

64 th SEAC -3 Meeting (Day-6)

SEAC Meeting number: 64 Meeting Date April 9, 2018

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

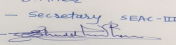
Is a Violation Case: No

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

22.Number of buildings & its configuration

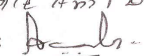
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	17 no. of buildings	P+11	34.65 m

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

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Designation - Secretary SEAC-III
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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)

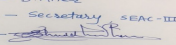
24.Number of expected residents / users	7,200 nos.
25.Tenant density per hectare	845/ha
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	18 m wide road
28.Turning radius for easy access of fire tender movement from all around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

31.Production Details

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

32.Total Water Requirement

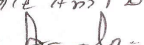
Dry season:	Source of water	Pune Municipal Corporation
	Fresh water (CMD):	642
	Recycled water - Flushing (CMD):	428 m3/day
	Recycled water - Gardening (CMD):	10 m3/day
	Swimming pool make up (Cum):	Not Applicable
	Total Water Requirement (CMD):	1,070 m3/day
	Fire fighting - Underground water tank(CMD):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

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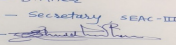
Wet season:	Source of water	Pune Municipal Corporation
	Fresh water (CMD):	642
	Recycled water - Flushing (CMD):	428 m3/day
	Recycled water - Gardening (CMD):	00 m3/day
	Swimming pool make up (Cum):	Not Applicable
	Total Water Requirement (CMD) :	1,070 m3/day
	Fire fighting - Underground water tank(CMD):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

33.Details of Total water consumed

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

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

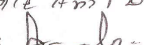
35.Storm water drainage	Natural water drainage pattern:	along with nalla
	Quantity of storm water:	3,844.3 m3
	Size of SWD:	250 mm to 350 mm

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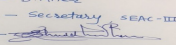
Sewage and Waste water	Sewage generation in KLD:	942
	STP technology:	Extended Aeration System
	Capacity of STP (CMD):	2nos of STP having capacity 1,010 m3/day
	Location & area of the STP:	On Ground
	Budgetary allocation (Capital cost):	Rs. 90 Lakh
	Budgetary allocation (O & M cost):	Rs. 12 Lakh/Year

36.Solid waste Management

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

37.Effluent Charecterestics

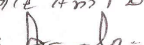
Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

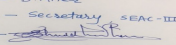
41.Source of Fuel Not applicable

42.Mode of Transportation of fuel to site Not applicable

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

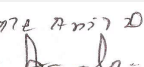

44.Number and list of trees species to be planted in the ground

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

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

45.Total quantity of plants on ground

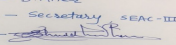
46.Number and list of shrubs and bushes species to be planted in the podium RG:

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

47. Energy

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

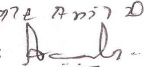
48. Energy saving by non-conventional method:

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CFL and t lamps will be used for common area lighting as these are most efficient light sources available at present.

49.Detail calculations & % of saving:

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

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 30 Lakh
	O & M cost:	Rs. 8 Lakh/Year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

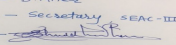
Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	-	-	-

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	2 nos. of STP	90.00	12.00
2	Rain Water Harvesting	15 nos. of recharge pits	3.00	0.30
3	storm Water Networking	-	8.00	0.10
4	Solid waste Management	-	10.00	0.00
5	Green Belt Development	Plantation of trees	1.00	0.12

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

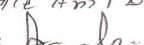
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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52.Any Other Information

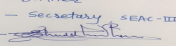
No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1 no.
Parking details:	Number and area of basement:	Not Applicable
	Number and area of podia:	Not Applicable
	Total Parking area:	8,640 m ²
	Area per car:	Not Applicable
	Area per car:	Not Applicable
	Number of 2-Wheelers as approved by competent authority:	1,437 nos.
	Number of 4-Wheelers as approved by competent authority:	Not Applicable
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	7.5 m
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	8(a), B2
	Court cases pending if any	Not Applicable
	Other Relevant Informations	We have received Environmental Clearance vide no. SEAC-201/CR.213/TC.2 dated 14th July,2010. We have applied for EC revalidation on MoEF portal having proposal no.SIA/MH/NCP/10210/2010 dated 18th February, 2016. Now, we are applying for revalidation in Environmental Clearance.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	18-02-2016

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

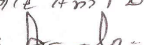
Summorisred in brief information of Project as below.

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Brief information of the project by SEAC

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

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

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

DECISION OF SEAC

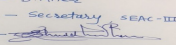
PP requested for time to submit above information; after deliberations committee asked PP to comply with the following observations and submit information to the committee for further discussion and consideration of SEAC.

Specific Conditions by SEAC:

- 1) PP to submit the details a) about completed work and b) about no changes in footprints.
- 2) PP to submit six month compliance report.
- 3) PP to submit fire tender movement plan showing width and radius.
- 4) PP to relocate the STP as located in the drive way.
- 5) PP to submit cross section of fire drives ways at four places also cross section of building showing parking to be provided.
- 6) PP to submit parking layout plans and parking statement showing requirements as per D.C Rules.
- 7) PP to submit details of whether the underground Tank is allowed to be constructed below R.G.
- 8) PP to shift OWC and resubmit STP drawing.
- 9) The STP Location to be shifted (STP-2), underground STP is not allowed.
- 10) The project is not as per the sanctioned plan. PP to submit the project as per the prevailing norms. Approval Plan.
- 11) PP to submit indemnity bond.

FINAL RECOMMENDATION

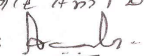
SEAC-III decided to defer the proposal till PP submits the additional information as per above conditions within 30 days

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Subject: Environment Clearance for Construction of 280 quarters including all infrastructural amenities for C.P. Nagpur at Takli, Nagpur.

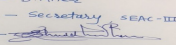
Is a Violation Case: No

1.Name of Project	Construction of 280 quarters including all infrastructural amenities for C.P. Nagpur at Takli, Nagpur.
2.Type of institution	Government
3.Name of Project Proponent	Maharashtra State Police Housing & Welfare Corporation Ltd
4.Name of Consultant	?Fine Envirotech Engineers
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	Survey no. 40,C.T.S. no.-302, Mouza-Policeline Takali.
9.Taluka	Nagpur
10.Village	Nagpur
11.Area of the project	Nagpur Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Sanction of Building permit Commencement Certificates
	IOD/IOA/Concession/Plan Approval Number: 96/BP/Policelinetakli/TP/NMC/220 dated 02.03.2017
	Approved Built-up Area: 18695.00
13.Note on the initiated work (If applicable)	NO
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NMC permit no. 96/BP/Policelinetakli/TP/NMC/220 dated 02.03.2017
15.Total Plot Area (sq. m.)	42927.00 sq. mt.
16.Deductions	Nil
17.Net Plot area	42927.00
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 18695.00
	b) Non FSI area (sq. m.): 8655.50
	c) Total BUA area (sq. m.): 27350.50
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)	6613.69
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	15.40
21.Estimated cost of the project	700000000

22.Number of buildings & its configuration

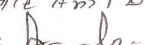
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Residential building -10 nos.	Parking + 7 floors	23.95

23.Number of tenants and shops 280

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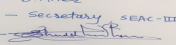
24.Number of expected residents / users	1400
25.Tenant density per hectare	65.26
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	12 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	NA
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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

32.Total Water Requirement

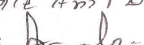
Dry season:	Source of water	Nagpur Municipal Corporation
	Fresh water (CMD):	190
	Recycled water - Flushing (CMD):	63
	Recycled water - Gardening (CMD):	20
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD):	190
	Fire fighting - Underground water tank(CMD):	Nil
	Fire fighting - Overhead water tank(CMD):	250 KLD tank on each building
	Excess treated water	50 KLD UG tank

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Wet season:	Source of water	Nagpur Municipal Corporation
	Fresh water (CMD):	190
	Recycled water - Flushing (CMD):	63
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	190
	Fire fighting - Underground water tank(CMD):	Nil
	Fire fighting - Overhead water tank(CMD):	50 KLD tank on each building
	Excess treated water	50 KLD UG tank

Details of Swimming pool (If any)

NA

33.Details of Total water consumed

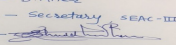
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

34.Rain Water Harvesting (RWH)

Level of the Ground water table:	12 mt.
Size and no of RWH tank(s) and Quantity:	132.50 m3 Top- 10 m x 14 m, Bottom: 7 m x 14 m, Ht: 1 m
Location of the RWH tank(s):	South east corner in plot, Lower contour
Quantity of recharge pits:	132.50 m3
Size of recharge pits :	Top : 10 m x 14 m Ht: 1 m Bottom : 7 m x14 m
Budgetary allocation (Capital cost) :	1.5 Lakhs
Budgetary allocation (O & M cost) :	3.8 Lakhs
Details of UGT tanks if any :	50 KLD UGT

35.Storm water drainage

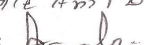
Natural water drainage pattern:	Underground drainage
Quantity of storm water:	980 ltrs/sec.
Size of SWD:	NP class 3 pipes- 200 mm, 300 mm, 400 mm

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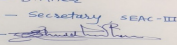
Sewage and Waste water	Sewage generation in KLD:	151
	STP technology:	Johkasou technology which is combination of anaerobic plus aerobic treatment process housed in FRP tanks.
	Capacity of STP (CMD):	160 KLD
	Location & area of the STP:	South East corner in plot & area of STP 18.03 m x 28.90 m
	Budgetary allocation (Capital cost):	92.84 Lakhs
	Budgetary allocation (O & M cost):	6 Lakhs

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	Waste generation:	It includes pre-construction debris and excavated material
	Disposal of the construction waste debris:	Waste includes debris materials (rubble & soil). Part of the soil will be used for leveling if suitable and other waste will be disposed off with authorized contractor as per rules and debris management
Waste generation in the operation Phase:	Dry waste:	280 Kg/day
	Wet waste:	420 Kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	7.56 Kg/day
	Others if any:	NA
Mode of Disposal of waste:	Dry waste:	Dry waste will be handed over to -Authorized recycler
	Wet waste:	Wet waste will be processed in the OWC for manure gardening
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	The sludge generated will be use as manure
	Others if any:	NA
Area requirement:	Location(s):	Ground
	Area for the storage of waste & other material:	----
	Area for machinery:	290 sq.m
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	10 Lakhs
	O & M cost:	4 Lakhs

