source of water	Grampanchayat Bavdhan/ MJP
	Fresh water (CMD):	353
	Recycled water - Flushing (CMD):	332 for flushing and gardening
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	5
	Total Water Requirement (CMD) :	789
	Fire fighting - Underground water tank(CMD):	550
	Fire fighting - Overhead water tank(CMD):	210
	Excess treated water	310
Details of Swimming pool (If any)	Main Pool : 22.4 X 8.8 X 0.6 = 197.12 m ²	

33.Details of Total water consumed

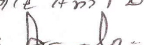
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	0	351	351	0	35	35	0	316	316
Fresh water requirement	0	332	332	0	10	10	0	322	322
Gardening	00	00	106	00	00	00	00	00	00

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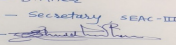
34.Rain Water Harvesting (RWH)	Level of the Ground water table:	30-35 m
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	28 Nos.
	Size of recharge pits :	recharge pits with Borewells(Multi Stage Under Ground Filter) (6 Nos.) : Size 3.5 mt X 1 mt X 2 mt Recharge Pit with Precast Modular Filter Jaloday System (22 Nos) size 1.5 mt dia x 2.1mt Ht.
	Budgetary allocation (Capital cost) :	Rs. 38.61 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 1.93 Lakhs/Annum
	Details of UGT tanks if any :	A, B, C, D, E & F (- Domestic + firefighting) = 832 m ³ K -(Domestic + firefighting) = 60 m ³ Amenity (G,H,I) - Domestic + firefighting) = 320 m ³

35.Storm water drainage	Natural water drainage pattern:	From West to East.
	Quantity of storm water:	600- 900 mm WIDE drain with 1:200 slope
	Size of SWD:	600 mm

Sewage and Waste water	Sewage generation in KLD:	638
	STP technology:	Deep tank aeration system
	Capacity of STP (CMD):	1 No. sullage 256 Cum + 1No. sewage 222 cum for residential, 1 No. 80 cum sullage + 1no. 70 cum sewage for Amenity, 1 No. 30 cum for commercial
	Location & area of the STP:	Near Building A, B and near amenity building
	Budgetary allocation (Capital cost):	Rs. 80.00 Lakhs
	Budgetary allocation (O & M cost):	Rs. 6.50 Lakhs/Annum

36.Solid waste Management

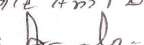
Waste generation in the Pre Construction and Construction phase:	Waste generation:	158 kg/day
	Disposal of the construction waste debris:	Handed over to Authorized recyclers
Waste generation in the operation Phase:	Dry waste:	894 kg/day
	Wet waste:	1417 kg/day
	Hazardous waste:	--
	Biomedical waste (If applicable):	--
	STP Sludge (Dry sludge):	92 kg/day
	Others if any:	NA

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Mode of Disposal of waste:	Dry waste:	Handed over to Authorized recyclers-Swach
	Wet waste:	treated in OWC
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	used as manure
	Others if any:	NA
Area requirement:	Location(s):	Near Transformer
	Area for the storage of waste & other material:	165 m2
	Area for machinery:	included in above
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 40.4 Lakhs
	O & M cost:	Rs. 8.94 Lakhs/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):		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

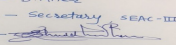
39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	attached to DG set	62 lit/hr.	1	5	0	300-400

40.Details of Fuel to be used

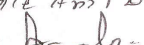
Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel	Diesel	Diesel	Diesel

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

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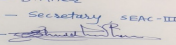
43.Green Belt Development	Total RG area :	22758.98 m2 (Required RG -8059.59 m2 + Addl. RG-6062.00 m2 + Excess green - 8637.39 m2) on Podium 1718.33 m2
	No of trees to be cut :	NA
	Number of trees to be planted :	1100 Nos.
	List of proposed native trees :	1100 Nos.
	Timeline for completion of plantation :	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	Albizia lebbeck	Shirish	50	Shady tree, yellowish green fragrant flowers
2	Azadiracta indica	Neem	53	Evergreen tree, fast growing
3	Saraca asoka	Sita Ashok	40	Shady tree with red-yellow flowers.
4	Anthocephallus cadamba	Kadamb	67	Shady, large tree, ball shaped flowers
5	Lagerstroemia flos-regineae	Tamhan	50	State flower tree of Maharashtra. Medium sized tree, beautiful purple flowers
6	Murraya paniculata	Kunti	56	Small tree, Fragrant white flowers, Butterfly host plant
7	Manilkara zapota	Chiku	40	Medium size , fruit bearing tree
8	Mangifera indica	Mango	50	Tall, fruit bearing tree
9	Syzygium cumini	Jambhul	40	Dense ornamental, fruit bearing tree
10	Psidium guajava	Peru	50	Medium size , fruit bearing tree
11	Ficus retusa	Nandruk	30	Medium sized evergreen tree, Shady tree.
12	Caryota urens	Fish tail palm	30	Tall evergreen tree
13	Terminalia catapa	Badaam	45	drought tolerant
14	Terminalia arjuna	Arjuna	46	Large evergreen tree
15	Lagerstromia Lanceolata	Crape-myrtle	68	Medium deciduous tree. Flowers attract many birds.
16	Dalbergia latifolia	Shisham, Indian Rosewood	56	drought tolerant
17	Terminalia paniculata	Kindal	60	drought tolerant
18	Samanea saman	Rain tree	45	Large deciduous tree. Flowering
19	Tabebuia avellanadae	Tabebui pink	50	Large deciduous tree. Pink flowers
20	Tabebui yellow	Tabebuia argentea	45	Deciduous tree, ornamental, yellow flowers
21	Swietenia mahagoni	Mahagony	30	Large evergreen tree
22	Cocos nucifera	Coconut	20	Tall tree bearing woody fruit
23	Barringtonia racemosa	Cornbeefwood	30	drought tolerant

45.Total quantity of plants on ground

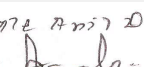

46.Number and list of shrubs and bushes species to be planted in the podium RG:

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

47. Energy

Power requirement:	Source of power supply :	MSEDCL.
	During Construction Phase: (Demand Load)	75 KW
	DG set as Power back-up during construction phase	1 no. x 82.5 KVA
	During Operation phase (Connected load):	5600 KW
	During Operation phase (Demand load):	2706 KW
	Transformer:	5 Nos. -(4 nos.- 630 KVA + 1 No. -315 KVA)
	DG set as Power back-up during operation phase:	4 Nos. - (1 No. X125 KVA + 1 No. x 100 KVA+ 1 No. x 200 KVA. + 1 No. X 62.5 KVA)
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48. Energy saving by non-conventional method:

The following Energy Conservation Methods are proposed in the project:

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

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	1. Solar PV Panels : 27000 KWH / Anum 2. Timer Logic Controller : 183702 KWH / Anum 3. Electronic VVF drive for Lifts : 80053 KWH / Anum 4. Solar Water Heater : 1713900 KWH / Annum	Total : 2004655 KWH / Anum (18.9 %)

50. Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 216 Lakhs
	O & M cost:	Rs. 6.50 Lakhs/Annum

51. Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	water for dust suppression, Air & Noise monitoring	8.53
2	Water Environment	Tanker Water For Construction & water monitoring	4.00
3	Land Environment	Site Sanitation -toilets	36.00
4	Biological Environment	Site beautification	2.00
5	Socio-economic environment	Disinfection- Pest Control First Aid Facilities Health Check Up Crèches For Children, Personal Protective Equipment	102.74
6	Energy Conservation	CFL lamps for labour hutments	14.4

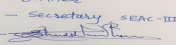
b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP	3 Nos. + 3 Nos. Sullage treatment Plant	80.00	6.50
2	OWC	Fro Solid waste Management	40.40	8.94
3	Rain water Harvesting	28 Nos. of recharge pits	38.61	1.93
4	Energy	Solar PV + Hot Water heating system including Energy Saving Measures	216.00	6.50
5	drainage line	laying of drainage line up to final disposal point	12.70	0
6	Swimming Pool	Swimming Pool	14.27	1.20
7	Water from tanker	Water from tanker	75.92	0
8	Environmental Monitoring	MoEF approved laboratory	0	18.74

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

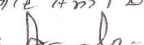
52.Any Other Information

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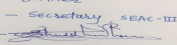
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No Information Available

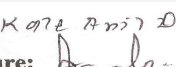

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	2 Nos.
Parking details:	Number and area of basement:	NA
	Number and area of podia:	1
	Total Parking area:	10630 m2
	Area per car:	12.5
	Area per car:	12.5
	Number of 2-Wheelers as approved by competent authority:	1273
	Number of 4-Wheelers as approved by competent authority:	384
	Public Transport:	NA
	Width of all Internal roads (m):	6 to 7.5 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 (B2)
	Court cases pending if any	Yes
	Other Relevant Informations	<p>M/s. Abhinav Rainbow Developers & Promoters LLP. Have proposed project, "Pebbles II" Sr.no. 270/1, 270/2, 270/3, 271/1, 271/2, 271/3, 272/1, 272/2, 272/3, 272/4, 272/5, 272/6, 272/7, 273/1, 273/2, 316/4, 316/5, 317/1, 317/2, 317/3, 317/4, 317/5, 318/1, 318/2, 319/1, 319/3, 319/5, 319/6 Bavdhan (Budruk), Tal . Mulshi, Dist.-Pune, State - Maharashtra... The project have obtained Environmental Clearance for this project vide letter No.SEAC-2011/ CR-651/ TC-2 dated 11-06-2014 for construction area 56961.66 m2 (24393.01m2 F.S.I. + 32568.65 m2 non F.S.I.). The same project they have amended vide 74th MOM itemn No.32 dated 27-08-2014 for construction area 60030.00 m2 (26534.55 m2 F.S.I. + 33495.45 m2 non F.S.I.).</p> <p>They have now applied for expansion in that project with construction area 1,35,291.63 m2 (118225.14 m2 F.S.I. + 17066.49 m2 non F.S.I.)</p> <p>The project proponent has received plan sanctioned from local planning authority for built-up area 132906.40.m2 covering 667496.93 m2 F.S.I. & 65409.47 m2 non F.S.I. area. They have completed construction of (38,665.77 m2 F.S.I. + 46,672.64 m2 non F.S.I.)= 85,338.41 m2 till date.</p>

