64 th SEAC-3 Meeting

SEAC Meeting number: 64 **Meeting Date** April 10, 2018

Subject: Environment Clearance for Building & construction project

Is a Violation Case: No

1.Name of Project	Ceratec Avika
2.Type of institution	Private
3.Name of Project Proponent	Ceratec Corp
4.Name of Consultant	M/s Pollution & Ecological Services
5.Type of project	Residential project with shopline
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	yes, we have obtained integrated environmental building permission along with commencement certificate from Pune Municipal Corporation on dated 25/09/2017 under 9 th Dec EIA notification 2016.
8.Location of the project	S. No. 34C, H. No. 2C(p),
9.Taluka	Haveli
10.Village	Yewalewadi
Correspondence Name:	Mr. Pramod Bhat, S.N. 36/7/5,Ambegaon Budruk, Mumbai-Bangalore Bypass,Pune-411 046
Room Number:	1
Floor:	2
Building Name:	Ceratec
Road/Street Name:	Mumbai-Bangalore Bypass
Locality:	Katraj
City:	Pune
11.Area of the project	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Commencement certificate
	IOD/IOA/Concession/Plan Approval Number: CC/1571/17
	Approved Built-up Area: 18642.99
13.Note on the initiated work (If applicable)	We have to plan start the work at site as per permission obtained from PMC.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	12300.00
16.Deductions	2420.50
17.Net Plot area	9879.50
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 24995.54
	b) Non FSI area (sq. m.): 11789.06
	c) Total BUA area (sq. m.): 36784.60
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)	2376.02
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	32
21.Estimated cost of the project	530000000

22.Number of buildings & its configuration

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

1	Building A	P +14	44.91
2	Building B	P + 14	44.91
3	Building C	P + 14	44.91
4	Club House	G +1	9.0

23.Number of tenants and shops	Tenements : 448; Shops : 05
24.Number of expected residents / users	2240
25.Tenant density per hectare	364
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	12.0 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	7.5 m
29.Existing structure (s) if any	NA
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	PMC
	Fresh water (CMD):	205
	Recycled water - Flushing (CMD):	101
	Recycled water - Gardening (CMD):	06
	Swimming pool make up (Cum):	00
	Total Water Requirement (CMD) :	312
	Fire fighting - Underground water tank(CMD):	225
	Fire fighting - Overhead water tank(CMD):	60
	Excess treated water	125
Wet season:	**Source of water**	PMC
	Fresh water (CMD):	205
	Recycled water - Flushing (CMD):	101
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	00
	Total Water Requirement (CMD) :	306
	Fire fighting - Underground water tank(CMD):	225
	Fire fighting - Overhead water tank(CMD):	60
	Excess treated water	131
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
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:**	18-20 m
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	04
	Size of recharge pits :	1.2 X 1.0
	Budgetary allocation (Capital cost) :	5.0
	Budgetary allocation (O & M cost) :	0.5
	Details of UGT tanks if any :	overhead tanks= 1)Domestic-202cum 2)Flushing-103cum 3)Fire-60cum Total 365Cum Underground tanks = 1)Domestic-355cum 2)Flushing-102 3)Fire-225cum Total-682cum
35.Storm water drainage	**Natural water drainage pattern:**	divert into Municipal drain
	Quantity of storm water:	568.21 cum/hr
	Size of SWD:	1200 x 800
Sewage and Waste water	**Sewage generation in KLD:**	245
	STP technology:	MBBR
	Capacity of STP (CMD):	1 , 300 KLD
	Location & area of the STP:	Below ground
	Budgetary allocation (Capital cost):	65 Lacs
	Budgetary allocation (O & M cost):	8.0 Lacs

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	• Waste generation from labor camp: 22.5 Kg/Day • Excavated debris: 19312 m3
	Disposal of the construction waste debris:	• This material shall be used for back filling and leveling of the plot and remaining will be disposed to authorized sites, • Construction debris:- construction waste will be partly reused for backfilling, counterweight of raft, road works and landscaping etc and partly disposed off to designed dumping site
Waste generation in the operation Phase:	**Dry waste:**	600 kg/day
	Wet waste:	400 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	35 Kg/day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	handed over to authorized recyclers.
	Wet waste:	Handle through OWC machine
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	use as manure
	Others if any:	NA
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	30 sq.m
	Area for machinery:	5.0 sq.m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	10.0 Lacs
	O & M cost:	4.0 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	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 :**	1164.35 sq.m
	No of trees to be cut :	NA
	Number of trees to be planted :	160
	List of proposed native trees :	enclosed as annexure
	Timeline for completion of plantation :	before completion of project