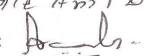
37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

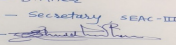
41.Source of Fuel Not applicable

42.Mode of Transportation of fuel to site Not applicable

43.Green Belt Development	Total RG area :	6439.05 sq.mt.
	No of trees to be cut :	NA
	Number of trees to be planted :	200 nos
	List of proposed native trees :	Jamun,Imli,Amla, Royal Palm,Chafa , Badam,Gulmohar,Neem,Bakul,Shetut.
	Timeline for completion of plantation :	One year from grant of the EC

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

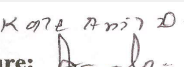

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Syzygium cumini	Jamun	20	Fruit bearing tree
2	Tamarindus indica	Imli	10	Shady tree.
3	Phyllanthus emblica	Amla	20	deciduous tree with fruit bearing
4	Mimusops elengi	Bakul	30	Shady tree, small white fragrant flowers
5	Azadiracta indica	Neem	20	Large tree, good for roadside plant
6	Roystonea regia	Royal Palm	20	Ornamental tree,arge and attractive

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7	Magnolia champaca	Champa	15	It is a tropical, densely foliaceous evergreen plant bearing
8	Prunus dulcis	Badam	15	deciduous tree
9	Delonix regia	Gulmohar	20	Small tree, flowers plant, Butterfly attractive
10	Morus Nigra	Shahtoot	30	Flowering plant

45.Total quantity of plants on ground

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

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

47.Energy

Power requirement:	Source of power supply :	SNDL
	During Construction Phase: (Demand Load)	100 kW
	DG set as Power back-up during construction phase	One DG set of 25 kVA
	During Operation phase (Connected load):	1120 kW
	During Operation phase (Demand load):	896 kW
	Transformer:	3 nos. 315 kVA
	DG set as Power back-up during operation phase:	One DG set of 25 kVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Solar water system (Heating)

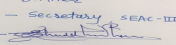
49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	LED lights	15 %
2	stand alone solar lights	stand alone solar lights

50.Details of pollution control Systems

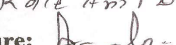
Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	60 Lakhs
	O & M cost:	10 Lakhs

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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	Site Safety	Barricading	3
2	Water for Dust Suppression	---	2
3	Environment Monitoring	--	7
4	Water Tanker for Construction	--	4
5	Site Sanitation	--	2
6	Set up of Gardening	--	4
7	Health Check up of Workers	--	5
8	First Aid Facilities	--	2
9	Personal Protective Equipment	--	4

b) Operation Phase (with Break-up):

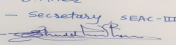
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Environmental Monitoring	Air, Noise, Water, Biological etc.	---	5
2	Rain Water Harvesting System	Overhead tank, recharge pits etc.	1.5	3.8
3	Solid Waste Management	Collection and disposal of solid waste	10	4
4	Green Belt Development	plantation	15	4
5	Occupational Health & Safety Training	Safety training, supply of safety items	--	4
6	Sewage Treatment Plant	STP	92.84	6
7	Energy measure saving	Solar energy	60	10

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

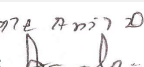

No Information Available

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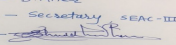
53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Separate exit and entry will be provided
Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	306 cars- 3825 sq.m. + 678 motorcycles- 2034 sq.m +327 bicycles -457.8 = 6316.80 sq.m
	Area per car:	12.50
	Area per car:	12.50
	Number of 2-Wheelers as approved by competent authority:	678 motorcycles & 327 Bicycles
	Number of 4-Wheelers as approved by competent authority:	306
	Public Transport:	NA
	Width of all Internal roads (m):	7 to 12 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	---
	Category as per schedule of EIA Notification sheet	8a
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	12-07-2017

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summarised in brief information of Project as below.

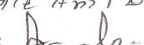
Brief information of the project by SEAC

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

Environment Clearance for Construction of 280 quarters including all infrastructural amenities for C.P. Nagpur At Survey no. 40,C.T.S. no.-302, Mouza-Policeline Takli, Nagpur. By **Maharashtra State Police Housing & Welfare Corporation Ltd.**

PP submitted their application for prior Environmental clearance for total plot area of 42927 Sq. Mtrs, BUA of 27350.50 Sq. Mtrs and FSI area of 18695 Sq. Mtrs. PP proposes to construct 10 no. residential building.

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

DECISION OF SEAC

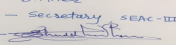
PP requested for time to submit above information; after deliberations committee asked PP to comply with the above observations and submit information to the committee for further discussion and consideration of SEAC.

Specific Conditions by SEAC:

- 1) PP to submit an Undertaking regarding sewage lines.
- 2) PP to submit Parking layout plans to all the buildings showing drive way, width, no dependent parking, parking statement to be shown as per DCR.
- 3) PP to submit the STP details.
- 4) PP to submit social infrastructure in nearby vicinity.
- 5) PP to note that STP should be open to sky.
- 6) PP to submit comprehensive detail of DMP.
- 7) PP to submit locations of underground tank.
- 8) PP to submit cross sections of the plot boundary showing the Strom water drain, space left in between compound wall, tree plantation line, and internal road.
- 9) PP to submit all NOC's i.e. specific NOC from Nagpur Municipal Corporation for sustainable Water supply with quantity, for disposal of solid waste Drainage NOC, Fire NOC.
- 10) PP to submit the copy approved layout cum sub-division for the earlier land as the plot is part of larger layout.
- 11) PP to submit an affidavit stating that the occupation will be sought only after getting drainage connection and sustainable water supply.
- 12) PP to submit geohydrological report along with plan for rain water harvesting and showing the chamber details.
- 13) PP to submit plan for storm water drains connectivity up to final disposal point and sewer line alignment up to final disposal point.
- 14) PP to submit revised EMP cost considering all parameters.
- 15) PP to submit details of socio-economic infrastructure parameters within vicinity of plot.
- 16) PP to resubmit RG Plan.

FINAL RECOMMENDATION

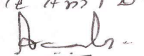

SEAC-III decided to defer the proposal till PP submits the additional information as per above conditions within 30 days

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Shri. Anil Kale (Chairman SEAC-III)

64 th SEAC -3 Meeting (Day-6)

SEAC Meeting number: 64 Meeting Date April 9, 2018

Subject: Environment Clearance for 8(a) Building & construction projects, B2 Category

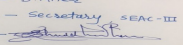
Is a Violation Case: No

1.Name of Project	Residential Project "Pebble Park"
2.Type of institution	Private
3.Name of Project Proponent	M/s. Kumar Company
4.Name of Consultant	Green Circle Inc.
5.Type of project	Residential Project
6.New project/expansion in existing project/modernization/diversification in existing project	Amendment in Environment Clearance
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes, Environmental Clearance has been obtained vide File No. SEAC-2010/CR.432/TC.2 dated 17th January, 2011
8.Location of the project	S. No. 55, Hissa No. 1,2,3, Hadapsar, Dist: Pune, Maharashtra.
9.Taluka	Pune
10.Village	Hadapsar
11.Area of the project	Pune Municipal Corporation, Pune
12.IOD/IOA/Concession/Plan Approval Number	Plan Sanctioned by Pune Municipal Corporation
	IOD/IOA/Concession/Plan Approval Number: Approval No. CC/4249/11 dated 09.09.2012
	Approved Built-up Area: 143351.72
13.Note on the initiated work (If applicable)	Yes, Phase 1 Work Has started as per previous EC File No. SEAC - 2010/CR.432/TC-2 dated 17th January 2015 & plan Sanction by PMC Commencement Certificate No. DPO/4249/11 dated 09/03/2012
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	86,600 m2
16.Deductions	30766.88 m2
17.Net Plot area	55,833.12 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 85235.85 m2
	b) Non FSI area (sq. m.): 58116.01 m2
	c) Total BUA area (sq. m.): 143351.72
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)	6794.54
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	26.53
21.Estimated cost of the project	1650000000

22.Number of buildings & its configuration

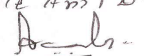
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	7 Nos. Buildings & 14 Wings: A1, A2, A3, A4, B, B1, B2 (2 wings each)	P + 15	49.95

23.Number of tenants and shops Total Nos. of Flat: 1440

Name - S.D.Aher
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Name: K. Anil D.
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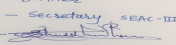
24. Number of expected residents / users	7200 Nos.
25. Tenant density per hectare	147 Tenant/hectare
26. Height of the building(s)	
27. Right of way (Width of the road from the nearest fire station to the proposed building(s))	18 m wide DP road
28. Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29. Existing structure (s) if any	Phase 1 Work Has started as per previous EC File No. SEAC - 2010/CR.432/TC-2 dated 17th January 2015 & plan Sanction by PMC Commencement Certificate No. DPO/4249/11 dated 09/03/2012
30. Details of the demolition with disposal (If applicable)	NA

31. Production Details

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

32. Total Water Requirement

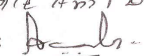
Dry season:	Source of water	PMC Water supply
	Fresh water (CMD):	648
	Recycled water - Flushing (CMD):	324 m3/day
	Recycled water - Gardening (CMD):	72 m3/day
	Swimming pool make up (Cum):	21.5 m3/day
	Total Water Requirement (CMD):	1065.5 m3/day
	Fire fighting - Underground water tank(CMD):	200 m3
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	244 m3/day

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 Designation - Secretary SEAC-III
 Sign - 

S.D.Aher (Secretary SEAC-III)

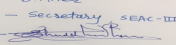
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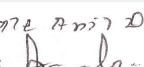