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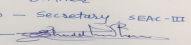
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	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	24-05-2017
SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS		
Summarised in brief information of Project as below.		
Brief information of the project by SEAC		

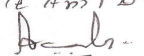
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Environmental Clearance for the project "Pebbles II" located Sr.No. 270/1, 270/2, 270/3 ,271/1, 271/2, 271/3, 272/1, 272/2, 272/3, 272/4, 272/5, 272/6, 272/7, 273/1, 273/2, 316/4, 316/5, 317/1, 317/2, 317/3, 317/4, 317/5, 318/1, 318/2, 319/1, 319/3, 319/5, 319/6, situated at Bavdhan (Budruk), Tal . Mulshi , Dist-Pune , Maharashtra by M/s Abhinav Rainbow Developers and Promoters LLP.(ToR)

PP had submitted their application for Environment Clearance for proposed project "Pebbles II" situated at Bavdhan (Budruk), Tal : Mulshi, Dist -Pune , Maharashtra .PP had obtained Environmental Clearance for this project vide letter No. SEAC-2011/CR-651/TC-2 dated 11-06-2014 for built -up area 56,961.66 m² (24,393.01 m² F.S.I. + 32, 568.65 m non F.S.I.) The same EC has been amended by SEIAA in their 74th meeting held on 27-08-2014 for BUA area of 60,030.00 m² (26,534.55 m² F.S.I +33,495.45m² non F.S.I.) and obtained amended Environmental Clearance Vide Letter No. SEAC-2011/CR-651/TC-11 dated 29-09-2014.Further, PP applied for expansion of the project with total construction built-up area (TBUA Residential 1, 18,839.78 m² +TBUA Amenity 17, 066.49 m²) =1, 35, 906.27 m².The case was considered in 46th SEAC-III meeting and violation was noted. Accordingly, Court case No. 1411/2017 for violation of EIA Notification 2006, was filed at CJM Court, Pune District. Further case was considered in 107th SEIAA meeting, wherein SEIAA decided to delist the case till the Criminal Case is finally decided.

PP stated that they have received court case result with Order dated 16.11.2017 stating that Hon'ble Chief Judicial Magistrate accepted their plea and awarded sentence to suffer simple imprisonment for till rising of the Court and to pay fine of Rs.60,000/- (Rupees Sixty Thousand Only) each in default simple imprisonment for 40 days each . Accordingly PP obeyed and also have paid fine of Rs.60,000/- The court case stand disposed.

PP made online application on SEAC-MPCB website with application No. SEIAA -STATEMENT -000000827 dated 03-01-2018 for Environmental Clearance

Now, This Committee took up the reports and other documents submitted by the Project Proponent on record. The proposal is appraised as category 8 (b) B1.

The Ministry of Environment and Forest has issued a Notification vide S.O. 804 (E) dated 14 th March, 2017 for appraisal of projects for grant of Terms of Reference / Environmental Clearance, which have started the work on site, expanded the production beyond the limit of environmental clearance, or changed the product mix without obtaining prior environmental clearance under the Environment Impact Assessment Notification, 2006.

The proposal considered by this committee for ToR/EC in pursuance of the Ministry's Notification dated 14th March, 2017, after deliberations recommended for the following:-

After deliberation, Committee Hereby accords approval to the Terms of Reference for proposed 'Construction for undertaking Environment Impact Assessment (EIA) and preparation of Environment Management Plan (EMP) including all above points for further discussion and consideration of SEAC as per MoEF & CC Notification dated 14/03/2017 and 8/03/2018. PP requested for time to submit above information.

Now in 65 th (A) Meeting the case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, Ecological Damage remediation and augmentation plan including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8 (a) B2.

<p>Name - S.D.Aher Designation - Secretary SEAC-III Sign </p> <p>S.D.Aher (Secretary SEAC-III)</p>	<p>SEAC Meeting No: 65 Meeting Date: June 5, 2018</p>	<p>Page 31 of 75</p>	<p>Name:  Signature:  Shri. Anil Kale (Chairman SEAC-III)</p>
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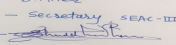
Agenda for 65 th (A) meeting of SEAC-3.

SEAC Meeting number: 65 Meeting Date June 5, 2018

Subject: Environment Clearance for Application for Residential & Commercial Project by M/s. Xrbia Epoch Creations LLP at Kondhwa Pune

Is a Violation Case: No

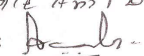
1.Name of Project	Residential & Commercial project by M/s. Xrbia Epoch Creations LLP
2.Type of institution	Private
3.Name of Project Proponent	Mr .Veer Bharati Kouls
4.Name of Consultant	Mahabal Enviro Engineers Pvt. Ltd., Thane, Maharashtra
5.Type of project	Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	S. NO. 47/1/4, 47/1/22A, 47/2/1 to 47/2/5, 47/3, 47/3/1 to 47/3/19, 47/4, 47/4/1 to 47/4/6, 47/4/6A, 47/7, 47/4/7/1, 47/5A 47/5B, 47/5C, 47/6 + S. NO. 47/1/3 to 47/1/8, 47/1/12, 47/1/13, 47/1/15, 47/1/19, 47/1/20, 47/1/21, 47/1/22, 47/6/3/1, 47/4/7, 47/7/1, Village Kondhwa, Taluka Haveli, District Pune
9.Taluka	Haveli
10.Village	Kondhwa
Correspondence Name:	1st floor, Mantri House 929, F.C. Road, Pune-411005
Room Number:	929
Floor:	1st floor
Building Name:	Mantri House
Road/Street Name:	FC Road
Locality:	Pune
City:	Pune
11.Area of the project	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	To be Applied IOD/IOA/Concession/Plan Approval Number: Not received Approved Built-up Area: 60272
13.Note on the initiated work (If applicable)	Work not initiated
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	27,275 m2
16.Deductions	10,674 m2
17.Net Plot area	16700 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 60,272 m2 b) Non FSI area (sq. m.): 36,414 m2 c) Total BUA area (sq. m.): 96686
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 60,272 m2 Approved Non FSI area (sq. m.): Approval is in process Date of Approval: 01-01-1900
19.Total ground coverage (m2)	8,299 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	50% of net plot area.
21.Estimated cost of the project	1930000000

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S.D.Aher (Secretary SEAC-III)

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

22. Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Wing A	Ground floor parking + Podium parking + 15 floors	49.30
2	Wing B	Basement + Ground + Podium parking + 11 floors	39.90
3	Club House	Ground + 1 floor	-
4	3Shop In B wing	-	-

23. Number of tenants and shops	Tenants -1,879 nos. Shop - 22 nos.
24. Number of expected residents / users	Total Population- 7,587 nos. (Residents -7170 nos.. & commercial users- 417 nos.)
25. Tenant density per hectare	987/Ha.
26. Height of the building(s)	
27. Right of way (Width of the road from the nearest fire station to the proposed building(s))	18 m, 9 m wide DP road
28. Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Internal road - 6 m Turning radius - 9 m
29. Existing structure (s) if any	No
30. Details of the demolition with disposal (If applicable)	NA

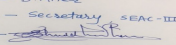
31. Production Details

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

32. Total Water Requirement

<p>Name - S.D. Aher Designation - Secretary SEAC-III Sign </p> <p>S.D.Aher (Secretary SEAC-III)</p>	<p>SEAC Meeting No: 65 Meeting Date: June 5, 2018</p>	<p>Page 34 of 75</p>	<p>Name: K. Anil Kale Signature: </p> <p>Shri. Anil Kale (Chairman SEAC-III)</p>
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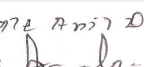

Dry season:	Source of water	Pune Municipal Corporation								
	Fresh water (CMD):	656 m3/day								
	Recycled water - Flushing (CMD):	331m3/day								
	Recycled water - Gardening (CMD):	8 m3/day								
	Swimming pool make up (Cum):	NA								
	Total Water Requirement (CMD) :	987 m3/day								
	Fire fighting - Underground water tank(CMD):	150 m3								
	Fire fighting - Overhead water tank(CMD):	80 m3								
	Excess treated water	474 m3/day								
Wet season:	Source of water	Pune Municipal Corporation								
	Fresh water (CMD):	656 m3/day								
	Recycled water - Flushing (CMD):	331m3/day								
	Recycled water - Gardening (CMD):	4 m3/day								
	Swimming pool make up (Cum):	NA								
	Total Water Requirement (CMD) :	987 m3/day								
	Fire fighting - Underground water tank(CMD):	150 m3								
	Fire fighting - Overhead water tank(CMD):	80 m3								
	Excess treated water	478 m3/day								
Details of Swimming pool (If any)	NA									
33.Details of Total water consumed										
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)			
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total	
Water Requirement	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	

Name - S.D.Aher
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S.D.Aher (Secretary SEAC-III)

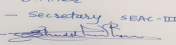
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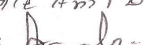
34.Rain Water Harvesting (RWH)	Level of the Ground water table:	Summer Season - 21 m. to 26 m. BGL; Rainy Season - 8 m. to 14.00 BGL; Winter Season - 15 m. to 20 m. BGL.
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	6 Nos.
	Size of recharge pits :	2 m x 2 m x 2 m
	Budgetary allocation (Capital cost) :	Rs. 6 Lakh
	Budgetary allocation (O & M cost) :	Rs.1 Lakh
	Details of UGT tanks if any :	Domestic: 656 m3 Flushing: 331 m3 Fire: 150 m3
35.Storm water drainage	Natural water drainage pattern:	Along with road side Nalla
	Quantity of storm water:	24 m3/minute
	Size of SWD:	450 mm x 600 mm
Sewage and Waste water	Sewage generation in KLD:	841 m3/day
	STP technology:	MBBR
	Capacity of STP (CMD):	1 no. of 885 KLD
	Location & area of the STP:	South side of the project site (on ground) and area is 550 m2
	Budgetary allocation (Capital cost):	Rs. 60 Lakh
	Budgetary allocation (O & M cost):	Rs. 15 Lakh/year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	34,530 m3
	Disposal of the construction waste debris:	Will be used for leveling & backfilling work within project site
Waste generation in the operation Phase:	Dry waste:	1200 kg/day
	Wet waste:	2201 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	120 Kg/day
	Others if any:	e-waste - 11 kg/day Inert waste- 257 kg/day