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azardiractha indica	Neem	20	Shady tree for roadside plantation and has medicinal uses
2	Plumeria alba	Franjipani	10	Ornamental plant with medicinal value
3	Nyctanthes arbortristis	Parijatak	15	Flowery tree, the seeds, leaves and flowers all have medicinal value.
4	Michelia champaca	Sonchapha	10	Conical tree with fragrant flowers
5	Peltopherum	Copper Pod	20	Shady tree for roadside plantation
6	Cassia fistula	Indian Labrenum	20	Native, deciduous, medicinal value
7	Jacaranda mimosifolia	Jacaranda	10	Deciduous tree, spreading type.with purple flowers
8	Mangifera indica	Mango	15	Fruit Bearing Tree, native, evergreen, attracts birds & insects, cultural significance
9	Syzyguim jambos & Others	Jamun	35	Fruit bearing tree, Large tree, medicinal plant,Bird host 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	ANNEXURE	ANNEXURE	ANNEXURE

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	300 KVA
	DG set as Power back-up during construction phase	50 KVA
	During Operation phase (Connected load):	1731 KW
	During Operation phase (Demand load):	1318 KVA
	Transformer:	03 nos.630 KVA
	DG set as Power back-up during operation phase:	200 KVA
	Fuel used:	(Diesel)- 58 lit./hr
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

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

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	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	28 %

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:**	45.00 Lacs
	O & M cost:	2.50 Lacs

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Drinking water	as per Drinking water standard	2.0
2	Sanitation	pH, BOD, COD, SS	8.0
3	Health Check Up	TB, Blood check up, ECG, dengue etc	4.0

4	Labour camp	Hygiene, Insecticide, Fuel etc	5.0

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewerage Treatment Plant	pH, BOB, COD, TSS etc	65	8.0
2	Rain Water Harvesting	Oil & Grease, pH ETC	05	0.5
3	Solid waste Mangement	Wet & dry Waste	10.00	4.0
4	Energy Saving Measures	Solar, non conventional Appliances	45.0	2.5
5	Greenbelt Development	Plantations	15.0	2.0

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

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

52.Any Other Information

No Information Available

53.Traffic Management

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

Parking details:	**Number and area of basement:**	One parking floor
	Number and area of podia:	NA
	Total Parking area:	6881.75 Sq.m
	Area per car:	12.5 sq.m
	Area per car:	12.5 sq.m
	Number of 2-Wheelers as approved by competent authority:	950 no
	Number of 4-Wheelers as approved by competent authority:	356 no
	Public Transport:	Local Buses
	Width of all Internal roads (m):	min 6.0 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8 (a) -B2
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for Building & construction project S. No. 34C, H. No. 2C(p) Yewalewadi by **M/s.Ceratec Avika.**

PP submitted their application for Expansion of Environmental clearance for total plot area of 12300 Sq. Mtrs, BUA of 36784.60 Sq. Mtrs and FSI area of 24995.54 Sq. Mtrs. PP proposes to construct 3 no. residential building and 1 Club House .

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

DECISION OF SEAC

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 socioeconomic infrastructure nearby vicinity.
2) PP to submit NOC, s for disposal of solid waste, Drainage NOC, CFO NOC for building no 'C'. and E-waste NOC.
3) PP to submit copy of Approved layout
4) PP to submit specific NOC from respective authority for design of the sewer line to be laid on public road.
5) PP to submit revised EMP for operation phase considering lying of sewer line.
6) PP to submit revised DMP by adding the list of hospitals in vicinity.
7) PP to submit revised plan for STP capacity i.e. up to 330
8) PP to explore the possibility to utilize excess treated water.
9) 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.
10) PP to submit run off calculations prior to development & after development.
11) PP to submit undertaking for sustainable water supply.
12) PP to submit drawing of R.W.H. pit with silt chambers.
13) PP to submit revised fire tender movement plan showing cross section of fire drive way at 4 places.
14) PP to submit revised parking layout plan by removing the stack parking. Also submit the parking statement.