Wet season:	Source of water	PMC Water supply								
	Fresh water (CMD):	648								
	Recycled water - Flushing (CMD):	324 m3/day								
	Recycled water - Gardening (CMD):	0								
	Swimming pool make up (Cum):	21.5 m3/day								
	Total Water Requirement (CMD) :	993.5 m3/day								
	Fire fighting - Underground water tank(CMD):	200 m3								
	Fire fighting - Overhead water tank(CMD):	NA								
	Excess treated water	316 m3/day								
Details of Swimming pool (If any)	Dimension of Swimming Pool: 18.50x11.50x1.20M Total water Requirement in KL: 215 Water requirement for make up in KLD:21.5 Details of Plant & Machinery used for treatment of Swimming pool water: No need of Plant , we had installation surface mounted pipe less filtration unit, power required0.45HP/unit, Details of quality to be achieved for swimming pool water and parameters to be Potential Hydrogen -7 (6.8 to 7.2)									
33.Details of Total water consumed										
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)			
Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total	
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	
34.Rain Water Harvesting (RWH)	Level of the Ground water table:	12 m to 15 m bgl								
	Size and no of RWH tank(s) and Quantity:	2 Nos. x 56 m3								
	Location of the RWH tank(s):	Near OWC								
	Quantity of recharge pits:	8 Nos.								
	Size of recharge pits :	2 m x 2 m x 1.2 m								
	Budgetary allocation (Capital cost) :	Rs. 9.00 Lakhs								
	Budgetary allocation (O & M cost) :	Rs. 1.00 Lakh/annum								
	Details of UGT tanks if any :	Domestic UG tank capacity: 972 m3 Flushing UG tank capacity : 324 m3 Fire UG tank capacity : 200 m3								

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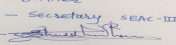
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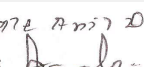

35.Storm water drainage	Natural water drainage pattern:	As per gravity
	Quantity of storm water:	65 Lit/sec
	Size of SWD:	Storm water drain of 0.45m width & 0.2m depth @ slope 1:200 will be provided along the road in project area.
Sewage and Waste water	Sewage generation in KLD:	721 m ³ /day
	STP technology:	FAB
	Capacity of STP (CMD):	1 No. X 365 m ³ /day & 1 No. X 356 m ³ /day
	Location & area of the STP:	Near A2 Building & Area : 486 Sq. m
	Budgetary allocation (Capital cost):	Rs. 40 Lakhs
	Budgetary allocation (O & M cost):	Rs. 10 Lakhs/annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	50 kg/day
	Disposal of the construction waste debris:	Disposal of the construction waste debris: Excavated earth material will be used for filling of plinth area & top soil for landscaping.
Waste generation in the operation Phase:	Dry waste:	1080 Kg/day
	Wet waste:	2520 Kg/day
	Hazardous waste:	Used oil
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	15 Kg/day
	Others if any:	NA
Mode of Disposal of waste:	Dry waste:	Handed over to Authorized vendor
	Wet waste:	Will be converted to compost using Organic Waste converter (OWC).
	Hazardous waste:	Handed over to authorized Vendor/re-processor
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be used as manure for gardening
	Others if any:	NA
Area requirement:	Location(s):	On Ground
	Area for the storage of waste & other material:	470 Sq. Mt
	Area for machinery:	40 Sq. Mt & 90 Sq. Mt
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 15.0 Lakhs
	O & M cost:	Rs.1.0 Lakh/annum
37.Effluent Charecterestics		

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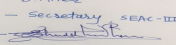
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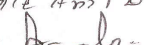
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Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)		
1	pH	-	6.0 - 8.5	5.5 - 9.0	6.5 - 9.0		
2	Oil & Grease	mg/L	10 - 20	< 10	10		
3	BOD	mg/L	200 -250	< 10	10		
4	COD	mg/L	350 - 400	< 60	50		
5	TSS	mg/L	150 - 200	< 10	20		
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	Used oil	5.1	Litres/year	0	200	200	Handed over to authorized Vendor/reprocessor
39.Stacks emission Details							
Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases	
1	1 Nos. x 320 KVA DG set	Diesel	1	3.5	0.150	120 oC	
2	1 Nos. x 400 KVA DG set	Diesel	2	4.0	0.150	120 oC	
40.Details of Fuel to be used							
Serial Number	Type of Fuel	Existing	Proposed	Total			
1	Diesel	0	73-74 Litres/hr/320 KVA DG set	73-74 Litres/hr/320 KVA DG set			
2	Diesel	0	89-90 Litres/hr/400 KVA DG set	89-90 Litres/hr/400 KVA DG set			
41.Source of Fuel		Local Market					
42.Mode of Transportation of fuel to site		Road transport					

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43.Green Belt Development	Total RG area :	7990.85 m2
	No of trees to be cut :	NA
	Number of trees to be planted :	771 Nos.
	List of proposed native trees :	Mango, Santra, Taman etc.
	Timeline for completion of plantation :	Two years

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

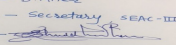
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Mangifera indica	Mango	108	Fruit bearing
2	Citrus reticulate	Santra	108	Fruit bearing
3	Terminalia mantaly	Madagascar almond	85	Native medical value, land thriving with unique species of flora and fauna, fast-growing, shade giving, suitable for bonsai and ornamental
4	Peltophorum pterocarpum	Yellow Flame Tree	95	Provide shade, ornamental, good for carpentry.
5	Plumeria Alba	Dev chafa	34	Flowering, fast growing, hardy, ornamental.
6	Bauhinia pupurea	Rakta chandan	196	Treat ailment like ulcer, wound, glandular swelling and stomach tumor
7	Spathodea campanulata	Pichakari	81	Used for treating various illnesses, The flowers provide nectar for birds
8	Lagerstroemia speciosa	Taman	32	Creates shade, attracts birds/butterflies/bees, good for screening.
9	Erythrina Indica	Pangara	32	Medicinal use- anthelmintic /antiulcer/Dierutic/analgesic etc.

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

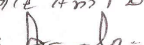
47.Energy

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Power requirement:	Source of power supply :	Maharashtra State Electricity Distribution Company Ltd. (MSEDCL)
	During Construction Phase: (Demand Load)	65 KVA
	DG set as Power back-up during construction phase	1 No. x 125 KVA
	During Operation phase (Connected load):	Phase I: 2939.21 KW & Phase II: 4107.65 KW
	During Operation phase (Demand load):	7046.86 KW
	Transformer:	Phase I -5 Nos. x 630 KVA & Phase II -7 Nos. x 630 KVA
	DG set as Power back-up during operation phase:	Phase I -1 No. x 320 KVA & Phase II -1 No. x 400 KVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48. Energy saving by non-conventional method:

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

49. Detail calculations & % of saving:

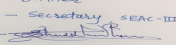
Serial Number	Energy Conservation Measures	Saving %
1	LED Lights	0.86
2	Auto timer	0.41
3	Solar lighting	0.03
4	Solar Water Heating	21.54

50. Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Wastewater - Domestic use	NA	STP for sewage treatment
Air emission - DG set	NA	Adequate stack height
Solid waste	NA	Proper collection, segregation, handling, storage & disposal facility and OWC for converting wet waste into manure

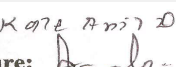

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 74 .00 Lakhs
	O & M cost:	Rs. 37.00 Lakhs/annum

51. Environmental Management plan Budgetary Allocation

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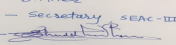
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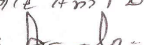
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a) Construction phase (with Break-up):							
Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)				
1	Dust generation	Water for Dust Suppression	0.7				
2	Workers/labourers	Site Sanitation & Safety	1.5				
3	Air, water, noise	Environmental Monitoring	2.4				
4	-	Disinfection	1.4				
5	All relevant parameters	Health Check up	1.5				
b) Operation Phase (with Break-up):							
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)			
1	Wastewater	STP & Noise Control Measures	40.00	10.00			
2	Solid waste	Solid Waste Management	15.00	1.00			
3	Green Area	Green Belt development	60.00	10.00			
4	Energy	Solar and Energy conservation	74.00	37.00			
5	Air, water, noise, soil	Environment Monitoring	-	2.50			
6	Ground water recharge	Rain Water Harvesting	9.00	1.00			
51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)							
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
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:		2 Nos.					

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Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	19656.00 sq. m
	Area per car:	27.3 sq. m
	Area per car:	27.3 sq. m
	Number of 2-Wheelers as approved by competent authority:	2880 Nos
	Number of 4-Wheelers as approved by competent authority:	720 Nos
	Public Transport:	Auto rickshaw from 200 m of project boundary
	Width of all Internal roads (m):	6
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	'B'
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	07-08-2014

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorisred in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for 8(a) Building & construction projects, B2 Category Residential Project "Pebble Park" at S. No. 55, Hissa No. 1, 2, 3, Hadapsar, Dist: Pune, Maharashtra. by M/s. Kumar Company.

DECISION OF SEAC

<p>Name - S.D.Aher Designation - Secretary SEAC-III Sign - </p> <p>S.D.Aher (Secretary SEAC-III)</p>	<p>SEAC Meeting No: 64 Meeting Date: April 9, 2018</p>	<p>Name:  Signature: </p> <p>Shri. Anil Kale (Chairman SEAC-III)</p>
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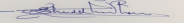
Already recommended by SEAC, committee decided to transfer the proposal to SEIAA online.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

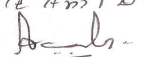
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64 th SEAC -3 Meeting (Day-6)

SEAC Meeting number: 64 Meeting Date April 9, 2018

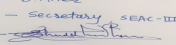
Subject: Environment Clearance for Application for Environment Clearance

Is a Violation Case: No

1.Name of Project	'Riverdale' proposed Residential Development
2.Type of institution	Private
3.Name of Project Proponent	Duville Estates Private Limited (formerly known as Calypso Premises Pvt. Ltd.)
4.Name of Consultant	Aditya Environmental Services Pvt. Ltd.
5.Type of project	Township 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	Plot No. S No -16/1, 16/2A, 16/2B, 16/3, 17/1, 17/3, 17/5 of Kharadi, Nagar Road, Pune
9.Taluka	Kharadi
10.Village	Kharadi
11.Area of the project	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Building Approval IOD/IOA/Concession/Plan Approval Number: Plot A --- CC no /2576/16 dated 15/11/2016; Plot B --- CC no /2578/16 dated 15/11/2016; Plot C --- CC no /2579/16 dated 15/11/2016; Plot D -- - CC no/ 2595/15 dated 9/11/2015; Plot E ---CC no /2582/16 dated 15/11/2016 Approved Built-up Area: 42394.30
13.Note on the initiated work (If applicable)	As per previous EC
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	1,24,200.00 sq.m
16.Deductions	51,531.56 sq.m
17.Net Plot area	72,468.44 sq.m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 5766.97 sq.m b) Non FSI area (sq. m.): 17348.00 sq.m c) Total BUA area (sq. m.): 23114.97
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)	26,115.00 Sq. m
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	36% (on Net plot area)
21.Estimated cost of the project	281900000