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Mode of Disposal of waste:	Dry waste:	Dry garbage will be segregated & disposed of to recyclers.
	Wet waste:	Wet garbage will be treated by using Organic waste converter machine
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as manure for gardening & landscaping purpose.
	Others if any:	Handed over to authorized recyclers
Area requirement:	Location(s):	On ground
	Area for the storage of waste & other material:	174 m ²
	Area for machinery:	30 m ²
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 30 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):		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

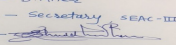
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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

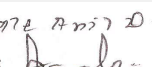

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable
41. Source of Fuel		Not applicable		
42. Mode of Transportation of fuel to site		Not applicable		

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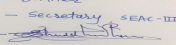
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43.Green Belt Development	Total RG area :	1,671 m2
	No of trees to be cut :	Not applicable
	Number of trees to be planted :	343 nos. Proposed & 5 nos. Existing
	List of proposed native trees :	Provided
	Timeline for completion of plantation :	6 to 9 months after completion of Civil Works

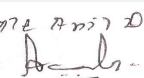
44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Albizzia Lebbek	Shirish	25	Shady tree with yellowish green fragrant flowers
2	Artocarpus Heterophyllus	Fanas	9	Shady tree, arrests soil erosion
3	Azadirachta Indica	Kadu nimb	24	Hardy, drought resistant Medicinal Tree
4	Bauhinia Purpurea	Apta/Kanchan	18	Butterfly Host Tree
5	Bauhinia Tomentosa	Bahava	18	Butterfly Host Tree
6	Cassia Fistula	Kassod	24	Drought-resistant, butterfly-host tree
7	Emblica Officinalis	Amala/ Awala	26	Shady tree arrests soil erosion
8	Michelia champaka	Piwala chapha	21	Butterfly-host plant
9	Mimusops Elengi	Bakul	10	Small, fast growing tree with fragrant flowers
10	Muntingia Calabura	Cherry	26	Fruit attracts birds and butterflies
11	Nyctanthes Arborescens	Parijatak	22	Small, Fast growing tree, beautiful flowers
12	Pongamia Pinnata	Karanj	26	Shade-giving tree, Soil erosion arrestor
13	Pterospermum Acerifolium	Muchkund	30	Quick growing tree
14	Saraca indica	Sita Ashok	30	Shade-giving tree
15	Syzygium Cumini	Jambhul	14	Shady tree, Fruits attract birds and butterflies
16	Lagerstroemia Flos-reginae	Tamhan	20	Shady tree arrests soil erosion
17	Existing	-	-	-
18	Holoptelia integrifolia	Vaval	1	Large evergreen tree providing shade
19	Azadirachta Indica	Neem	1	Evergreen tree with Medicinal properties
20	Zizyphus Mauritiana	Ber	2	Evergreen tree with Medicinal properties
21	Albizzia Lebbek	Shirish	1	Shady tree with yellowish green fragrant flowers
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	40 kW
	DG set as Power back-up during construction phase	125 kVA x 1 no.
	During Operation phase (Connected load):	3658 kVA
	During Operation phase (Demand load):	3004 kVA
	Transformer:	630 kVA x 5nos. = 3150 kVA
	DG set as Power back-up during operation phase:	500 kVA x 1 no.
	Fuel used:	Diesel
Details of high tension line passing through the plot if any:	NA	

48.Energy saving by non-conventional method:

- ? LED lights, VFD and APFC Panel in Lifts, Water pumps for non-conventional
 ? Solar hot water systems for residential building.
 ? Solar panel lights will be installed for common facilities wherever possible.
 ? Solar street lights are proposed for common area such as open spaces, pathways, RG etc. for the conventional method.

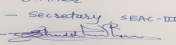
49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Detail Percentage of Saving by non-conventional method - LED lights, VFD and APFC Panel in Lifts, Water pumps	3 %
2	Detail Percentage of Saving by conventional method Solar hot water systems for residential building. Solar panel lights will be installed for common facilities wherever possible. Solar street lights are proposed for common areas such as open spaces, pathways, RG etc	13 %

50.Details of pollution control Systems

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

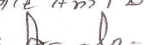
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs.104 Lakh
	O & M cost:	Rs. 7 Lakh

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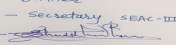
51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air, Water Environment	During the construction phase, water will be required for sprinkling for suppression of dust and for construction purpose	2
2	Site Sanitation & Safety	Toilet facility provided to the labours. Six monthly health checkup and doctor visit as per requirement, First aid facilities	3
3	Environmental Monitoring	Ambient air, drinking water, noise and soil testing on monthly basis.	2
4	Disinfection	Cleaning and maintaining the site.	1
5	Health Check up	Masks, Ear plugs, safety shoes, safety goggles, safety harness, Safety belt, helmets, safety net, hand gloves etc	1
6	-	Total	9

b) Operation Phase (with Break-up):

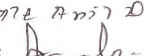
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment plant	1 no. of STP having capacity of 885 m3/day	60	15
2	Solid Waste Management	1 no. of OWC unit	30	2
3	Landscape	343 no. of trees to be planted. Developed and maintained landscape area is 1,671m2	17	2
4	Environmental Monitoring	Air, Water, Noise, Soil, surface water, STP treated water etc	MoEF approved laboratory	5
5	Energy Conservation	Solar street lighting	104	7
6	Rain Water Harvesting	6 no. of recharge pits of Size of recharge pits: 2 m x 2 m x 2 m	6	1
7	Laying of storm & Sewer line up to final disposal point	Laying of storm & Sewer line up to final disposal point	66	15
8	-	Total	283	47

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

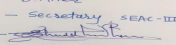
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

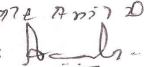

	Nos. of the junction to the main road & design of confluence:	1 No.
Parking details:	Number and area of basement:	1 Basement of area 1,988 m ²
	Number and area of podia:	2 Podium of area 8,569 m ²
	Total Parking area:	20,093 m ²
	Area per car:	30 m ² and 35 m ²
	Area per car:	30 m ² and 35 m ²
	Number of 2-Wheelers as approved by competent authority:	Scooters - 2,457 nos. Cycles - 3,917 nos.
	Number of 4-Wheelers as approved by competent authority:	134 nos.
	Public Transport:	NA
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8(a), B2
	Court cases pending if any	NA
	Other Relevant Informations	We have submitted the project to SEIAA through MoEF web portal with proposal no. SIA/MH/NCP/72302/2018.

Name - S.D.Aher
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Sign - 

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	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	16-01-2018

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summarised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for Application for Residential & Commercial Project at S. NO. 47/1/4, 47/1/22A, 47/2/1 TO 47/2/5, 47/3, 47/4, 47/3/1 TO 47/3/19, 47/4, 47/4/1 TO 47/4/6, 47/4/6A, 47/7, 47/4/7/1, 47/5A 47/5B, 47/5C, 47/6 + S. NO. 47/1/3 TO 47/1/8, 47/1/12, 47/1/13, 47/1/15, 47/1/19, 47/1/20, 47/1/21, 47/1/22, 47/6/3/1, 47/7/1 Kondhwa Pune **by M/s. Xrbia Epoch Creations LLP.**

PP submitted their application for Expansion of Environmental clearance for total plot area of 27275 Sq. Mtrs, BUA of 96686 Sq. Mtrs and FSI area of 60272 Sq. Mtrs. PP proposes to construct 2 no. residential building(Wings) and 1 Club house + 3 no. shop .

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

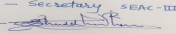
SEAC decided to recommend the proposal for prior environmental Clearance, subject to PP complying with the above conditions.

Specific Conditions by SEAC:

- 1) PP to submit cross section through the internal road showing the space left for SWD, plantation of trees and compound wall.
- 2) PP to submit revised Disaster Management Plan with lightning arrestor.
- 3) PP to submit an undertaking for assured water supply.
- 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 if applicable.

FINAL RECOMMENDATION

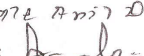
SEAC-III have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions

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

S.D.Aher (Secretary SEAC-III)

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Name: K. Anil Kale
Signature: 

Shri. Anil Kale (Chairman SEAC-III)

Agenda for 65 th (A) meeting of SEAC-3.

SEAC Meeting number: 65 Meeting Date June 5, 2018

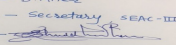
Subject: Environment Clearance for proposed project by M/s Kedar Associates

Is a Violation Case: No

1.Name of Project	"Krishnakunj Residency"
2.Type of institution	Private
3.Name of Project Proponent	Mr. S.G. Lanke
4.Name of Consultant	M/s JV Analytical Services
5.Type of project	Residential & Commercial
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	S. No. 41A/2/1/1
9.Taluka	Haveli
10.Village	Wadgaon (Bk.)
Correspondence Name:	Mr. S.G. Lanke
Room Number:	Office No. 9
Floor:	-
Building Name:	Rahul Complex, Near Krishna Hospital
Road/Street Name:	Paud Road
Locality:	Kothrud
City:	Pune-38
11.Area of the project	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Applied
	IOD/IOA/Concession/Plan Approval Number: -
	Approved Built-up Area: 27366.15
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	10500.00 m2
16.Deductions	2945.97 m2
17.Net Plot area	7554.03 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 16193.39
	b) Non FSI area (sq. m.): 11172.76
	c) Total BUA area (sq. m.): 27366.15
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)	1925.12
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	18.33 % of Total Plot area (10500.00 m2) and 25.48% of Net Plot area (7554.03 m2)
21.Estimated cost of the project	739500000

22.Number of buildings & its configuration

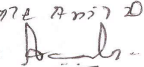
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
---------------	------------------------	------------------	-------------------------------

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Name: K. Anil Kale
Signature: 

Shri. Anil Kale (Chairman SEAC-III)