FINAL RECOMMENDATION

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

64 th SEAC-3 Meeting

SEAC Meeting number: 64 **Meeting Date** April 10, 2018

Subject: Environment Clearance for Environment Clearance for project by M/s. Sahyadri Realties

Is a Violation Case: No

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

1.Name of Project	Shruberry
2.Type of institution	Private
3.Name of Project Proponent	Mr. Sanjay Shinde
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	Not applicable
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Gat. No. 123 (Part), Bhorhadewadi (Moshi), Pune
9.Taluka	Moshi
10.Village	Bhorhadewadi
11.Area of the project	Pimpri Chinchwad Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Applied
	IOD/IOA/Concession/Plan Approval Number: --
	Approved Built-up Area: 33086.82
13.Note on the initiated work (If applicable)	15876.72 m2
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	10,000 m2
16.Deductions	1333.00 m2
17.Net Plot area	8667.00 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 15471.56m2
	b) Non FSI area (sq. m.): 17615.26 m2
	c) Total BUA area (sq. m.): 33086.82m2
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)	1765.23 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	17.73 % of total plot area (10,000 m2) 20.36% of net plot area (8667.00 m2)
21.Estimated cost of the project	4900000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A	P+ 10	30
2	B	P+ 10	30
3	C	LP+UP+ 12	36
4	D(commercial)	G+3	14.55

5	E	LP+UP+ 12	36

23.Number of tenants and shops	Total Tenements - 298 Nos. Commercial Area : 373.75 m2 (shop - 4)
24.Number of expected residents / users	Residential Users: 1490 Nos. Commercial Users: 125 Nos. Total Population: 1615 Nos.
25.Tenant density per hectare	250
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	18 m Wide D P 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**	Pimpri Chinchwad Municipal Corporation
	Fresh water (CMD):	136.59 m3/day
	Recycled water - Flushing (CMD):	70.17 m3/day
	Recycled water - Gardening (CMD):	20 m3/day
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	226.76 m3/day
	Fire fighting - Underground water tank(CMD):	200 m3
	Fire fighting - Overhead water tank(CMD):	-
	Excess treated water	75.24 m3/day

Wet season:	**Source of water**	Pimpri Chinchwad Municipal Corporation
	Fresh water (CMD):	136.59 m3/day
	Recycled water - Flushing (CMD):	70.17 m3/day
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	206.76 m3/day
	Fire fighting - Underground water tank(CMD):	200 m3
	Fire fighting - Overhead water tank(CMD):	-
	Excess treated water	95.24 m3/day
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
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
	Size and no of RWH tank(s) and Quantity:	2m x 2m x 2m
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	5 Nos
	Size of recharge pits :	--
	Budgetary allocation (Capital cost) :	Rs. 5.00 lakh
	Budgetary allocation (O & M cost) :	Rs. 0.50 lakh/year
	Details of UGT tanks if any :	Domestic UG tank Capacity : 206 m3 Flushing UG tank Capacity : 106 m3 Fire UG tank Capacity : 200 m3

35.Storm water drainage	**Natural water drainage pattern:**	--
	Quantity of storm water:	155.15 Cum/ Annum
	Size of SWD:	450mm Dia
Sewage and Waste water	**Sewage generation in KLD:**	165.41m3/day
	STP technology:	MBBR
	Capacity of STP (CMD):	190 m3/day
	Location & area of the STP:	--
	Budgetary allocation (Capital cost):	Rs. 53 lakh
	Budgetary allocation (O & M cost):	Rs 10.60 lakh/year

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	15 kg/day
	Disposal of the construction waste debris:	Use for Leveling
Waste generation in the operation Phase:	**Dry waste:**	459.5 kg/day
	Wet waste:	316.75 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	16.74 kg/day (100% Dry)
	Others if any:	-
Mode of Disposal of waste:	**Dry waste:**	SWACH
	Wet waste:	Organic Waste Convertor
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Used as Manure after treatment in OWC
	Others if any:	--
Area requirement:	**Location(s):**	-
	Area for the storage of waste & other material:	50 m2
	Area for machinery:	15 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.12.0 Lakh
	O & M cost:	Rs.3.21 Lakh / Year

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)

1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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

38.Hazardous Waste Details

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

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	DG set	HSD	1	6.23	0.010	DG set - to be provided