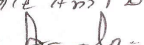
22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A1	3 Stilt parkings +16 Fls.	56.00
2	B1 to B6, Sale office	6 stilt parkings +1 Fl.	24.20
3	B8	Stilt + 9 Fls.	30.65
4	C1	4 stilt parkings+18 Fls.	68.40
5	C2	4 Stilt parkings+15 Fls.	59.40

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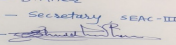
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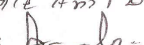
6	C3	4 Stilt parkings	14.40	
7	C4	4 Stilt parkings+14 Fls	56.40	
8	C5	4 Stilt parkings +15 Fls.	59.40	
9	Type D	Stilt + 6 Fls.	20.45	
10	E1, E2	4 Stilt Parkings	12.50	
11	E3	4 Stilt parkings + 19 Fls.	69.50	
23.Number of tenants and shops		Tenaments:1,357 Shops: 32		
24.Number of expected residents / users		Residential users: 6,785 Commercial users: 48		
25.Tenant density per hectare		109		
26.Height of the building(s)				
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))		240m		
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation		90m		
29.Existing structure (s) if any		NA		
30.Details of the demolition with disposal (If applicable)		NA		
31.Production Details				
Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable
32.Total Water Requirement				

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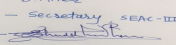
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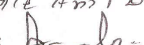
Dry season:	Source of water	PMC							
	Fresh water (CMD):	625							
	Recycled water - Flushing (CMD):	333							
	Recycled water - Gardening (CMD):	68							
	Swimming pool make up (Cum):	NA							
	Total Water Requirement (CMD) :	1026							
	Fire fighting - Underground water tank(CMD):	1000							
	Fire fighting - Overhead water tank(CMD):	NA							
	Excess treated water	399							
Wet season:	Source of water	PMC							
	Fresh water (CMD):	625							
	Recycled water - Flushing (CMD):	333							
	Recycled water - Gardening (CMD):	0							
	Swimming pool make up (Cum):	NA							
	Total Water Requirement (CMD) :	958							
	Fire fighting - Underground water tank(CMD):	1000							
	Fire fighting - Overhead water tank(CMD):	NA							
	Excess treated water	467							
Details of Swimming pool (If any)	Swimming pools are proposed in plots B, C and E. Dimension of Swimming Pool: 1,226.34 KLD Total water Requirement in KLD:1,226.34 KLD (Adult pool: 1172.1 KLD + Kids pool: 54.24 KLD) Plot B: Adults pool - 247.35Cu.m ; Kids pool - 15.79 Cu.m Plot C: Adults pool - 191.61 Cu.m; Kids pool - 11.53 Cu.m Plot E: Adults pool - 426.94 Cu.m ; Adults pool2 - 306.20 Cu.m; Kids pool - 26.92 Cu.m Water requirement for make up in KLD: 10.85 Cu.m								
33.Details of Total water consumed									
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	3m to 4m
	Size and no of RWH tank(s) and Quantity:	3 RWH Tanks each of 200, 100 & 20 KLD
	Location of the RWH tank(s):	Ground
	Quantity of recharge pits:	120 shallow pits of 5 KLD capacity per pit, 6 injection bore wells of 41cum for recharging about 239 cum of rainwater
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	20 lakhs
	Budgetary allocation (O & M cost) :	1 lakhs
	Details of UGT tanks if any :	Residential: Domestic UG tank Capacity: Plot A - 106 KL, Plot B - 316KL, Plot C -215KL, Plot F - 42KL Flushing UG tank Capacity: Plot A - 54 KL, Plot B - 166 KL, Plot C -113 KL, Plot F - 22KL Fire UG tank Capacity: Plot A - 200KL, Plot B - 400KL, Plot C -200KL, Plot F - 200KL Commercial: Not applicable
35.Storm water drainage	Natural water drainage pattern:	Natural flow of storm water will be maintained.
	Quantity of storm water:	42,942 cum
	Size of SWD:	1m deep x 0.8m wide
Sewage and Waste water	Sewage generation in KLD:	789
	STP technology:	MBBR
	Capacity of STP (CMD):	6 STP of 880 CMD capacity
	Location & area of the STP:	Ground
	Budgetary allocation (Capital cost):	150 lakhs
	Budgetary allocation (O & M cost):	21 lakhs
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	7-80 MT
	Disposal of the construction waste debris:	Will be used for filling of the plots and maintaining the natural slopes
Waste generation in the operation Phase:	Dry waste:	2199
	Wet waste:	1466
	Hazardous waste:	2-2.5 MT
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	75 kg/day
	Others if any:	NA

Mode of Disposal of waste:	Dry waste:	segregation and sale of authorized recyclers
	Wet waste:	biodegradable waste to compost
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	mix with wet waste and converted into compost
	Others if any:	NA
Area requirement:	Location(s):	Ground
	Area for the storage of waste & other material:	150 sq.m
	Area for machinery:	As above
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	50 lakhs
	O & M cost:	7.20 lakhs

37. Effluent Characteristics

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

38. Hazardous Waste Details

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

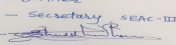
39. Stacks emission Details

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

40. Details of Fuel to be used

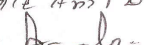
Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable

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

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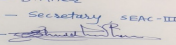
43.Green Belt Development	Total RG area :	19357 sq.m
	No of trees to be cut :	170
	Number of trees to be planted :	100
	List of proposed native trees :	As below
	Timeline for completion of plantation :	Till operation phase

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Aegle marmelos	Beal Tree	4	Native, Medicinal plant, fruits use to make marmalade/jam etc.
2	Anona squamosa	Custard apple, Sitafal	6	Native, Medicinal plant, fruits use to make marmalade/jam etc.
3	Azadirachta indica	Neem Tree	6	Native, Medicinal plant
4	Cordia dichotoma	Bhokar	4	Native, raw fruits use to make pickle
5	Lagerstroemia speciosa	Queen Crape Myrtle	2	Native, aesthetic value, shade
6	Millingtonia hortensis	Indian Cork	4	Native, aesthetic value, sweet scented flowers
7	Mimusops elengi	Bakuli	6	Native, Medicinal plant, fruits
8	Syzygium cumini	Jambhul	5	Native, Medicinal plant, fruits use to make fresh juice, syrup, jelly etc.
9	Bauhinia purpurea	Butterfly Tree	4	Native, aesthetic value
10	Bauhinia racemosa	Astha	5	Native, aesthetic value
11	Bougainvillea spectabilis	Bougainvillea	9	Aesthetic value
12	Citrus limon	Lemon, Limbu	6	Native, Medicinal plant, fruits use to make fresh juice, pickle etc.
13	Emblica officinalis	Awala	6	Native, Medicinal plant, fruits use to make fresh juice, syrup, pickle etc.
14	Gardenia jasminoides	Anant	6	Native, aesthetic value, sweet scented flowers
15	Murraya paniculata	Kunti	4	Native, aesthetic value
16	Nerium indicum	Pink Oleander	4	Native, aesthetic value
17	Nyctanthus arbor-tristis	Parijatak	6	Native, Medicinal plant, aesthetic value, sweet scented flowers
18	Psidium guajava	Peru	6	Native, fruits use to make fresh juice, syrup, etc.
19	Saraca asoka	True Ashok	8	Native, Medicinal plant, aesthetic value

45.Total quantity of plants on ground

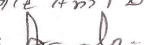
46.Number and list of shrubs and bushes species to be planted in the podium RG:

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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)	112.5 KW
	DG set as Power back-up during construction phase	will be provided
	During Operation phase (Connected load):	3631 KW
	During Operation phase (Demand load):	2256 KW
	Transformer:	NA
	DG set as Power back-up during operation phase:	2 X 380 KVA, 3 X 600 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	Yes

48. Energy saving by non-conventional method:

Section 4.2- Mandatory requirements for envelope -

1. Fenestration details as- U value and SHGS shall be in co-ordinance with Appendix C, in ECBC
2. Opaque construction- U value shall be determined as per Appendix C, in ECBC
3. Building envelope ceiling as specified in ECBC.

Section 5.2- Mandatory requirements for HVAC

- For naturally ventilated spaces the design shall comply with NBC of India 2005 Part 8 Section 1, 5.4.3 and 5.7.1
- Minimum equipment efficiencies, controls, piping and duct work shall be as mentioned by ECBC.

Section 6.2- Mandatory requirements for service hot water and pumping

The project would be providing solar water heating system for minimum 1/5 of design capacity.

Equipment efficiency- Service water heating equipment shall meet or exceed the performance and minimum efficiency requirements presented in available Indian Standards.

Section 7.2- Mandatory requirements for lighting

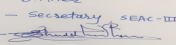
Lighting controls, Exit signs, lighting for exterior building grounds shall be provided as specified in ECBC, as applicable.

Section 8.2- Mandatory requirements for electrical power

Transformers, Energy efficient Motors, power factor correction, check metering and monitoring, power distribution systems shall be as specified in ECBC.