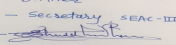
1	Wing A	LP + UP / G+11	36 M
2	Wing B	LP +UP +11	36 M
3	Wing C	LP +UP +11	36 M
4	Wing D	LP+7	21.25 M
5	Wing E	LP+8	24.20 M

23.Number of tenants and shops	Total Tenements -283 Nos. Total Shops- 07 Nos.
24.Number of expected residents / users	Residential Users: 1415 Nos. Commercial Users : 58 Nos. Total Users: 1473 Nos.
25.Tenant density per hectare	270/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))	24 M wide DP road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	NA
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

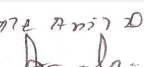

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

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Designation - Secretary SEAC-III
Sign 

S.D.Aher (Secretary SEAC-III)

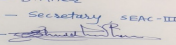
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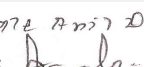

Dry season:	Source of water	PMC							
	Fresh water (CMD):	205.64 m3/day (One time)							
	Recycled water - Flushing (CMD):	65.13 m3/day							
	Recycled water - Gardening (CMD):	7.00 m3/day							
	Swimming pool make up (Cum):	NA							
	Total Water Requirement (CMD) :	133.51 m3/day							
	Fire fighting - Underground water tank(CMD):	250 m3							
	Fire fighting - Overhead water tank(CMD):	90 m3							
	Excess treated water	102.13 m3/day							
Wet season:	Source of water	PMC							
	Fresh water (CMD):	198.64 m3/day (One time)							
	Recycled water - Flushing (CMD):	65.13 m3/day							
	Recycled water - Gardening (CMD):	NA							
	Swimming pool make up (Cum):	NA							
	Total Water Requirement (CMD) :	133.51 m3/day							
	Fire fighting - Underground water tank(CMD):	250 m3							
	Fire fighting - Overhead water tank(CMD):	90 m3							
	Excess treated water	109.13 m3/day							
Details of Swimming pool (If any)	NA								
33.Details of Total water consumed									
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Water Requirement	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

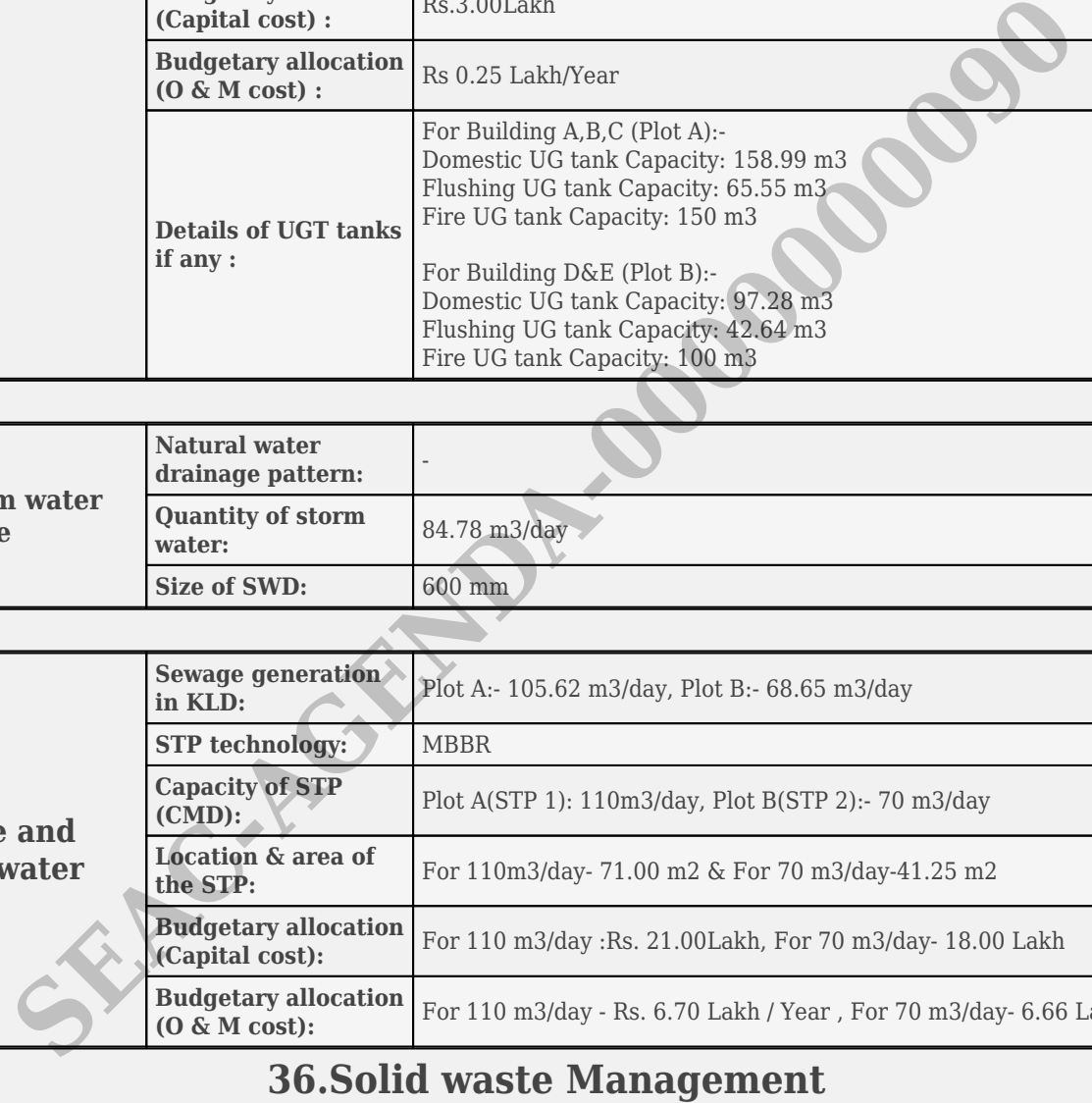

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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	Summer Season - 12.25 m. to 15.50 m. BGL. (13.38 M. Average) Rainy Season - 4.50 m. to 7.75 BGL. (6.13 M. Average) Winter Season - 8.38 m. to 11.63 m. BGL. (10.01 M. Average)
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	3 Nos.
	Size of recharge pits :	2.0 M X 2.0 M X 1.5 M
	Budgetary allocation (Capital cost) :	Rs.3.00Lakh
	Budgetary allocation (O & M cost) :	Rs 0.25 Lakh/Year
Details of UGT tanks if any :	For Building A,B,C (Plot A):- Domestic UG tank Capacity: 158.99 m3 Flushing UG tank Capacity: 65.55 m3 Fire UG tank Capacity: 150 m3 For Building D&E (Plot B):- Domestic UG tank Capacity: 97.28 m3 Flushing UG tank Capacity: 42.64 m3 Fire UG tank Capacity: 100 m3	
35.Storm water drainage	Natural water drainage pattern:	-
	Quantity of storm water:	84.78 m3/day
	Size of SWD:	600 mm
Sewage and Waste water	Sewage generation in KLD:	Plot A:- 105.62 m3/day, Plot B:- 68.65 m3/day
	STP technology:	MBBR
	Capacity of STP (CMD):	Plot A(STP 1): 110m3/day, Plot B(STP 2):- 70 m3/day
	Location & area of the STP:	For 110m3/day- 71.00 m2 & For 70 m3/day-41.25 m2
	Budgetary allocation (Capital cost):	For 110 m3/day :Rs. 21.00Lakh, For 70 m3/day- 18.00 Lakh
	Budgetary allocation (O & M cost):	For 110 m3/day - Rs. 6.70 Lakh / Year , For 70 m3/day- 6.66 Lakh / Year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	50kg/day
	Disposal of the construction waste debris:	Use for Leveling
Waste generation in the operation Phase:	Dry waste:	Plot A: -179 kg/day, Plot B: - 113 kg/day
	Wet waste:	A: - 261 kg/day, Plot B: - 170 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Plot A: -9.51 kg/day, Plot B: - 6.17 kg/day
	Others if any:	-
		
  		

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:	-
Area requirement:	Location(s):	-
	Area for the storage of waste & other material:	OWC 1: 41 m2 & OWC 2: 34 m2 including machinery area
	Area for machinery:	-
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	For 375 kg/day(OWC 1)- Rs12.75 Lakh, For 250 kg/day(OWC 2)- Rs. 12.00 Lakh
	O & M cost:	For 375 kg/day(OWC 1)-- Rs.2.50Lakh / Year , For 250 kg/day(OWC 2)- Rs.2.30 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 sent 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

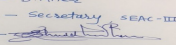
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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	125 KVA - 1 No.	HSD-22.00 Lit./hr	S-1	6.5	will be provided	will be provided
2	62.5 KVA - 1 No	HSD-13.00 Lit./hr	S-2	5.5	will be provided	will be provided

40. Details of Fuel to be used

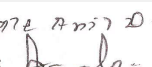

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	Not applicable	35 lit/hr	35 lit/hr

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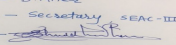
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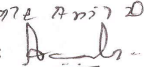
Shri. Anil Kale (Chairman SEAC-III)

41.Source of Fuel		Bharat Petroleum Corporation Ltd/ Hindustan Petroleum		
42.Mode of Transportation of fuel to site		By Roadways		
43.Green Belt Development	Total RG area :	937.27m2		
	No of trees to be cut :	NA		
	Number of trees to be planted :	153 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	Bauhinia tomentosa	Yellow Bauhinia	15	Small tree known to have antimicrobial activity.
2	Gmellina arborea	White Teak	8	Fast growing deciduous tree
3	Putranjiva roxburghii	Putranjiva	5	Evergreen & ornamental tree with medicinal values.
4	Azadiracta indica	Neem	4	Fast growing used for medicinal purpose & pest control.
5	Anthocephalus cadamba	Kadamba	10	It has orange flowers & attracts bees, butterflies & birds.
6	Erithrina indica	Silk Cotton Tree	3	Medium sized flowering trees.
7	Pongamia glarba	Indian Beech	8	Tree has medicinal properties.
8	Artocarpus heterophyllus	Jackfruit	6	Hugh Fruit bearing tree attracts birds.
9	Plumeria alba	White Frangipani	17	Ornamental & flowering tree.
10	Bauhinia blakeana	Kanchan	5	Evergreen & flowering tree & is a spectacular trees.
11	Cassia fistula	Bahava	15	Ornamental tree with yellow flowers.
12	Fishtail palm	Palm	28	Unique looking tree & largely used in landscape designs.
13	Nyctanthes arbortristis	Parijatak	10	Ornamental with fragrant flowers attracts birds & butterflies.
14	Mangifera indica	Mango	6	Evergreen with huge canopy & fruit bearing tree.
15	Tabubia rosea	Tabubia	13	Deciduous tree with spreading crown.
45.Total quantity of plants on ground				
46.Number and list of shrubs and bushes species to be planted in the podium RG:				
Serial Number	Name	C/C Distance	Area m2	
1	-	-	-	
47.Energy				