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	Not applicable	28.5 Liters/Hr	28.5 Liters/Hr
41.Source of Fuel		Bharat Petroleum Corporation Limited/Hindustan Petroleum		
42.Mode of Transportation of fuel to site		BY road way		

43.Green Belt Development	**Total RG area :**	963 m2
	No of trees to be cut :	NA
	Number of trees to be planted :	127 Nos
	List of proposed native trees :	127 Nos
	Timeline for completion of plantation :	Mid of construction

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Albizia lebbeck	Shirish	9	Shady tree, yellow green fragrant flower
2	Saraca asoka	Sita Ashok	9	Shady tree, with red yellow flower
3	Cassia fistula	Bahava	9	Medium sized delicious tree, beautiful yellow flower, beautifully host plant

4	Mimusops elengi	Bakul	9	Shady tree, small white fragrant flower
5	Nyctanths arbor-tristis	Parijatak	10	Small deciduous fast growing tree, beautiful flower
6	Mangifera indica	Mango	9	Evergreen, shady, fruit bearing tree
7	Butea monosperma	Apta	9	Small tree, with small white flower, beautifully host plant
8	Azadirecta indica	Neem	10	Semi evergreen tree with medical value
9	Butea monosperma	Palas/Flame Of The Forest	12	Medium sized delicious tree, beautiful orange flower beautifully host plant
10	Caryota urens	Fish Tail Palm	9	Tall evergreen tree
11	Michelia champaca	Son Chafa	12	Medium sized evergreen tree, fragrant yellow flower beautifully host plant
12	Putranjiva roxburghii	Putranjiva	11	Medium sized evergreen tree
13	Milligtonia hortensis	Cork Tree	9	Tall evergreen tree with fragrant white flowers
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	30kw
	DG set as Power back-up during construction phase	40 KVA – 1 No
	During Operation phase (Connected load):	1223 KW
	During Operation phase (Demand load):	1088 KVA
	Transformer:	630 X 2 Nos
	DG set as Power back-up during operation phase:	125 KVA – 1 No
	Fuel used:	For 100 % Load – 28.5 Liters/Hr
	Details of high tension line passing through the plot if any:	NO

48.Energy saving by non-conventional method:

Solar Water Heating Systems Will Be Done For Bathrooms.

Solar lights will be provided for common amenities like Street lighting & Garden lighting.

CFL & LED based lighting will be done in the common areas, landscape areas, signage's, Entry gates and boundary compound walls etc.

Auto Timer Switches will be provided for Street lights, Garden lights, Parking & staircase Lights & Other Common Area Lights, for saving electrical energy.

Water Level Controllers With Timers will be Used for Wate

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Light Fitting for common areas i.e. Bldg. Parking, Staircases, Passage ,Terrace Floor. (Time Duration – 7 P.M. To 6 A.M. = 11 Hrs)	Per Year = 11298.21 KWH * Per Day = 30.95KWH
2	Up Lighter - Light Fitting For Landscape Area. (Time Duration – 6 P.M. To 10 P.M. = 4 Hrs)	* Per Year = 292 KWH * Per Day = 0.8 KWH
3	Bollard Light - Light Fitting For Landscape Area . (Time Duration – 6 P.M. To 10 P.M. = 4 Hrs)	* Per Year = 511 KWH Per Day = 1.4 KWH
4	) Solar Street Light Fitting - Pole Light On Road Side Ht. 4M. (Time Duration – 7 P.M. To 6 A.M. = 11 Hrs)	* Per Year = 1204.5 KWH * Per Day = 3.3 KWH
5	Street Light Fitting on the Bldg. (Time Duration – 7 P.M. To 6 A.M. = 11 Hrs)	* Per Year = 963.6 KWH * Per Day = 2.64 KWH

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	--	Not applicable

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	32.5 Lkh
	O & M cost:	0.81 Lakh/year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water for Dust Suppression Air & Noise Monitoring	0.50 Lakh/Year
2	Water Environment	Tanker Water for Construction Water Monitoring	0.50 Lakh/Year
3	Land Environment	Site Sanitation –Mobile toilets	0.50 Lakh/Year

4	Socio-economic	Disinfection- Pest Control First Aid Facilities Health Check Up Creches For Children Food for children Personal Protective Equipment	0.50 Lakh/Year