49. Detail calculations & % of saving:

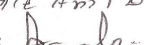
Serial Number	Energy Conservation Measures	Saving %
1	Green area - landscape	10
2	Street light	10
3	Corridor lighting	10

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4	Building facade light & building periphery lighting	10
5	Club house	15
6	Saving in club house, common area lighting, street & facade lighting	11
7	Therefore average annual energy saving (%)	11

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	75 lakhs
	O & M cost:	5 lakhs

51.Environmental Management plan Budgetary Allocation

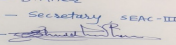
a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Debris/Top soil Management	NA	10
2	Toilets for labour + drinking water + first aid arrangement	NA	10
3	Safety measures	NA	0.39
4	Monitoring of Environmental Parameters	NA	4.37 during operation phase

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	NA	150	21
2	Solid Waste Management	NA	50	7.20
3	Rain Water Harvesting	NA	20	1
4	Green Belt	NA	15	2.40
5	Energy saving features	NA	75	5
6	WTP	NA	22.50	3.29
7	Monitoring of Environmental Parameters	NA	0	5.17
8	Environmental monitoring cell	NA	0	1.5
9	TOTAL	NA	332.5	46.56

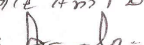
51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)

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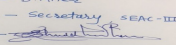
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52. Any Other Information

No Information Available

53. Traffic Management

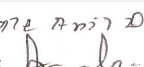

	Nos. of the junction to the main road & design of confluence:	2
Parking details:	Number and area of basement:	NA
	Number and area of podia:	4 podiums
	Total Parking area:	87,065 sq.m
	Area per car:	15 sq.m to 33 sq.m (as per PMC DC rules will be provided)
	Area per car:	15 sq.m to 33 sq.m (as per PMC DC rules will be provided)
	Number of 2-Wheelers as approved by competent authority:	81
	Number of 4-Wheelers as approved by competent authority:	2381
	Public Transport:	0
	Width of all Internal roads (m):	6m- 9m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Mula Muttha river adjacent to site
	Category as per schedule of EIA Notification sheet	8 (b)
	Court cases pending if any	NA
	Other Relevant Informations	The proposal was scrutinised for entire project but Environmental Clearance was granted only for area (i.e 45501.33 sq.m) having approval from Local Planning Authority. Now the we have obtained further approval for area (i.e 23,114.97 sq.m). Hence request you to granted us amendment in environment clearance.

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	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	03-12-2016
SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS		
Summarised in brief information of Project as below.		
Brief information of the project by SEAC		
<p>Environment Clearance 'Riverdale' proposed Residential Development at Plot No. S No -16/1, 16/2A, 16/2B, 16/3, 17/1, 17/3, 17/5 of Kharadi, Nagar Road, Pune by M/s. Duville Estates Private Limited (formerly known as Calypso Premises Pvt. Ltd.)</p> <p>PP submitted their application for prior Environmental clearance for total plot area of 124200 Sq. Mtrs, BUA of 23114.97 Sq. Mtrs and FSI area of 5766.97 Sq. Mtrs. PP proposes to construct 11 no. residential building.</p>		
DECISION OF SEAC		
Already recommended by SEAC, committee decided to transfer the proposal to SEIAA online.		
Specific Conditions by SEAC:		
FINAL RECOMMENDATION		
SEAC-III have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions		

<p>Name - S.D.Aher Designation - Secretary SEAC-III Sign </p> <p>S.D.Aher (Secretary SEAC-III)</p>	<p style="text-align: center;">SEAC Meeting No: 64 Meeting Date: April 9, 2018</p>	<p>Name: K. Anil Kale Signature: </p> <p>Shri. Anil Kale (Chairman SEAC-III)</p>
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64 th SEAC -3 Meeting (Day-6)

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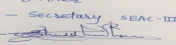
Subject: Environment Clearance for Construction project by M/s N.S.G.Shraddha Buildcon

Is a Violation Case: No

1.Name of Project	The Royal Mirage
2.Type of institution	Private
3.Name of Project Proponent	Mr. Amit Shivajirao Jadhav
4.Name of Consultant	M/s. Saitech Research & Development Organization
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	Not applicable
8.Location of the project	Gat No. 65/7, 65/8, Wakad
9.Taluka	Mulshi
10.Village	Wakad
11.Area of the project	Pimpri Chinchwad Muncipal Carporation
12.IOD/IOA/Concession/Plan Approval Number	Applied
	IOD/IOA/Concession/Plan Approval Number: -
	Approved Built-up Area: 66444.02
13.Note on the initiated work (If applicable)	17118.26
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	-
15.Total Plot Area (sq. m.)	22502.26
16.Deductions	7039.66
17.Net Plot area	15462.60
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 26742.13
	b) Non FSI area (sq. m.): 39701.89
	c) Total BUA area (sq. m.): 66444.02
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.):
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	2603.35
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	11.56 % of Total Plot area & 16.83 % of Net Plot area
21.Estimated cost of the project	1624800000

22.Number of buildings & its configuration

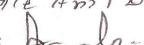
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Wing A	2P + 11	44.90
2	Wing B	2P + 11	44.90
3	Wing C	2P + 11	44.90
4	Wing D	P + 22	70.05
5	Wing E	G + 22	70.05

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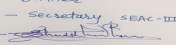
23.Number of tenants and shops	Total Tenements -488 Nos. & Shops- 21 Nos.
24.Number of expected residents / users	Residential Users: 2440 Nos. Commercial Users: 143 Nos. Total Users: 2583 Nos.
25.Tenant density per hectare	216.86
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	30M & 24 M Wide Road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	Not Applicable
30.Details of the demolition with disposal (If applicable)	Not Applicable

31.Production Details

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

32.Total Water Requirement

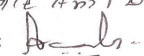
Dry season:	Source of water	PCMC
	Fresh water (CMD):	352.34 (One Time)
	Recycled water - Flushing (CMD):	114.09
	Recycled water - Gardening (CMD):	12.00
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	226.25
	Fire fighting - Underground water tank(CMD):	300.00
	Fire fighting - Overhead water tank(CMD):	100.00
	Excess treated water	180.21

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Wet season:	Source of water	PCMC
	Fresh water (CMD):	340.34 (One Time)
	Recycled water - Flushing (CMD):	114.09
	Recycled water - Gardening (CMD):	0.00
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	226.25
	Fire fighting - Underground water tank(CMD):	300.00
	Fire fighting - Overhead water tank(CMD):	100.00
	Excess treated water	192.21

Details of Swimming pool (If any)

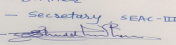
NA

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)

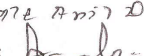

Level of the Ground water table:	10m to 20m BGL
Size and no of RWH tank(s) and Quantity:	NA
Location of the RWH tank(s):	NA
Quantity of recharge pits:	6 Nos
Size of recharge pits :	0.9m x 1.8m x 1.0m
Budgetary allocation (Capital cost) :	4.50Lakh
Budgetary allocation (O & M cost) :	1.20Lakh/Year
Details of UGT tanks if any :	Domestic UG tank Capacity: 440 .00 m3 Flushing UG tank Capacity: 60.00 m3 Fire UG tank Capacity: 300.00 m3

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35.Storm water drainage	Natural water drainage pattern:	-
	Quantity of storm water:	17.49m3 Per min
	Size of SWD:	1000 mm

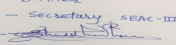
Sewage and Waste water	Sewage generation in KLD:	306.30 m3/day
	STP technology:	MBBR
	Capacity of STP (CMD):	1 No of 70 m3/day, 1No of 110m3/day, 1 No. of 140 m3/day
	Location & area of the STP:	-
	Budgetary allocation (Capital cost):	STP 1: 12.00 Lakh, STP 2:18.00 Lakh, STP 3:20.00 Lakh
	Budgetary allocation (O & M cost):	STP 1: 6.66 Lakh / Year , STP 2: 6.70 Lakh / Year, STP 3: 6.94 Lakh / Year

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	Waste generation:	25 kg/day
	Disposal of the construction waste debris:	Use for Leveling
Waste generation in the operation Phase:	Dry waste:	509.45 kg/day
	Wet waste:	746.30 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	27.56 Kg/day
	Others if any:	NA
Mode of Disposal of waste:	Dry waste:	SWACH
	Wet waste:	OWC
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as Manure after treatment in OWC.
	Others if any:	NA
Area requirement:	Location(s):	-
	Area for the storage of waste & other material:	OWC 1- 45M2, OWC 2-48M2 & OWC 3-41M2
	Area for machinery:	OWC 1- 15M2, OWC 2-12M2 & OWC 3-9M2
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	OWC 1: 14.75 Lakh, OWC 2: 14.75 Lakh, OWC 3: 11.00 Lakh
	O & M cost:	OWC 1: 3.00 Lakh / Year ,OWC 2:2.91 Lakh / Year , OWC 3:2.51 Lakh / Year

37.Effluent Charecteristics

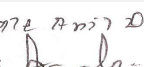

Serial Number	Parameters	Unit	Inlet Effluent Charecteristics	Outlet Effluent Charecteristics	Effluent discharge standards (MPCB)
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1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not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

38.Hazardous Waste Details

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

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	DG Set- 250 KVA	HSD	1	4.28 Mtr	to be provided	to be provided

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	Not applicable	42.6 lit./hr	42.6 lit./hr

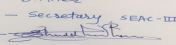
41.Source of Fuel Bharat Petroleum Corporation Limited/Hindustan Petroleum

42.Mode of Transportation of fuel to site By roadway

43.Green Belt Development	Total RG area :	1762.56 m2
	No of trees to be cut :	-
	Number of trees to be planted :	340 Nos.
	List of proposed native trees :	-
	Timeline for completion of plantation :	Mid of constuction

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

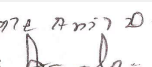

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Syzygium cumini	Jamun	15	Evergreen, fruit bearing tree.
2	Gravella robusta	Silver Oak	80	Evergreen tree, fruit bearing tree.
3	Manilkar zapota	Chiku	18	Evergreen tree, fruit bearing tree.
4	Saraca indica	Ashok	40	Small erect evergreen tree, sacred and religious.

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5	Annona squamosa	Shitafal	15	Fruit bearing tree, fruit attracts birds.
6	Azadirachta indica	Neem	30	Medicinal, evergreen tree, bears small flowers.
7	Punica granatum	Pomegranate	35	Fruit bearing, medicinal plant.
8	Nyctanthes arbor-tristis	Coral Jasmine	16	Flowering plant, flowers spread fragrance.
9	Phyllanthus emblica	Amala	15	Fruit bearing, medicinal plant, religious tree
10	Artocarpus incissi	Jackfruit	10	Fruit bearing tree, wood used in production of musical instruments, furniture.
11	Ficus racemosa	Umbhar	15	Fruit bearing tree, attracts birds, religious tree, medicinal tree.
12	Putranjiva roxburghi	Putragivi	10	Evergreen, medicinal tree.
13	Pongamia pinnata	Kanranj	16	Medicinal plant.
14	Anthocephalus kadamba	Kadamba	25	Evergreen tree, scented flowers, ornamental tree.