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S.D.Aher (Secretary SEAC-III)

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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	1 no. x 40 KVA
	During Operation phase (Connected load):	1199 KW
	During Operation phase (Demand load):	692 KW
	Transformer:	Plot A:- 22KV/630 KVA - 1 No and Plot B:- 22KV/200 KVA - 1 No
	DG set as Power back-up during operation phase:	Plot A: - 125 KVA - 1 No. and Plot B: - 62.5 KVA - 1 No
	Fuel used:	For 125 KVA :- 22.00 Lit./hr for 100% load and For 62.5 KVA :- 13.00 Lit./hr for 100% load
	Details of high tension line passing through the plot if any:	NA

48. Energy saving by non-conventional method:

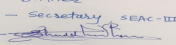
- Solar water heating systems will be done for bathrooms.
- Solar lights will be provided for common amenities like Street lighting & Garden lighting.
- LED based lighting will be done in the common areas, landscape areas, signage's, entry gates and boundary compound walls etc.
- Auto Timer switches will be provided for Street lights, Garden lights, Parking & staircase Lights & other common area Lights, for saving electrical energy.
- Water level controllers with timers will be used for Water pumps.
- To create awareness to end consumer or flat owner, for using energy efficient light fittings like LED lights

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.	57.75 KWH/DAY
2	Up Lighter - Light Fitting For Landscape Area.	0.96 KWH/DAY
3	Bollard Lighter - Light Fitting For Landscape Area.	0.7 KWH/DAY
4	Solar Street Light Fitting - Pole Light On Road Side.	6 KWH/DAY
5	Street Light on the Bldg.	3.6 KWH/DAY
6	Energy Saving by Solar Hot Water System.	1061.25 KWH/DAY

50. Details of pollution control Systems

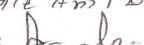

Source	Existing pollution control system	Proposed to be installed
Air	-	Green belt will be provided.
Water	-	STP will be installed & excess treated water used for flushing & gardening

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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

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs 31.74 Lakh
	O & M cost:	Rs 0.91 Lakh / year.

51.Environmental Management plan Budgetary Allocation

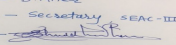
a) Construction phase (with Break-up):

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 (110 m3/day)	STP 1(For Plot A)	21.00 Lakh	6.70 Lakh/Year
2	STP (70 m3/day)	STP 2(For Plot B)	18.00 Lakh	6.66 Lakh/Year
3	RWH	Rain water Harvesting	3.00 Lakh	0.25 Lakh/Year
4	MSW (375 Kg/day)	OWC 1(For Plot A)	12.75 Lakh	2.50 Lakh/Year
5	MSW (250 Kg/day)	OWC 2(For Plot B)	12.00 Lakh	2.30 Lakh/Year
6	Solar System	-	31.74 Lakh	0.91 Lacks / year.
7	Landscaping	-	18.00 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	-	-	1.69 Lakh/Year

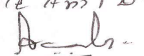
51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)

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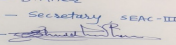
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52. Any Other Information

No Information Available

53. Traffic Management

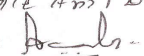
	Nos. of the junction to the main road & design of confluence:	-
Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	8341.40 m ²
	Area per car:	40.88 m ²
	Area per car:	40.88 m ²
	Number of 2-Wheelers as approved by competent authority:	610
	Number of 4-Wheelers as approved by competent authority:	204
	Public Transport:	NA
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8(a)
	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 proposed project at S. No. 41A/2/1/1 Wadgaon (Bk.) by **M/s Kedar Associates.**

PP submitted their application for Prior Environmental clearance for total plot area of 10500 Sq. Mtrs, BUA of 27366.15 Sq. Mtrs and FSI area of 16193.39 Sq. Mtrs. PP proposes to construct 5 no Residential building (wing).

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

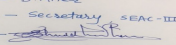
PP requested for time to submit above information; after deliberations committee asked PP to comply with the above observations and submit information to the committee for further discussion and consideration of SEAC.

Specific Conditions by SEAC:

- 1) PP to provide separate entry exit considering commercial area to be isolate.
- 2) PP to submit fire tender movement plan. Movement at upper level considering lower level separately.
- 3) PP to submit cross section of drive way at 4-5 places. Along with slop and width of ramp.
- 4) PP to submit redesign of OWC.
- 5) PP to submit cross sections of lower parking and keep 1.5 m clear distance above the ground.
- 6) PP to submit parking statement and layout plan.
- 7) PP to submit E Waste NOC
- 8) PP to shift UGT so as not to keep it near Nallah.
- 9) PP to submit revised STP design.
- 10) PP to socioeconomic infrastructure of the surrounding areas.
- 11) PP to submit site specific EMP.

FINAL RECOMMENDATION

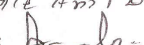
SEAC-III decided to defer the proposal till PP submits the additional information as per above conditions within 30 days

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

S.D.Aher (Secretary SEAC-III)

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

Agenda for 65 th (A) meeting of SEAC-3.

SEAC Meeting number: 65 Meeting Date June 5, 2018

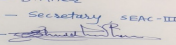
Subject: Environment Clearance for Kumar Peninsula, Pashan, Pune

Is a Violation Case: No

1.Name of Project	Kumar Peninsula
2.Type of institution	Private
3.Name of Project Proponent	Kumar Company
4.Name of Consultant	Enviro Analysts & Engineers Pvt. Ltd.
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	Not applicable
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	S. No.135
9.Taluka	Haveli
10.Village	Pashan
Correspondence Name:	Kumar Capital
Room Number:	2413
Floor:	NA
Building Name:	NA
Road/Street Name:	East Street
Locality:	Camp
City:	Pune 411001
11.Area of the project	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Commencement Certificate dated 25th Nov 2013
	IOD/IOA/Concession/Plan Approval Number: Commencement Certificate no.CC/2611/13
	Approved Built-up Area: 43854.12
13.Note on the initiated work (If applicable)	Work of Buildings A and B was completed as per available plot potential
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	13434.88 sq. m.
16.Deductions	3542.40 sq. m.
17.Net Plot area	9892.48 sq. m.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 18739.63
	b) Non FSI area (sq. m.): 25114.50
	c) Total BUA area (sq. m.): 43854.12
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.):
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	2240.24
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	16.6
21.Estimated cost of the project	1136400000

22.Number of buildings & its configuration

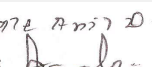

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
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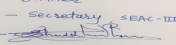
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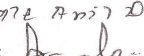
1	Building A (existing)	Lower Basement + Upper Basement + 11 floors	34.2	
2	Building B (existing)	Lower Basement + Upper Basement + 11 floors	34.2	
3	Building C	Lower Basement + Upper Basement + 11 floors	34.95	
4	Building D	Lower Basement + Upper Basement + 11 floors	34.95	
23.Number of tenants and shops		Tenants: 172 nos.		
24.Number of expected residents / users		1034		
25.Tenant density per hectare		128.35		
26.Height of the building(s)				
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))		Aundh Fire Brigade Station (2 km towards North-East) Access through 20m wide DP road.		
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation		Minimum turning radius of 6 m is provided for fire tender movement		
29.Existing structure (s) if any		Building A and B		
30.Details of the demolition with disposal (If applicable)		NA		
31.Production Details				
Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable
32.Total Water Requirement				

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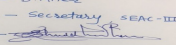
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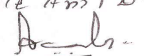

Dry season:	Source of water	PMC water and recycled water from STP							
	Fresh water (CMD):	47							
	Recycled water - Flushing (CMD):	24							
	Recycled water - Gardening (CMD):	5							
	Swimming pool make up (Cum):	73							
	Total Water Requirement (CMD) :	76							
	Fire fighting - Underground water tank(CMD):	NA							
	Fire fighting - Overhead water tank(CMD):	40							
	Excess treated water	35							
Wet season:	Source of water	PMC water, rainwater and STP recycled water							
	Fresh water (CMD):	47							
	Recycled water - Flushing (CMD):	24							
	Recycled water - Gardening (CMD):	0							
	Swimming pool make up (Cum):	73							
	Total Water Requirement (CMD) :	71							
	Fire fighting - Underground water tank(CMD):	NA							
	Fire fighting - Overhead water tank(CMD):	40							
	Excess treated water	39							
Details of Swimming pool (If any)	Size: 12.25 m x 5.25 m x 1.2 m (Depth) • Plant & Machinery used for treatment of Swimming pool water: pressure sand filter, Dosing pump for chlorination, pH correction, alum addition (maximum dosing flow - 1-6 lph) • Details of quality to be achieved for swimming pool water and parameters to be monitored: pH 7.1-7.5, chlorine level- 1-3ppm								
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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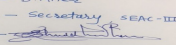
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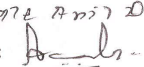
34.Rain Water Harvesting (RWH)	Level of the Ground water table:	11 m below ground level
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	4 nos.
	Size of recharge pits :	2 m x 1.5 m x 3.5 m (depth)
	Budgetary allocation (Capital cost) :	250000
	Budgetary allocation (O & M cost) :	25000
	Details of UGT tanks if any :	Domestic water: 47 m3 Flushing water: 24 m3 Fire water: 100 m3 (existing tank of building A and B)
35.Storm water drainage	Natural water drainage pattern:	From North-West to South-East
	Quantity of storm water:	167 ltrs./ sec.
	Size of SWD:	450 mm x 350 mm
Sewage and Waste water	Sewage generation in KLD:	64.0
	STP technology:	MBBR
	Capacity of STP (CMD):	1 no. Capacity: 70 KLD
	Location & area of the STP:	Location: Ground floor; Area: 52 sq. m.
	Budgetary allocation (Capital cost):	Rs. 1750000/-
	Budgetary allocation (O & M cost):	Rs. 437500/-
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Cement Bags: 9540 bags; Paint Container (20L): 954 nos.; Scrap Metal Generated: 3 MT; Broken Tiles: 795 sq. m.
	Disposal of the construction waste debris:	Cement Bags: Hand over to recyclers; Paint container (20L): To be handed over to recycler; Scrap metal generated: 100 % to be sold for recycling; Broken Tiles: Waste tiles to be used for skirting. Broken pieces to be used for china mosaic waterproofing of terrace.
Waste generation in the operation Phase:	Dry waste:	207 kg/ day
	Wet waste:	310 kg/ day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	3.2 m3
	Others if any:	NA