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP	Sewage Treatment Plant	53 Lakh	10.60 Lakh/Year
2	RWH	Rain Water Harvesting	5.00 Lakh	0.50 Lakh/Year
3	MSW	Muncipal Solid Waste	12 Lakh	3.21 Lakh/Year
4	Solar System	-	32.5 Lakh	0.81 Lakh/year
5	Landscaping	-	16.15 Lakh	1.55 Lakh/Year
6	Safety Equipment	-	10 Lakh	2.00 Lakh/Year
7	Post EC Monitoring	-	-	2.5 Lakh/Year
8	Dry Waste Management	-	-	1.78 Lakh/Year

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

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

52.Any Other Information

No Information Available

53.Traffic Management

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

Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	-
	Total Parking area:	8242 m2
	Area per car:	46.04 m2
	Area per car:	46.04 m2
	Number of 2-Wheelers as approved by competent authority:	635
	Number of 4-Wheelers as approved by competent authority:	179
	Public Transport:	NA
	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	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

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Proposed Project "Shruberry"at Gat No.123, Village Bhorahdewadi (Moshi), Tehsil Haveli, District Pune..(**Compliance case)**

PP submitted their application for prior Environmental clearance for total plot area of 10,000 Sq. Mtrs, BUA of 33,086.82 Sq. Mtrs and FSI area of 15,471.56 Sq. Mtrs. PP proposes to construct 4 nos. of residential buildings,1 no. of commercial building having maximum height of 36.00 Mtrs. and a club house.

The case was earlier discussed in the 19th meeting of SEAC-III held from 28th to 31st October, 2014 when the case was sent to the Environment Department for the issue of verification of violation. Proposed directions has been withdrawn by Environment Department vide letter dated 30.03.2015, hence the SEAC III considered the proposal in its 32nd meeting held on 24th to 28thAugust, 2015 ,when PP remain absent. The case was again considered in 41st meeting held from 27th to 30th January 2016 and 50th meeting held from 5th ,12th to 15th July,2016.During the meeting PP informed that they have changed the planning hence the case is appraised as fresh.The case was again considered in 52nd meeting held from 29th August to 1st September,2016.

The proposal is appraised as category 8 (a) B2. and **PP requested for time to submit 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.**

Now This committee took up the compliance report and other documents submitted by the Project Proponent for examination.

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) PP to plant trees 4 feet away from the compound wall.
2) PP to submit parking statement.
3) PP to submit parking layout plan showing parking slot including open parking.
4) PP to submit details of tanker water supply calculations.

FINAL RECOMMENDATION

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

64 th SEAC-3 Meeting

SEAC Meeting number: 64 **Meeting Date** April 10, 2018

Subject: Environment Clearance for New Construction project

Is a Violation Case: No

1.Name of Project	"Silver Town"
2.Type of institution	Private
3.Name of Project Proponent	Mr. VinodkumarJaichandlal Mittal
4.Name of Consultant	M/s. Ultra-Tech (Environmental Consultancy & Laboratory)
5.Type of project	"Residential & Commercial Development"
6.New project/expansion in existing project/modernization/diversification in existing project	New
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Gat No 324, 326, 330, 335, 336, 337, 338, 339, 343, 344, 345 Village Shindewadi, TalukaKhandala, Dist.-Satara, State- Maharashtra.
9.Taluka	Khandala
10.Village	Shindevadi
11.Area of the project	Town Planning/Grampanchayat
12.IOD/IOA/Concession/Plan Approval Number	Received part snaction , we have applied for full
	IOD/IOA/Concession/Plan Approval Number: Received part snaction , we have applied for full
	Approved Built-up Area: 99776.34
13.Note on the initiated work (If applicable)	No work initiated
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	71,300
16.Deductions	15,854.00
17.Net Plot area	55,446.00
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 69,136.51
	b) Non FSI area (sq. m.): 30,639.83
	c) Total BUA area (sq. m.): 99776.34
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)	11,979.10
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	16.80
21.Estimated cost of the project	1610900000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A Wing (A, B1, B2, C1, C2) 5 bldg	P+7	23.00
2	B Wing (D1, D2, E1, E2, F1, F2) 6 bldg	P+7	23.00
3	C Wing (G, H & I) 3 bldg	P+7	23.00
4	Club House 1	G +1	7.85