45.Total quantity of plants on ground

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

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

47.Energy

Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	75 KW
	DG set as Power back-up during construction phase	82.5 KVA x 1 No.
	During Operation phase (Connected load):	2119 KW
	During Operation phase (Demand load):	1089 KW
	Transformer:	2 Nos. of 630 KVA and 1 Nos. of 315 KVA
	DG set as Power back-up during operation phase:	1 Nos. of 250 KVA
	Fuel used:	42.6 lit./hr
Details of high tension line passing through the plot if any:	NA	

48.Energy saving by non-conventional method:

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

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar PV Panels	13500 KWH / Anum
2	Timer Logic Controller	29258 KWH / Anum
3	Electronic V3F drive for Lifts	27774 KWH / Anum
4	Solar Water Heater	679296 KWH / Anum

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	88.70 Lakh
	O & M cost:	12.26 Lakh/Year

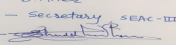
51.Environmental Management plan Budgetary Allocation

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
2	Water Environment	Tanker Water for Construction, Water Monitoring	0.50
3	Land Environment	Site Sanitation -Mobile toilets	0.50
4	Socio-economic	Disinfection- Pest Control, First Aid Facilities, Health Check Up, Creches For Children, Food for children, Personal Protective Equipment	1.00

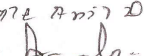
b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP 1	Sewage Treatment Plant	12.00	6.66

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2	STP 2	Sewage Treatment Plant	18.00	6.70
3	STP 3	Sewage Treatment Plant	20.00	6.94
4	RWH	Rain Water Harvesting	4.50	1.20
5	MSW 1	Municipal Solid Waste	14.75	3.00
6	MSW 2	Municipal Solid Waste	14.75	2.90
7	MSW 3	Municipal Solid Waste	11.00	2.51
8	Energy System	-	88.70	12.26
9	Solar water Heater System	-	42.70	0.68
10	Landscaping	-	45.00	2.00
11	Safety Equipments	-	10.00	2.00
12	Post EC Monitoring	-	-	2.50
13	Dry Waste Management	-	-	2.92

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

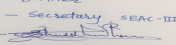
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

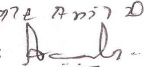
Nos. of the junction to the main road & design of confluence:	-
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Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	11688.40 m2
	Area per car:	46.02 m2
	Area per car:	46.02 m2
	Number of 2-Wheelers as approved by competent authority:	1006
	Number of 4-Wheelers as approved by competent authority:	254
	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	B2
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorisred in brief information of Project as below.

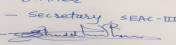
Brief information of the project by SEAC

Environment Clearance for Construction project The Royal Mirage at Gat No. 65/7, 65/8, Wakad by M/s N.S.G.Shraddha Buildcon

DECISION OF SEAC

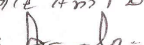
PP remained absent, committee decided to defer the proposal.

Specific Conditions by SEAC:

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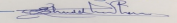
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FINAL RECOMMENDATION

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

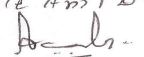
SEAC-AGENDA-00000000061

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S.D.Aher (Secretary SEAC-III)

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64 th SEAC -3 Meeting (Day-6)

SEAC Meeting number: 64 Meeting Date April 9, 2018

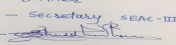
Subject: Environment Clearance for Environmental Clearance for Proposed Residential Development

Is a Violation Case: No

1.Name of Project	Parksyde Residences
2.Type of institution	Private
3.Name of Project Proponent	Mr Manoj Jaikumar Tibrewala
4.Name of Consultant	M/s. Ultra-Tech (Environmental Consultancy & Laboratory) NABET certificate no: NABET/EIA/1417/SA0011
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	257/ 1A, 257 /1B, 257/ 1C, 257/ 1D,257/ 1J,257/ 2A/ 1(P), 257/ 2B(P), 256/2to6/6 +256/2to6/8 (P)+256/2 TO 6/1+256/7 & P.NO. 1 TO 8 Near Rasbihari School, Off Mumbai Agra Highway , Nashik , State - Maharashtra
9.Taluka	Nashik
10.Village	Nashik
11.Area of the project	Nashik Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Commencement certificate by N.M.C. obtained IOD/IOA/Concession/Plan Approval Number: Sanction no: LND/BP/C1/61/610 Approved Built-up Area: 98604.58
13.Note on the initiated work (If applicable)	No work is initiated on the proposed project site under consideration for Environment Clearance.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	54282.05
16.Deductions	9494.30
17.Net Plot area	47847.75
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 68,507.14 b) Non FSI area (sq. m.): 30,097.44 c) Total BUA area (sq. m.): 98604.58
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)	Ground coverage 7975.15(buildings) + 3624.47(podium) = 11599.62
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	24%
21.Estimated cost of the project	1254000000

22.Number of buildings & its configuration

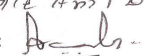
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A	Stilt Parking + 13 Floors	39.45
2	B	Stilt Parking + 13 Floors	39.45
3	C	Stilt Parking + 13 Floors	39.45
4	D	Stilt Parking + 13 Floors	39.45

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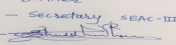
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5	E	Stilt Parking + 13 Floors	39.45
6	F	Stilt Parking + 12 Floors	36.60
7	G	Stilt Parking + 12 Floors	36.60
8	H	Stilt Parking + 12 Floors	36.60
9	I	Stilt Parking + 06 Floors	19.50
10	J	Stilt Parking + 06 Floors	19.50
11	K	Stilt Parking + 06 Floors	19.50
12	L	Stilt Parking + 01 Floors	5.25
13	L	Stilt Parking + 01 Floors	5.25
14	N	Stilt Parking + 15 Floors	45.15
15	O	Stilt Parking + 15 Floors	45.15
16	P	Stilt Parking + 15 Floors	45.15
17	Q	Stilt Parking + 15 Floors	45.15
18	R	Stilt Parking + 15 Floors	45.15
19	S	Stilt Parking + 15 Floors	45.15
20	T	Stilt Parking + 12 Floors	36.60
21	U	Stilt Parking + 12 Floors	36.60
22	V	Stilt Parking + 12 Floors	36.60
23	CLUB HOUSE	Ground + 1 Floor	7.73

23.Number of tenants and shops	Tenements:972
24.Number of expected residents / users	Residential: 4860
25.Tenant density per hectare	163 Tenement per hectare
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	Maximum:45.15 m Minimum:3.60 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Site abutting on 30.0m wide. road on west & 24.0 m wide road on South side and width of the internal road is 12 m.
29.Existing structure (s) if any	Turning 9 m radius for easy access of fire tender movement from all around the building is 9 m.
30.Details of the demolition with disposal (If applicable)	NA

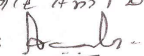
31.Production Details

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

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32.Total Water Requirement

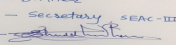
Dry season:	Source of water	Nashik Municipal Corporation
	Fresh water (CMD):	338
	Recycled water - Flushing (CMD):	169
	Recycled water - Gardening (CMD):	52
	Swimming pool make up (Cum):	10
	Total Water Requirement (CMD) :	569
	Fire fighting - Underground water tank(CMD):	100
	Fire fighting - Overhead water tank(CMD):	25
	Excess treated water	214
Wet season:	Source of water	Nashik Municipal Corporation
	Fresh water (CMD):	338
	Recycled water - Flushing (CMD):	169
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	10
	Total Water Requirement (CMD) :	517
	Fire fighting - Underground water tank(CMD):	100
	Fire fighting - Overhead water tank(CMD):	25
	Excess treated water	266

Details of Swimming pool (If any)

- Dimension of Swimming Pool: 27.82 m x 13.77 m x 1 m
- Total water Requirement in KLD: 600
- Water requirement for makeup in KLD:10

33.Details of Total water consumed

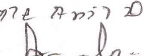

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	0	338	338	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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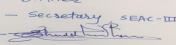
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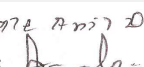
34.Rain Water Harvesting (RWH)	Level of the Ground water table:	--
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	21 Nos. of RWH pits with bore
	Size of recharge pits :	3 m x 3 m x 3m
	Budgetary allocation (Capital cost) :	Rs. 63 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 1.26 Lakhs/annum
	Details of UGT tanks if any :	Domestic UG tank Capacity: 708 m3 Flushing UG tank Capacity: 354 m3 Fire UG tank Capacity: 100 m3
35.Storm water drainage	Natural water drainage pattern:	From North to south
	Quantity of storm water:	0.68 m3/Sec.
	Size of SWD:	600 mm dia having slope 1:150
Sewage and Waste water	Sewage generation in KLD:	458 m3/day
	STP technology:	SBR
	Capacity of STP (CMD):	1 STP of capacity 700 m3
	Location & area of the STP:	Behind R & S wing
	Budgetary allocation (Capital cost):	Rs. 84.10 Lakhs
	Budgetary allocation (O & M cost):	Rs. 32.46 Lakhs
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	15 Kg
	Disposal of the construction waste debris:	This material will be used for back filling and leveling of the plot and remaining will be disposed to authorized sites.
Waste generation in the operation Phase:	Dry waste:	508 kg/day
	Wet waste:	1184 kg/day
	Hazardous waste:	Negligible
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	91 Kg/day
	Others if any:	Negligible

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Mode of Disposal of waste:	Dry waste:	Will be handed over to authorized recyclers
	Wet waste:	Will be treated in an Organic Waste Converter
	Hazardous waste:	Authorized hazardous waste management agencies
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be used as manure for landscaping
	Others if any:	E-waste:will be handled by authorized E-waste management agency.
Area requirement:	Location(s):	Behind R & S wing
	Area for the storage of waste & other material:	216 m2
	Area for machinery:	9 m2
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs 15 Lakhs
	O & M cost:	Rs. 4.8 lacs/ annum

37.Effluent Charecterestics

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

38.Hazardous Waste Details

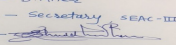
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Spent Oil	5.1	litres	Not applicable	Not applicable	Not applicable	Not applicable

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	2	Not applicable	Not applicable	Not applicable

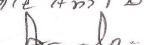
40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	DG set	Not applicable	Not applicable	Not applicable
41.Source of Fuel		Authorized Vendors		
42.Mode of Transportation of fuel to site		By Road		

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Designation - Secretary SEAC-III
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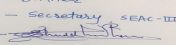
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43.Green Belt Development	Total RG area :	Total RG area: 17971 m2 RG area other than green belt (Please specify for Playground, etc.) Landscape area:- (Ground) : 6215 m2 Landscape area :- (Podium) : 2797 m2 RG area under green belt: Green cover Area (on ground): 6345 m2 Green cover area (On podium) : 2614 m2
	No of trees to be cut :	NA
	Number of trees to be planted :	850
	List of proposed native trees :	As mentioned in the list below
	Timeline for completion of plantation :	Till the completion of the project.