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Mode of Disposal of waste:	Dry waste:	Handover to local authorized dealers
	Wet waste:	Processing in OWC system and use of obtained manure for landscaping
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Processing in OWC system and use of obtained manure for landscaping
	Others if any:	NA
Area requirement:	Location(s):	Ground floor
	Area for the storage of waste & other material:	1.65 sq. m. each day
	Area for machinery:	3.0 sq. m.
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 600000/-
	O & M cost:	Rs. 180000/-

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

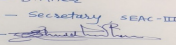
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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

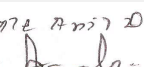

40. Details of Fuel to be used

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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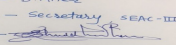
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43.Green Belt Development	Total RG area :	1289.72 sq. m.
	No of trees to be cut :	NA
	Number of trees to be planted :	172
	List of proposed native trees :	Shirish, bahava, krushna kamal, palas, satvin etc.
	Timeline for completion of plantation :	2 years

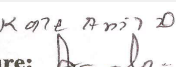

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Dillenia Ceiba	Karmal	13	This is a medicinal tree. In Ayurveda it is used to prepare various medicines. It is a non-toxic tree.
2	Albizia Iebbeck	Shirish	11	Albizia Lebbeck is a medicinal tree native to India which is found throughout country. In Ayurveda it is used to prepare various medicines. It is a non-toxic tree. This tree contains alkaloids, tannins, saponins and flavonoids which has medicinal action. It is a nitrogen fixing tree. In Ayurveda its use is specially indicated in treating bites and stings from poisonous animals such as snake.
3	Bauhinia Purpurea	Mountain Ebony	19	Its bark is alternative, anthelmintic, astringent and tonic. The juice of the bark is used in the treatment of amoebic dysentery, diarrhoea and other stomach disorders.
4	Saraca Asoka	Sita Ashok	6	The bark of Ashoka Tree is used for its medicinal value and it is reported to have a stimulating effect on the endometrium and ovarian tissue.
5	Cassia Fistula	Bahava	12	It is used medicinally for treating constipation, common cold, chlorosis and urinary disorders. Its leaves are effective against herpes simplex and the bark of Cassia is one of the ingredients in ayurvedic and other traditional medicine antidiabetic formulations.
6	Plumeria Rubra	Red Champa	7	The plant is used for ornamental purpose. Its generally kep indoor in living room and in terrace area.
7	Plumeria Alba	White Champa	6	It is used in the treatment of blennorrhagia, herpes and syphilis[348]. The root bark is used externally as a lotion on syphilitic ulcers.

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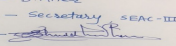
8	Lagerstromia Regiena	Taman	14	In Vietnam the plant's young leaves are consumed as vegetables, and its old leaves and mature fruit are used in traditional medicine for reducing glucose in blood.
9	Erythrina Variegata	Pangara	17	Its bark and leaves are used in alternative medicine.
10	Dalbergia Sissoo	Sissoo	9	After teak, it is the most important cultivated timber tree, The tree is useful as a shade tree for tea plantations.
11	Alstonia Scholaris	Satvin	15	It is suitable in nature and the tree grows rapidly and is easy to cultivate.
12	Butea Monosperma	Palas	10	It is used for timber, fodder and medicine. The wood is dirty white and soft and, being durable under water, is used for well-curbs and water scoops. Good charcoal can be obtained from it. The leaves are usually very leathery and not eaten by cattle.
13	Cordia Dichtoma	Bokar	14	This has medicinal properties. It is often cultivated for its fruits throughout the range of its natural distribution.
14	Azadirachta Indica	Kadu limb	15	This is noted for its drought resistance. Normally it thrives in areas with sub-arid to sub-humid conditions. It is a typical tropical to subtropical tree and exists at annual mean temperatures between 21-32 °C (70-90 °F). It can tolerate high to very high temperatures.

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

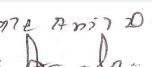

47.Energy

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Power requirement:	Source of power supply :	Maharashtra State Electricity Board
	During Construction Phase: (Demand Load)	50 kW
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	2991 kW
	During Operation phase (Demand load):	887 kW
	Transformer:	630 KVA, 1 no.
	DG set as Power back-up during operation phase:	Existing 180 KVA DG set shall be used.
	Fuel used:	High speed diesel
	Details of high tension line passing through the plot if any:	NA

48. Energy saving by non-conventional method:

1. Flat lighting on LED
2. Common area lighting on LED
3. External lighting on LED
4. Lower and upper floor parking with CFL
5. Use of VFD for lifts
6. Solar water heaters
7. Solar net metering

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Flat lighting on LED	41
2	Common area lighting on LED	41
3	External lighting on LED	41
4	Lower and upper floor parking with CFL	41
5	Use of VFD for lifts	20
6	Solar water heaters	51
7	Solar net metering	100

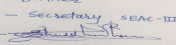
50. Details of pollution control Systems

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:	Rs. 2100000/-
	O & M cost:	Rs. 100000/-

51. Environmental Management plan Budgetary Allocation

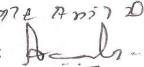
a) Construction phase (with Break-up):

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Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air environment	Water sprinkling	0.75
2	Socio-economic environment	Safety measures and first aid facilities	0.5
3	Water environment	Toilets and sanitary facilities	1.75

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Water environment	STP	17.5	4.5
2	Water conservation	Rainwater harvesting pits	2.5	0.25
3	Consumption of renewable energy	Solar water heaters	15	0.5
4	Consumption of renewable energy	Solar PV panels	9.0	0.4
5	Solid waste management	Organic waste converter	6.0	1.8
6	Green belt development	Landscaping	5.0	0.5

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

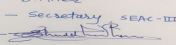
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

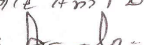
Nos. of the junction to the main road & design of confluence:	Entry and exit; minimum 6 m wide internal road and turning radius 7.5 m
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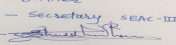
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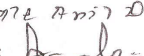
Parking details:	Number and area of basement:	Total 8 nos. (basement and upper basement of each building A,B,C,D). Total area:
	Number and area of podia:	NA
	Total Parking area:	5540.4 sq. m.
	Area per car:	12.5 sq. m.
	Area per car:	12.5 sq. m.
	Number of 2-Wheelers as approved by competent authority:	432
	Number of 4-Wheelers as approved by competent authority:	346
	Public Transport:	PMPML buses, Auto, Taxi etc.
	Width of all Internal roads (m):	At least 6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8(a) Category B
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	29-01-2018
SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS		
Summorisred in brief information of Project as below.		
Brief information of the project by SEAC		

Name - S.D.Aher
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Shri. Anil Kale (Chairman SEAC-III)

Environment Clearance for Kumar Peninsula, Pashan, Pune at S. No.135
Pashan by **M/s. Kumar Company.**

PP submitted their application for Environmental clearance for total plot area of 13434.88 Sq. Mtrs, BUA of 43854.12 Sq. Mtrs and FSI area of 18739.63 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

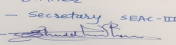
During discussion PP stated that work/construction of building A & B was completed as per available plot potential and for the same & got Commencement Certificate vide dated 25 Nov 2013. Committee ask PP to submit details of area constructed at site along with FSI & Non FSI breakup.

SEAC decided to defer the proposal and consider a fresh.

Specific Conditions by SEAC:

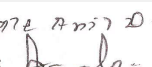
FINAL RECOMMENDATION

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

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S.D.Aher (Secretary SEAC-III)

SEAC Meeting No: 65 Meeting Date: June 5, 2018

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

Agenda for 65 th (A) meeting of SEAC-3.

SEAC Meeting number: 65 Meeting Date June 5, 2018

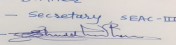
Subject: Environment Clearance for Proposed hill station type area development "The Green Butterfly" project at villages Telbaila, Majgaon and Saltar by Satind Infrastructures Pvt. Ltd.