5	Club House 2	G +1	7.85
6	Club House 3	G +1	7.85
7	Club House 4	G +1	7.85

23.Number of tenants and shops	78 Shop+ 1248 flats
24.Number of expected residents / users	Residential user: 6,240 Nos Commercial user:347Nos
25.Tenant density per hectare	226/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)	50 m wide external road, nearest fire station Bhor fire station.
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Turning radius for easy access of fire tender movement from all around the building is 9.00 m
29.Existing structure (s) if any	None
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**	Local Body
	Fresh water (CMD):	567
	Recycled water - Flushing (CMD):	291
	Recycled water - Gardening (CMD):	31
	Swimming pool make up (Cum):	--
	Total Water Requirement (CMD) :	889
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	140
	Excess treated water	479
Wet season:	**Source of water**	Local Body
	Fresh water (CMD):	567
	Recycled water - Flushing (CMD):	291
	Recycled water - Gardening (CMD):	--
	Swimming pool make up (Cum):	--
	Total Water Requirement (CMD) :	858
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	140
	Excess treated water	510
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Fresh water requirement	Not applicable	567	567	Not applicable	57	57	Not applicable	510	510
Domestic	NA	291	291	NA	00	00	NA	291	291
Gardening	NA	31	31	NA	31	31	NA	00	00

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Pre monsoon :15 to 20m below Post monsoon : 7 to 10m below
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	31 Recharge pits
	Size of recharge pits :	3 m X 3 m X 3 m
	Budgetary allocation (Capital cost) :	Rs. 93 Lakh
	Budgetary allocation (O & M cost) :	Rs. 1.86 Lakhs/annum
	Details of UGT tanks if any :	Domestic UG tank Capacity (cum) : 978 Flushing tank Capacity(cum) 309.5 Fire UG tank Capacity (cum) 300
35.Storm water drainage	**Natural water drainage pattern:**	West to North east
	Quantity of storm water:	0.68 m3/sec
	Size of SWD:	900 mm dia.
Sewage and Waste water	**Sewage generation in KLD:**	801
	STP technology:	MBBR
	Capacity of STP (CMD):	2 No. - 1 STP for Phase 1 & 2 of 685 KLD capacity AND 1 STP for Phase 3 of 170 KLD capacity
	Location & area of the STP:	STP 1: Behind B2Bldg – 290.69 m2 STP 2: Near I Bldg – 90.00 m2
	Budgetary allocation (Capital cost):	Rs. 221.59 Lakh
	Budgetary allocation (O & M cost):	Rs. 27.73 Lakh/annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	37 kg/day
	Disposal of the construction waste debris:	Quantity of the top soil to be preserved: 38,893 m3 Disposal of the construction way debris: back filling and road WBM work within site.
Waste generation in the operation Phase:	**Dry waste:**	869 kg/day
	Wet waste:	2026 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	171 kg/day
	Others if any:	E Waste - Negligible

Mode of Disposal of waste:	**Dry waste:**	Handed over to authorized agency
	Wet waste:	Organic Waste Convertor
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be used as manure
	Others if any:	E Waste - will be handed over to authorised agency
Area requirement:	**Location(s):**	OWC 1: NearB2Bldg OWC 2: Near B1 & C1 Bldg OWC 3: Near I Bldg
	Area for the storage of waste & other material:	230.85 m2 (total 3 OWC)
	Area for machinery:	considered in above area
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 59.34 lakhs
	O & M cost:	Rs.10.66 lakhs/ annum

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	1 DG Set of 225 kVA	HSD - 38.6Kg/hr	1	3.5	0.15	543
2	2 DG Sets of 180 kVA	HSD - 31.8Kg/hr x 2	2	3	0.12	538

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	5544.60 m2
	No of trees to be cut :	None
	Number of trees to be planted :	705
	List of proposed native trees :	All Native
	Timeline for completion of plantation :	2 years