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



Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Peltoforum pterocarpum	Copper pod	55	Medium sized evergreen tree, fragrant yellow flowers.
2	Pongamia pinnata	Karanj	50	Shady tree.
3	Azadirachta indica	Neem	67	Large tree, good for roadside plantation
4	Ficus benjamina	Weeping fig	50	It is a very popular house plant in temperate areas, due to its elegant growth and tolerance of poor growing conditions
5	Michelia champaca	Son chafa	55	Medium sized evergreen tree, Shady tree. fragment flower
6	Milingtonia hortensis	Buch	50	The tree is considered ornamental and the pleasant fragrance of the flowers renders it ideal as a garden tree.
7	Erythrina indica	Pangara	44	Medium sized deciduous tree. Bright scarlet flowers
8	Lagerstroemia flosregineae	Tamhan	32	State flower tree of Maharashtra Medium sized tree, beautiful purple flowers
9	Tabebuia argentea	Trumpet tree	50	The nectar of Tabebuia flowers is an important food source for several species of bees .
10	Tabebuia rosea	Trumpet tree	46	It is a popular ornamental tree in subtropical and tropical regions, grown for its spectacular flower display on leafless shoots at the end of the dry season.
11	Bauhinia blakeana	Kanchan	45	This is a very popular ornamental tree in subtropical and tropical climates, grown for its scented flowers
12	Spathodia	Pichkari	30	This tree is planted extensively as an ornamental tree and is much appreciated for its very showy reddish-orange or crimson
13	Anthocephallus cadamba	Kadam	137	Shady, large tree, ball shaped flowers

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14	Terminalia katappa	Khota badam	105	Shady tree. Bird attracting fruit tree.
15	Plumeria alba	Pandhara chafa	34	Medium sized evergreen tree
16	Total	--	850	--

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	Hamellia patens	@ 0.60m c/c	170
2	Canna dwarf	@0.45m c/c	320
3	Hibiscus yellow	@0.60mc/c	220
4	Muraya exotica	@0.75mc/c	225

47.Energy

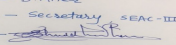
Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	200KVA
	DG set as Power back-up during construction phase	125 KVA
	During Operation phase (Connected load):	7370.00 kW
	During Operation phase (Demand load):	6150.00 kVA
	Transformer:	--
	DG set as Power back-up during operation phase:	2 D.G sets of total capacity 380 KVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

- 8W LED Fixtures proposed for parking areas & 15 W LED Fixtures in Common Lobby areas
- Automatic time based controls are proposed in Drive -ways of Parking to save power by switching ON & OFF the lights at appropriate time.
- Solar Heating is being proposed for Hot water used in Toilets & Kitchens.
- V3F drive motors should be used for lifts, which saves 30% energy consumption.
- We have proposed using SOLAR energy for Street Lighting and Parking Lighting. For Each Building having individual 7KW capacity of Solar energy is provided. For Lift & Common lighting load. We are installing 200 KW capacity system for other Common utilities. Like Street lighting, STP, Water pumping system etc.

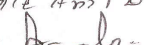
49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	8W LED Fixtures proposed for parking areas & 15 W LED Fixtures in Common Lobby areas	50%

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2	Automatic time based controls are proposed in Drive -ways of Parking to save power by switching ON & OFF the lights at appropriate time. Total Lights divided in Two parts ? 50% Lights will have Timers of 6.30 PM to 10.30 PM ? 50% Lights will have Timers of 6.30 PM to 6.30 AM	50%
3	Solar Heating is being proposed for Hot water used in Toilets & Kitchens.	100%
4	V3F drive motors should be used for lifts, which saves 30% energy consumption.	30%
5	We have proposed using SOLAR energy with Net metering solution for Lift & Common meter loads	75%

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
STP	Not applicable	700
OWC	Not applicable	OWC 300
DG sets	Not applicable	2Nos. D.G. Sets of total capacity 380 KVA.
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs.210 Lakhs
	O & M cost:	Rs.10.5 Lakhs

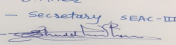
51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Environmental monitoring	PM10, PM2.5, SO2, NOx, CO, Equivalent noise level, Analysis of water for physical, chemical, biological parameters.	2.1
2	Air Environment	Water For Dust Suppression Air & Noise monitoring	2.1
3	Water Environment	Tanker water for construction Water monitoring	16.8
4	Land Environment	Site Sanitation Gardening	41.86
5	Socio- Economic Environment	Disinfection- Pest Control First Aid Facilities Health Check Up Personal protective equipment	21.48
6	Energy Conservation	CFL lamps for labour hutments	0.07

b) Operation Phase (with Break-up):

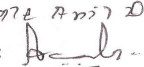
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
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1	Environmental Monitoring	Ambient Air quality, Noise Level, Exhaust from DG Set, Drinking Water, Sewage from STP, As per EP act, Manure	NA	13.73
2	Water	RWH	63	1.26
3	Water	STP	84.10	32.46
4	Energy	Solar Water Heating	210	10.5
5	Land Environment	Gardening	328.5	5
6	Solid waste	Solid waste management	15	4.8
7	Swimming Pool	Swimming Pool	100	2

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

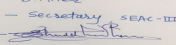
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

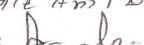
	Nos. of the junction to the main road & design of confluence:	Traffic generated from this project will confluent on 30 m and 24 m wide road.
Parking details:	Number and area of basement:	NA
	Number and area of podia:	2 nos (3624.47 sq.m.)
	Total Parking area:	5537.27 m ²
	Area per car:	--
	Area per car:	--
	Number of 2-Wheelers as approved by competent authority:	1431
	Number of 4-Wheelers as approved by competent authority:	845
	Public Transport:	Nearest bus stop
	Width of all Internal roads (m):	60

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	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8a
	Court cases pending if any	NA
	Other Relevant Informations	This consolidated statement is as per the sanction received vide. letter no LND/BP/C1/61/610 DATED - 29/04/2017
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorisred in brief information of Project as below.

Brief information of the project by SEAC

Environmental Clearance for Proposed Residential Development at 257/ 1A, 257 /1B, 257/ 1C, 257/ 1D,257/ 1J,257/ 2A/ 1(P), 257/ 2B(P), 256/2to6/6 +256/2to6/8 (P)+256/2 TO 6/1+256/7 & P.NO. 1 TO 8 Near Rashihari School, Off Mumbai Agra Highway ,Nashik , State - Maharashtra by **M/s. Parksyde Residences.**

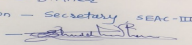
DECISION OF SEAC

PP remained absent, committee decided to defer the proposal.

Specific Conditions by SEAC:

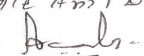
FINAL RECOMMENDATION

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

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64 th SEAC -3 Meeting (Day-6)

SEAC Meeting number: 64 Meeting Date April 9, 2018

Subject: Environment Clearance for EC application for our Proposed residential cum commercial construction project located at Dhanori, Pune by Gini Citicorp LLP

Is a Violation Case: No

1.Name of Project	Proposed residential cum commercial construction project
2.Type of institution	Private
3.Name of Project Proponent	Mr. Gautam Harlalka
4.Name of Consultant	NA
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Survey No. 11/1 (Part), Village Dhanori, Taluka Haveli, Dist. - Pune, State -Maharashtra.
9.Taluka	Haveli
10.Village	Dhanori
Correspondence Name:	Mr. Gautam Harlalka (Gini Constructions)
Room Number:	C Wing, office No. 3
Floor:	1
Building Name:	Gulmohar Apartment
Road/Street Name:	East Street Road
Locality:	Camp
City:	Pune
11.Area of the project	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Applied
	IOD/IOA/Concession/Plan Approval Number: In process
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	Not Applicable. We have not initiated any construction work for proposed project.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NOC from MHADA is not Applicable. Other Approvals- Sanction from PMC is in process
15.Total Plot Area (sq. m.)	23,100.00 Sq. M
16.Deductions	3,106.57 Sq. M.
17.Net Plot area	19,993.43 Sq. M.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 25,833.39
	b) Non FSI area (sq. m.): 18,278.85
	c) Total BUA area (sq. m.): 44112
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)	6811.35
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	45.18
21.Estimated cost of the project	1230000000

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: 64 Meeting Date: April 9, 2018</p>	<p>Name: K. Anil Kale Signature: </p> <p>Shri. Anil Kale (Chairman SEAC-III)</p>
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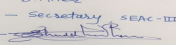
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A	B+G+9	31.95
2	B	B+G+9	31.95
3	C	B+G+9	31.95
4	D	B+G+9	31.95
5	E	B+G+9	31.95
6	F	B+G+9	31.95
7	G	B+G+9	31.95

23.Number of tenants and shops	Total No of tenements = 427 Total No of shops = 51
24.Number of expected residents / users	2135 (Residential) + 474 (Commercial) = 2609
25.Tenant density per hectare	184
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
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 mt
29.Existing structure (s) if any	Nil
30.Details of the demolition with disposal (If applicable)	Not Applicable

31.Production Details

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

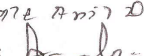
32.Total Water Requirement

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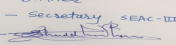
Dry season:	Source of water	PMC
	Fresh water (CMD):	207
	Recycled water - Flushing (CMD):	108
	Recycled water - Gardening (CMD):	13
	Swimming pool make up (Cum):	3.5
	Total Water Requirement (CMD) :	331.5
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	140
	Excess treated water	169
Wet season:	Source of water	PMC
	Fresh water (CMD):	207
	Recycled water - Flushing (CMD):	108
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	3.5
	Total Water Requirement (CMD) :	318.5
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	140
	Excess treated water	182

Details of Swimming pool (If any)