Is a Violation Case: No

1.Name of Project	The Green Butterfly
2.Type of institution	Private
3.Name of Project Proponent	Smt. Taranjit Anand Director Satind Infrastructures Pvt. Ltd.
4.Name of Consultant	Aditya Environmental Services Pvt. Ltd.
5.Type of project	Hill station type area development.
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	List of survey number is attached as Annexure 1
9.Taluka	Mulshi
10.Village	Villages Telbaila, Majgaon and Saltar
11.Area of the project	Other area
12.IOD/IOA/Concession/Plan Approval Number	Approval from Urban Development, Department Govt. Of Maharashtra, vide notification no TPS1813/3302/CR-573 and TPS -1895/2247/CR-26/95/UD-13 declaring the specified area, three villages as a hill station development. IOD/IOA/Concession/Plan Approval Number: Approval from Urban Development, Department Govt. Of Maharashtra, vide notification no TPS1813/3302/CR-573 and TPS -1895/2247/CR-26/95/UD-13 declaring the specified area, three villages as a hill station development. Approved Built-up Area: 2096820
13.Note on the initiated work (If applicable)	No work has been initiated
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	TPS1813/3302/CR-573 and TPS -1895/2247/CR-26/95/UD-13
15.Total Plot Area (sq. m.)	97,94,100 m ²
16.Deductions	4,55,100 m ²
17.Net Plot area	93,39,000 m ²
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 18,96,829 m ²
	b) Non FSI area (sq. m.): 1,99,992 m ²
	c) Total BUA area (sq. m.): 20,96,820 m ²
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)	1170372
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	12 %
21.Estimated cost of the project	9465000000

22.Number of buildings & its configuration

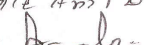
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Small Villa Plots (525 sq m) 2000 unit	G + 1	9

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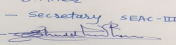
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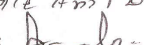
2	Medium Villa Plots (800 sq m) 1300 units	G + 1	9
3	Luxury villa Plots (1000 sq m) 800 units	G + 1	9
4	Service Quarters 1948 units	G + 7	24
5	Commercial AVGC Park 1 unit	G + 6	21
6	City Office 1 unit	G + 2	12
7	Office Complex 2 units	G + 2	12
8	Hill Street Shoppee 1 unit	G + 2	12
9	Service Industries 2 unit	G + 2	12
10	University 2 unit	G+ 2	12
11	Craft center 1 unit	G + 2	12
12	Cultural Center & Cineplex	G+ 2	12
13	Convention Center	G+ 2	12
14	Residential School	G+ 2	12
15	Primary + Secondary School	G+2	12
16	Multi specialty	G+ 2	12
17	Auditorium	G+ 2	12
18	City Club	G+ 2	12
19	Hotels < 3 star 5 nos Business Hotels	G + 3	12
20	Hotels > 3 star 3 nos Luxury Hotels & Convention centre	G + 4	16
21	Hotels > 3 star 1 nos Valley View Resorts	G + 4	16
23.Number of tenants and shops	Residential Residential Villas: 4,100 units Service quarters: 1948 units Total : 6048 units. Public Semi-public/Hotels Hotels (9): 2297 rooms Universities: 3 Residential School+School: 3 Hospital: 1 Commercial: AVGC Park: 1 Office complex: 2, Hill street shops City office: 1 Bank, Fire station, Petrol Pump, Police station: 1 each Service industries: 2. Office: 2		
24.Number of expected residents / users	Residential: 20,500 Hotels: 4830 Public-Semi-public: 10,377 Service quarters:9,739 Commercial:18954 Service Industries: 6273 Total population: 70,672 nos.		
25.Tenant density per hectare	Residential: 6.17 Tenement/hectare 30.87 Tenants/hectare		
26.Height of the building(s)			

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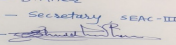
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	36 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Minimum road width (tertiary roads) in the project premises is of 12 m has been proposed thus turning radius is more than 9 m for entire project.
29.Existing structure (s) if any	Gaothan of three villages (Saltar, Teilbaila and Majgaon) are coming in Project area which will be retained as it is and around 200 buffer zone with ROW is left as per approval.
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

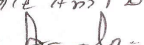
Dry season:	Source of water	Proposed Water reservoirs(Rain water) (12 nos)
	Fresh water (CMD):	4728 m3/day
	Recycled water - Flushing (CMD):	2625 m3/day
	Recycled water - Gardening (CMD):	3295 m3/day
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	11015m3/day including HVAC water
	Fire fighting - Underground water tank(CMD):	Details of individual UGW tank will be calculated during detail designing of individual unit
	Fire fighting - Overhead water tank(CMD):	Details of individual OHW tank will be calculated during detail designing of individual unit
	Excess treated water	00 m3/day

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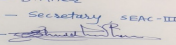
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Wet season:	Source of water	Proposed Water reservoirs(Rain water) (12 nos)
	Fresh water (CMD):	4728 m3 / d a y
	Recycled water - Flushing (CMD):	2625 m3/day
	Recycled water - Gardening (CMD):	00m3/day
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	7720m3/day including HVAC
	Fire fighting - Underground water tank(CMD):	details of individual UGW tank will be calculated during detail designing of the unit
	Fire fighting - Overhead water tank(CMD):	Details of individual OHW tank will be calculated during detail designing of individual unit
Excess treated water	3295 m 3 /day	
Details of Swimming pool (If any)	Details of the dimension of the swimming pool plant and machinery used for the treatment of swimming pool water will be dependent on the design of the individual unit and their need for such requirement . it will be calculated during detail designing of each unit	

33.Details of Total water consumed

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

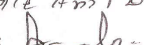
34.Rain Water Harvesting (RWH)	Level of the Ground water table:	pre-monsoon approx. 4m bgl post monsoon approx.0.5 mbgl
	Size and no of RWH tank(s) and Quantity:	RWH tanks are not proposed , 5 check dams and 12 water bodies have been proposed
	Location of the RWH tank(s):	NA, location of check dams and reservoirs are given in master plan
	Quantity of recharge pits:	75 recharge pits with borewell of 30 m
	Size of recharge pits :	3mx3mx2m
	Budgetary allocation (Capital cost) :	Check dams - Rs. 2,50,000,000 , Rain water harvesting reservoirs
	Budgetary allocation (O & M cost) :	7,50,000
	Details of UGT tanks if any :	Two water treatment plants of 3 MLD in Northern part and 2 MLD in southern part of project has been proposed. ESR of different capacities are proposed from where the water will be supplied to entire premises. Details of individual UGT tank will be calculated during detailed designing of each component.

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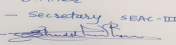
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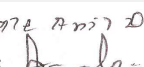
35.Storm water drainage	Natural water drainage pattern:	The storm water collected through the existing streams/ravines and additional storm water drains of adequate capacity will be led to recharge pits/ check dams and water reservoirs.
	Quantity of storm water:	2,61,49,200 cum
	Size of SWD:	Details are given in the EIA report
Sewage and Waste water	Sewage generation in KLD:	6617 m3/day
	STP technology:	Phytorid Technology
	Capacity of STP (CMD):	32 no.s of STPs of Phytorid Technology+ 1 ETP/ STP proposed for hospital having total capacity 6618 m3/day
	Location & area of the STP:	Area and location has been shown in master layout
	Budgetary allocation (Capital cost):	Rs. 25,50,00,060 /-
	Budgetary allocation (O & M cost):	Rs.65,98,000/-
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	1000 kg/day (Dry +wet)
	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:	8.08 tonnes/day
	Wet waste:	9.76 tonnes/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	0,077 tonnes /day
	STP Sludge (Dry sludge):	115 kg/day
	Others if any:	E-waste- 0.089 tonnes/day

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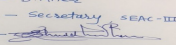
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Mode of Disposal of waste:	Dry waste:	Dry waste will be further segregated into recyclable and non-recyclable. Recyclable waste like plastic and PET will be compressed through a baler machine and will be stored on site for further handover to authorized recyclers. Other non recyclable material with high calorific value will be treated by the method of pulverization and the pellets will be used for firing in boilers of hotels. The non-recyclable like sanitary wastes will be incinerated on site through an incinerator. A baler machine
	Wet waste:	Biodegradable waste will be treated in Biogas plant and Organic Waste Converter. One biogas plant has been proposed to treat the biodegradable waste generating from Hotels, Universities, Residential schools, Restaurants etc. around 57% of biodegradable waste will be get treated with Bio-methanation method. Around 43% of organic waste will be treated in organic waste convertor. Total 9 OWCs are proposed to treat the biodegradable waste generating from residential area, day school and city club.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	Authorized vendor
	STP Sludge (Dry sludge):	STP sludge from Phytoid Technology STP will be fed to Biogas
	Others if any:	E-waste: Agreement for management and disposal has been done with Hi-tech Recyclers.
Area requirement:	Location(s):	Locations of OWC and Biogas are provided in master layout
	Area for the storage of waste & other material:	Area and locations are given in the master layout
	Area for machinery:	Details are given in the master layout
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	1) OWC: Approx. Capital Cost: Rs.1,42,25,000/- 2) Sanitary Napkin Incinerator: Approx. Capital Cost: Rs. 8,70,000 /- 3) Smart Baler Machine : Approx. Capital Cost: Rs. 9,90,000/- 4) Biogas: Approx. Capital Cost: Rs. 1,93,00,000 /-
	O & M cost:	1) OWC: Approx. O & M Cost: 27,84,848/- 2) Sanitary Napkin Incinerator: Approx.O & M Cost:5,17,978/- 3) Smart Baler Machine : Approx.O & M Cost: 8,53,910 /- 4) Biogas: Approx.O & M Cost:18,96,000 /-

37.Effluent Charecterestics

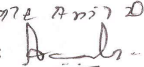
Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	NA	6.5 to 7	6 to 6.5	5.5-9
2	TSS	mg/l	300 to 400	<10	100
3	BOD	mg/l	200 to 270	<10	30
4	COD	mg/l	500 to 560	<30	250
5	O & G	mg/l	15 to 20	<05	<10
Amount of effluent generation (CMD):		83			
Capacity of the ETP:		83			
Amount of treated effluent recycled :		50			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Details are given in EIA report			
Disposal of the ETP sludge		ETP sludge will be disposed to CHWTF			

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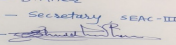
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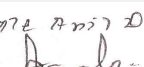

38.Hazardous Waste Details							
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
39.Stacks emission Details							
Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases	
1	96 no.s of DG sets of 1000 KVA	Approx. 153.30 Kg/hr per DG set	96	6.3m	10 inches	500-400 Deg Celsius	
2	4 no.s of DG sets of 750 KVA	Approx.130.4 Kg/hr per DG set	4	5.4 m	8 inches	500-400 Deg Celsius	
3	8 no.s of DG sets of 500 KVA	Approx.160 Kg/hr per DG set	8	4.4 m	6 inches	500-400 Deg Celsius	
4	3 no.s of DG sets of 400 KVA	Approx.160 Kg/hr per DG set	3	4.0 m	6 inches	500-400 Deg Celsius	
5	4 no.s of DG sets of 320 KVA	Approx.160 Kg/hr per DG set	4	3.5 m	6 inches	500-400 Deg Celsius	
6	6 no.s of DG sets of 250 KVA	Approx.31.8 Kg/hr per DG set	6	3.16 m	5 inches	500-400 Deg Celsius	
7	23 no.s of DG sets of 600 KVA	Approx.160 Kg/hr per DG set	23	4.8 m	6 inches	500-400 Deg Celsius	
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		Petrol pump in the premise					
42.Mode of Transportation of fuel to site		By road					
43.Green Belt Development							
		Total RG area :	908.48 Acres (39.36%)				
		No of trees to be cut :	No tree will be cut. Only shrubs coming under building foot print or road will be cut.				
		Number of trees to be planted :	2.75 Lakhs				
		List of proposed native trees :	Detailed list is attached as Annexure No.2				
		Timeline for completion of plantation :	12-15 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	Detailed list is attached as Annexure no. 2	Detailed list is attached as Annexure no. 2	Detailed list is attached as Annexure no. 2	Detailed list is attached as Annexure no. 2			
45.Total quantity of plants on ground							
46.Number and list of shrubs and bushes species to be planted in the podium RG:							