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Spathodea campanulata	African tulip tree	62	Significant environmental weed. Nectar for bird. Evergreen tree. Taraditional medicinal use.
2	Azadrica indica	Neem	50	Helpful for regular rainfall, Natural fertilizer, Ability for temperature moderate.
3	Lagerstroemia flos-regineae	Tamhan	90	Soil erosion control tree, Avenue tree. Ornamental tree.
4	Michelia champaka	Champaca	88	Fragrant flowering tree. Bird & butterfly attractive tree.
5	Butea monosperma	Palas/ Flame of forest	54	Medicinal use of tree. Erosion control : Monosperma to stabilize field bunds.
6	Cassia fistula	Bahava tree	112	Tree has medicinal properties. Environmental weed. Evergreen, ornamental tree
7	Peltopherum	Copper pod	62	Agroforestry Ornamental Revegetation
8	Plumeria alba	Frangipani white	81	Fragrant flowering tree. Plants will grow quickly in full sun on a variety of well-drained soils and are fairly droughtand salt-tolerant.
9	Erythrina indica	Indian coral tree	80	Wind breaking tree
10	Mangifera indica	Mango tree	26	Shady tree. Noise reduction tree. Bird attractive tree.
11	Total	Total	705	-
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)	33 KW
	DG set as Power back-up during construction phase	50kVA
	During Operation phase (Connected load):	4618.18 kW
	During Operation phase (Demand load):	2868 kVA
	Transformer:	630 kVA - 5 Nos.
	DG set as Power back-up during operation phase:	1 x 225 kVA, 2 x 180 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NO

48.Energy saving by non-conventional method:

Solar PV panels
Solar water

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Timers and contactors will be used to switch on / off common area & external landscape and facade lighting. 2) Light Emitting Diode (LED) will be used for corridors Lobbies and common areas. 3) Energy efficient LED lamps which give approx. 30% more light output for the same watts consumed and therefore require less nos. Of fixtures and corresponding lower point wiring costs 4) All cables will be derated to avoid heating during use. This also indirectly reduces losses and improves reliabil	46 %
2	125 Ltr Solar water is provided for each flat of proposed buildings .	96 %
3	Solar PV panel system is proposed for Street lighting & Building common load., Solar PV of 7 KW is proposed for Common Area Lighting lighting.	41 %

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
STP	----	2 STP with MBBR technology
OWC	----	3 Organic waste composting machine
DG Set	-----	Stack as per CPCB guidelines

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 221.10 Lakhs
	O & M cost:	Rs. 21.58 Lakhs/annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water	Tanker Water For Construction	1.60
2	Water	Water Monitoring	0.42
3	Air	Water For Dust Suppression	0.64
4	Air	Air & Noise Monitoring	1.33
5	Land	Site Sanitation- Mobile toilets	1.90
6	Biological	Gardening Set Up	8.77
7	Socio Economic	Disinfection- Pest Control	0.24
8	Socio Economic	First Aid Facilities	0.13
9	Socio Economic	Health Check Up	2.40
10	Socio Economic	Creches For Children	10.96
11	Socio Economic	Personal Protective Equipment	1.80
12	Energy Conservation	CFL Lamps For Labour Hutments	2.43
13	Total	Total	32.62

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP Cost	2 STPs	221.59	27.73
2	Environmental Monitoring	MoEF & CC approved laboratory	MoEF & CC approved laboratory	15.71
3	Gardening	Gardening and plantation	189.63 (Transplantation cost included)	50.00
4	Solid waste	3 OWCs	59.34	10.66
5	Energy Saving	Energy Conservation Measures	221.10	21.58
6	Storm water line	Lying of Storm water line	30.00	3.00
7	Rain Water Harvesting	31 RWH Pits	93.00	1.86
8	Drainage pumping cost	Drainage pumping cost	7.60	2.43
9	Total	Total	822.26	132.97

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1
Parking details:	**Number and area of basement:**	None
	Number and area of podia:	None
	Total Parking area:	6006.50
	Area per car:	For stilt : 30 m2 For Uncovered Parking: 25 m2
	Area per car:	For stilt : 30 m2 For Uncovered Parking: 25 m2
	Number of 2-Wheelers as approved by competent authority:	1470
	Number of 4-Wheelers as approved by competent authority:	163
	Public Transport:	NA
	Width of all Internal roads (m):	9 m
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	None within 15 km
	Category as per schedule of EIA Notification sheet	8 (a) B2
	Court cases pending if any	No
	Other Relevant Informations	Case presented in 55th SEAC meeting, as per the MOM submitting herewith the revised forms.

	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	14-06-2016

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for Residential & Commercial Development "Silver Town" atGat No 324, 326, 330, 335, 336, 337, 338, 339, 343, 344, 345 Village Shindewadi, TalukaKhandala, Dist.-Satara. (Compliance case)

PP submitted their application for prior Environment Clearance for total plot area of 71,300.00 Sq. Mtrs, BUA of 99,776.34.67 Sq. Mtrs and FSI area of 69,136.51 Sq. Mtrs. PP proposes to construct 14 nos. of residential buildings having maximum height of 23.00 Mtrs.,4 Nos. of club house and 78 shops.