- Dimension of Swimming Pool:-785 sqft X 4'0" depth (73 Sqm X 1.2 Mtr depth)
- Capacity :- 94080 Litres
- Water requirement for make up (Top Up) - 3500 Litres Per Day
- Details of quality to be achieved for swimming pool water and parameters to be monitored:
 - a. pH : 7.2
 - b. Chlorine level : 1.5 to 2.2 mg/l

33.Details of Total water consumed

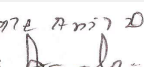

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable	207	207	Not applicable	20.66	20.66	Not applicable	185.97	185.97
Gardening	Not applicable	13.31	13.31	Not applicable	0	0	Not applicable	Not applicable	Not applicable

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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	15 mt. below ground level
	Size and no of RWH tank(s) and Quantity:	Nil
	Location of the RWH tank(s):	Nil
	Quantity of recharge pits:	10
	Size of recharge pits :	2.0 M X 1.0 M
	Budgetary allocation (Capital cost) :	10 lakh
	Budgetary allocation (O & M cost) :	1 lakh
	Details of UGT tanks if any :	Capacity of U.G.T> will be as below Treated water storage tank : 208.73 KL Raw water storage tank: 104.36 KL Fire Fighting Tank : 300.00 KL Total UGT capacity = 613.09 KL
35.Storm water drainage	Natural water drainage pattern:	As per contour. Contour plan is attached as annexure with form 1, 1A
	Quantity of storm water:	22 Cum /m.
	Size of SWD:	600 mm dia pipe.
Sewage and Waste water	Sewage generation in KLD:	283.10
	STP technology:	MBBR
	Capacity of STP (CMD):	350 KLD x 1 No.
	Location & area of the STP:	Location of STP is shown in services location plan attached as a annexure with Form1, 1A
	Budgetary allocation (Capital cost):	65 Lakh
	Budgetary allocation (O & M cost):	21 Lakh
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	32500 Cum - Excavation will be reused in Road side filling, Gardening etc
	Disposal of the construction waste debris:	Excavated debris will be used as filling material for plinth level, road leveling. Top soil will be used for landscaping.
Waste generation in the operation Phase:	Dry waste:	440.24 Kg/Day
	Wet waste:	660.06 Kg/Day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	25 kg/day
	Others if any:	No
Name - S.D.Aher Designation - Secretary SEAC-III Sign 		Name: K. Anil Kale Signature:  Shri. Anil Kale (Chairman SEAC-III)
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Mode of Disposal of waste:	Dry waste:	Through authorized vendor
	Wet waste:	Mechanized composting unit
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	25 kg/day
	Others if any:	Nil
Area requirement:	Location(s):	Please refer services location plan for the location of composting unit attached as annexure with Form 1, 1A
	Area for the storage of waste & other material:	80 SQM
	Area for machinery:	20 SQM
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	18 lacks
	O & M cost:	10

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

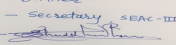
39. Stacks emission Details

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

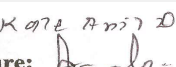

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable

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

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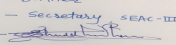
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43.Green Belt Development	Total RG area :	2104 SQM
	No of trees to be cut :	0
	Number of trees to be planted :	255
	List of proposed native trees :	attached with form 1, 1A
	Timeline for completion of plantation :	5

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

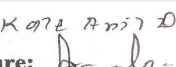

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Ailanthus excelsa	Maharukh	08	Medicinal value, Drought tolerant species
2	Albizia lebek	Shirish	08	Medicinal for Skin, Fragrant flowers, To control soil erosion, Bird attracting species (Para kids eat seeds)
3	Anthocephalus kadamba	Kadamb	08	Medicinal value, To control soil erosion, Birds, squirrels, monkey eat fruits
4	Azardirachta indica	Neem	08	Medicinal value, To control soil erosion. To improve soil erosion
5	Bauhinia blackiana	Kanchanraj	08	Every part of the plant is medicinal, Drought tolerant species
6	Bauhinia purpurea	Gulabi kanchan	08	Every part of the plant is medicinal ,Drought tolerant species
7	Butea monosperma	Palas	06	Medicinal value, Bird attracting species , To control soil erosion
8	Cassia fistula	Bahawa	04	Medicinal value, Drought tolerant species, Very ornamental, Well flowering plant, Honey bee attracting species, Host plant for Butterfly.
9	Choclopermum religiosum	Sonsawar	04	Medicinal value, Native species
10	Cordia dichotoma	Bhokar	04	Medicinal value, Edible fruits,
11	Dalbergia sissoo	Shisav	04	Medicinal value, Bird attracting species
12	Ficus arnottiana	Payar	04	Drought tolerant species, Bird attracting species. To control soil erosion
13	Ficus glomerata	Umbur	04	Medicinal value, Edible fruits, Bird attracting species
14	Ficus retusa	Nandruk	04	Medicinal value, Bird attracting species, Drought tolerant species, Hardy plant.
15	Mangifera indica	Mango	04	Edible fruit, Bird attracting species.

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16	Michelia champaca	Sonchaffa	04	Medicinal value, Fragrant flowers, Butterfly larvae host plant, Bird attracting species, Fast growing.
17	Pongamia pinnata	Karanj	04	Medicinal value, Drought tolerant species, To control soil erosion, Hardy plant
18	Saraca indica	Sita-ashok	04	Medicinal value, Religious plant
19	Syzygium cumini	Jamun	04	Medicinal value, Edible fruit.
20	Elaeocarpus sphaericus	Rudraksha	06	Medicinal value, Native species

45.Total quantity of plants on ground

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

Serial Number	Name	C/C Distance	Area m2
1	Not applicable	0	0

47.Energy

Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	25 KW
	DG set as Power back-up during construction phase	30 KVA X 1 No
	During Operation phase (Connected load):	2413 KW
	During Operation phase (Demand load):	1190 KW
	Transformer:	2 Nos. x 630 KVA
	DG set as Power back-up during operation phase:	250 KVA X 1 No
	Fuel used:	56.9 lit/hr. on 100 % loading , 42.6 lit/hr. on 75% loading, 29.9 lit/hr. on 50% loading
	Details of high tension line passing through the plot if any:	Not Applicable

48.Energy saving by non-conventional method:

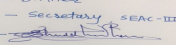
The estimated saving in common area lighting consumption is up to 23 % i.e. 65804 KWh per Annum, due to adopting above measures

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Landscape lights with LED lamps	0.54
2	Solar water heater	21.83

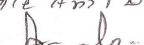
50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
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Designation - Secretary SEAC-III
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Waste water generation	Not applicable	STP with 350 KLD
Solid waste generation	Not applicable	Mechanized composting unit
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	130
	O & M cost:	1

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Erosion Control	Dust suppression measures / water sprinkling	1.0
2	Site Safety	Nets, Barricading	2.50
3	Site Sanitation	Public Toilet	2.0
4	Disinfection & health checkup	For labour	1.0

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	To treat the waste water STP plant of 250 Kl will be proposed	65	21
2	Rain Water Harvesting	Proposed number of RWH pits are 10.	10	1
3	Storm Water Networking (including external line connection)	Internal & external storm water line connection	60	1
4	Solid Waste Management	For mechanized composting unit	18	10
5	Green Belt Development	Total 255 number of trees will be planted	35	5
6	Solar Water Heater	To save electrical energy proposing the solar water heaters	130	1
7	Environmental Monitoring	To maintain the provided environmental services	-	1.60
8	Safety & Awareness Training	For labours & residents	5	-

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

Name - S.D.Aher Designation - Secretary SEAC-III Sign 	SEAC Meeting No: 64 Meeting Date: April 9, 2018	Page 66 of 68	Name: K. Anil Kale Signature:  Shri. Anil Kale (Chairman SEAC-III)
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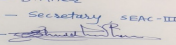
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

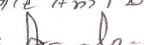
	Nos. of the junction to the main road & design of confluence:	2
Parking details:	Number and area of basement:	1 basement (Area= 8519.17 SQM)
	Number and area of podia:	1 Podium (Area=3632.08 SQM)
	Total Parking area:	Total Parking area = Cover [11403.2] + Open [900] = 12303.20 Sq m
	Area per car:	15 to 25 Sqm
	Area per car:	15 to 25 Sqm
	Number of 2-Wheelers as approved by competent authority:	1047
	Number of 4-Wheelers as approved by competent authority:	267
	Public Transport:	0
	Width of all Internal roads (m):	6 mt
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	8 B (a)
	Court cases pending if any	Nil
	Other Relevant Informations	Nil

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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 EC application for our Proposed residential cum commercial construction project located at Survey No. 11/1 (Part), Village Dhanori, Taluka Haveli, Dist. - Pune, State -Maharashtra. Dhanori, Pune by **M/s. Gini Citicorp LLP.**

PP submitted their application for prior Environmental clearance for total plot area of 23100 Sq. Mtrs, BUA of 44112 Sq. Mtrs and FSI area of 25833.39 Sq. Mtrs. PP proposes to construct 7 no. residential building.

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

DECISION OF SEAC

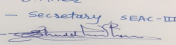
PP requested for time to submit above information; after deliberations committee asked PP to comply with the above observations and submit information to the committee for further discussion and consideration of SEAC.

Specific Conditions by SEAC:

- 1) PP to submit revised Parking plan for commercial and Residential area.
- 2) PP to submit comprehensive detail of DMP.
- 3) PP to submit Geo hydrological report along with plan for rain water harvesting.
- 4) PP to submit revised STP drawing.
- 5) PP to submit energy saving details also submits Solar Panel details in tabular format.
- 6) PP to submit the specific NOC from respective authority to lay the sewer line on 18.30 meters wide DP road.
- 7) PP to submit details of Chamber to be constructed on proposed swear line on DP Road and approval from respective authority for the designing of the same.
- 8) PP to submit cross sections of the plot boundary showing the Strom water drain, space left in between compound wall, tree plantation line, and internal road.
- 9) PP to submit debris management plan.
- 10) PP to submit CFO NOC.
- 11) PP to submit an affidavit stating that the occupation will be sought only after getting drainage connection and sustainable water supply.

FINAL RECOMMENDATION

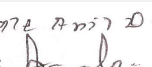

SEAC-III decided to defer the proposal till PP submits the additional information as per above conditions within 30 days

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S.D.Aher (Secretary SEAC-III)

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Name: 
Signature: 

Shri. Anil Kale (Chairman SEAC-III)