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

47. Energy

Power requirement:	Source of power supply :	MSEDCL/Tata Power
	During Construction Phase: (Demand Load)	Details are given in EIA report
	DG set as Power back-up during construction phase	Total 37 DG sets have been proposed during construction Phase of following capacities 1000 kVA-11 nos. , 750 kVA-3 nos., 600 kVA-13 nos. , 500 kVA-3 nos. , 400 kVA-3 nos., 320 kVA-2 nos. , 250 kVA-2 nos.
	During Operation phase (Connected load):	223 MW
	During Operation phase (Demand load):	166 MVA
	Transformer:	Receiving station has been proposed
	DG set as Power back-up during operation phase:	Total 144 DG sets has been proposed: Details are as follows - 1) 1000 KVA - 96 DG sets 2) 750 KVA - 4 DG sets 3) 600 KVA - 23 DG sets 4) 500 KVA - 8 DG sets 5) 400 KVA-3 DG sets 6) 320 KVA-4 DG sets 7) 250 KVA- 6 DG sets
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48. Energy saving by non-conventional method:

- Around 35 to 40 % power requirement will be met through Green Energy, with combination of solar PV and wind mills.
- Each residential villa, will have 1.5 kWp to 10 kWp Solar PV and combination of wind and Solar PV power generating unit.
- Commercial complexes such as hotels, hospitals, office complex, office complex, University campus will have minimum 100 to 200 kW -solar PV plant to feed their own requirement.
- Non-buildable area will be explore for installation of solar PV plant.
- Power gener

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Use of renewable energy like solar and wind energy	35-40 % energy saving by using renewable energy

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. 250,00,00,000/-
	O & M cost:	Rs. 5,00,00,000/-

51. Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

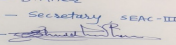
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Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	land environment	Labour camp toilets	20,00,000/-
2	health and safety	labour safety equipment and training	2,00,00,000/-
3	land , water, noise and air environment	Environmental monitoring	7,60,000/-
4	Health and safety	Disinfection and Health Check -ups (per year)	24,90,000/-
5	water environment	Sewage treatment plant (2 no.s)	Capital cost 60,00,000/- O & M cost 9,00,000/-
6	land environment	Organic waste treatment (OWC)	Capital cost 20,25,000/- O & M cost 4,77,855/-
7	water environment	Packaged water treatment plant	30,00,000/-
8	air environment	continuous air monitoring station	Capital cost 1,03,00,000 O & M 7,00,000 /-
9	water environment	Check dams	2,50,00,000/-
10	water environmnet	Reservoirs	15,00,00,000/-

b) Operation Phase (with Break-up):

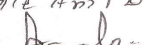
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage treatment plant	32 no.s of STP with Phytoid Technology	25,50,00,060 /-	65,98,000/-
2	OWC	9 OWC machines	1,42,25,000/-	27,84,848/-
3	Sanitary Napkin Incinerator	9 Incinerators	8,70,000 /-	5,17,978/-
4	Smart Baler Machine	9 baler machines	9,90,000/-	8,53,910 /-
5	Biogas	1 biogas plant	1,93,00,000 /-	18,96,000 /-
6	Landscaping	Development and maintenance of Landscape area	41,19,70,000/-	32,95,600/-
7	Rain Water Harvesting	Recharge pits	26,25,000 /-	7,50,000/-
8	Water Treatment Plant	2. no.s of WTPs	8,04,00,000/-	1,22,16,000/-
9	ETP / STP for Hospital	1 ETP-STP proposed for hospital	1,31,00,000/-	30,00,000 /-
10	Solar and Wind Energy	Devices for renewable energy	250,00,00,000/-	5,00,00,000/-
11	Environmental Monitoring	Land, air, noise and waterenvironment	Cost of online monitoring has been considered in construction phase EMP costing.	30,65,000/-

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

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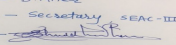
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52. Any Other Information

No Information Available

53. Traffic Management

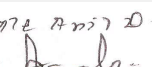

	Nos. of the junction to the main road & design of confluence:	The Major District Road that connects Khalapur and Khopoli to Pali somewhat North to South, parallel and west to the road that presently connects the site from Lonavala and onwards onto Tamhini Ghat. This MDR is a potential future connector, and the PWD's present road map for Raigad District and the Govt. of Maharashtra's own MoU with this development, opens possible opportunities for connecting the lower main road to the Lonavala-Tamhini connector, bringing Mumbai to within 1.0-1.5 hours to th
Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	For visitors around 95000 sq m area has been identified for around 3000 vehicles. In total provision of parking for 12044 number of 4 wheeler and 36132 of 2 wheeler and bicycle is proposed for the project. For private parking facility is set aside in three different areas and will be distributed within each individual sector and applicable villas.
	Area per car:	12.5
	Area per car:	12.5
	Number of 2-Wheelers as approved by competent authority:	36132 of 2 wheelers
	Number of 4-Wheelers as approved by competent authority:	12044 number of 4 wheelers
	Public Transport:	Public transport will be arranged by SIPL. Details are given in EIA report.
	Width of all Internal roads (m):	Internal Road proposed • Arterial Roads - 36m ROW (3-Lane + 3-Lane) • Sub Arterial Roads - 24m & 18m ROW (2-Lane + 2-Lane) • Tertiary Roads - 12m ROW (2-Lane)
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	1) Reserve Forest near Saltar Site adjacent 2) Reserve Forest near Kewani Pathar 5 km - S 3) Reserve Forest near Navghar 5 km - W 4) Reserved Forest near Kadva Dongar 9.30 km - NE 5) Reserved Forest near Morgiri 13 km - NE 6) Reserve Forest near Ponda 14 km- SE

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

S.D.Aher (Secretary SEAC-III)

SEAC Meeting No: 65 Meeting Date: June 5, 2018

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Name: 
Signature: 

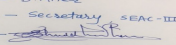
Shri. Anil Kale (Chairman SEAC-III)

	Category as per schedule of EIA Notification sheet	8 b "Townships and Area development"
	Court cases pending if any	1 court case is Pending in Civil Court of Pune
	Other Relevant Informations	<p>This Application is for compliance.</p> <p>As "The Green Butterfly" project was submitted to Dept of Environment, Govt. of Maharashtra dated 20.04.2009 and discussed in 20th SEAC meeting dated 30.11.2009.</p> <p>-On submission of compliance, the proposal was discussed in 43rd SEAC meeting, Project was recommended for prior Environment Clearance dated 18.04.2011.</p> <p>-Project was considered in 40th SEIAA meeting dated 12.10.2011. Authority asked for the final approval of hill station development u/s 20 (4) of the MRTP Act, 1966.</p> <p>-After submission of approval from the Govt. of Maharashtra vide its notification dated 26.11.2015, the case was considered in 96th SEIAA meeting.</p> <p>- Proposal discussed in 47th SEAC-III meeting under EIA Notification as a compliance case. Terms of Reference (ToR) has been issued by Dept. of Environment, Govt. of Maharashtra to supplement earlier EIA studies dated 23.05.2016.</p> <p>-SEAC III hearing has been done in 55th Meeting dated 8.10.2016.</p> <p>- Minutes of meetings has been received dated 19.10.2016.</p>
	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.

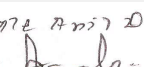

Brief information of the project by SEAC

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

S.D.Aher (Secretary SEAC-III)

SEAC Meeting No: 65 Meeting Date: June 5, 2018

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Name: 
 Signature: 

Shri. Anil Kale (Chairman SEAC-III)

Environment Clearance for Proposed hill station type area development "The Green Butterfly" project at villages Telbaila, Majgaon and Saltar by M/s. Satind Infrastructures Pvt. Ltd

PP submitted their application for Prior Environmental clearance for total plot area of 9794100 Sq. Mtrs, BUA of 2096820 Sq. Mtrs and FSI area of 1896829 Sq. Mtrs.

"The Green Butterfly" project was submitted to Dept of Environment, Govt. of Maharashtra dated 20.04.2009 and discussed in 20th SEAC meeting dated 30.11.2009. On submission of compliance, the proposal was discussed in 43rd SEAC meeting, Project was recommended for prior Environment Clearance dated 18.04.2011. Project was considered in 40th SEIAA meeting dated 12.10.2011. Authority asked for the final approval of hill station development u/s 20 (4) of the MRTP Act, 1966. After submission of approval from the Govt. of Maharashtra vide its notification dated 26.11.2015, the case was considered in 96th SEIAA meeting and referred back to SEAC. So the Proposal was discussed in 47th SEAC-III meeting under EIA Notification as a compliance case. Terms of Reference (ToR) has been issued by SEAC to supplement earlier EIA studies dated 23.05.2016. SEAC III hearing has been done in 55th Meeting dated 8.10.2016.

Now 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.

DECISION OF SEAC

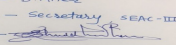
From the next meeting the PP shall make detailed chapter wise presentation regarding EIA studies /ToR . The committee shall perform the site visits as an when necessary. Also, the committee shall try to accommodate the project in subsequent meetings depending upon the availability of the time slots.

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:

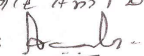
FINAL RECOMMENDATION

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

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

SEAC Meeting No: 65 Meeting Date: June 5, 2018

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