The case was earlier considered in 49th meeting of the SEAC - III held from 22nd to 24th June, 2016. The case was considered in the 55th meeting of SEAC-III held from 4th to 8th October, 2016 when the case is deferred as data submitted and data presented were different; the proposal will be considered only after resubmission of correct project details. The case was again considered in the 57th meeting of SEAC-III held from 22th to 23rd June, 2017 ,when the case is postponed.

Now, during the meeting committee noted that as per notification dated 09/12/2016 MOEF &CC, building and construction projects having built up area ≤1,50,000 Sq.Mtrs., the integrated environmental conditions with the building permission being granted by the local Planning authority. Accordingly, MOEF&CC by their order dated 07/07/2017 concurred that the environmental clearance for building and construction projects up to 1,50,000 square meter stand integrated with Development Control regulations (DCR) of all Municipal Corporations, Municipal Councils and all Special Planning Authorities in Pune and Kokan Division.

During the meeting , Committee noted that the total built up area of project is 99,776.34Sq.Mtrs. but project doesn't fall under jurisdiction of Municipal Corporations, Municipal Councils and any Special Planning Authority of Pune division as mentioned in order dated 07/07/2017 of MOEF&CC. Therefore, Committee decided to appriasethe proposal.

Now in 64 th Meeting PP submitted their application for Prior Environmental clearance for total plot area of 71300 Sq. Mtrs, BUA of 99776.34 Sq. Mtrs and FSI area of 69136.51 Sq. Mtrs. PP proposes to construct 14 no. residential building and 4 no.Club house.

The case was discussed on the basis of the documents and compliance 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 IOD/IOA/Concession Document/Plan Approval or any other form of documents as applicable clarifying its conformity with local planning rules and provisions there under as per the Circular dated 30.01.2014 issued by the Environment Department, Govt. of Maharashtra.
2) PP to submit Proper signed NOC for drainage.
3) PP to submit approval plan for revised layout.
4) PP to submit all revised NOC,s.
5) PP to submit indemnity bond.
6) PP to submit revise parking layout plan.
7) PP to submit revised parking statement.
8) PP to submit revised list of trees.

FINAL RECOMMENDATION

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

64 th SEAC-3 Meeting

SEAC Meeting number: 64 **Meeting Date** April 10, 2018

Subject: Environment Clearance for Environment Clearance for project by M/s Classic Promoters & Builders Pvt Ltd.

Is a Violation Case: No

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

1.Name of Project	Mudra
2.Type of institution	Private
3.Name of Project Proponent	Mr. Atul Chordia
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	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Expansion
8.Location of the project	S No. 685/1, C.T.S.No 1760, Village – Munjeri Bibwewadi, Tehsil Haveli, Dist - Pune.
9.Taluka	Haveli
10.Village	Munjeri Bibwewadi
11.Area of the project	PMC
12.IOD/IOA/Concession/Plan Approval Number	Applied
	IOD/IOA/Concession/Plan Approval Number: -
	Approved Built-up Area: 48447.97
13.Note on the initiated work (If applicable)	28655.06 m2 (As per OLD EC dated 23/08/2016)
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	11,970.90 m2
16.Deductions	2,460.38 m2
17.Net Plot area	9,510.52 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 25386.20 m2
	b) Non FSI area (sq. m.): 23061.77 m2
	c) Total BUA area (sq. m.): 48447.97 m2
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	2799.77 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	23.38 % of Total Plot Area (11970.90 m2) 29.43% of Net plot Area (9510.52 m2)
21.Estimated cost of the project	2000000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A	2P+P+16	60.80 m
2	B	2P+P+17	64.00 m
3	C	2P+P+19	69.20 m
4	WING A-Commercial (2224.79 m2)	P+G+1FL	8.60 m

23.Number of tenants and shops	Total Tenements –183 Nos. Commercial area is 2224.79 m2 Shop – 10 Nos Offices – 26 Nos
24.Number of expected residents / users	Residential Users: 915 Nos. Commercial Users : 527 Nos. Total Users : 1442nos
25.Tenant density per hectare	110
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	45 M
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.0 M
29.Existing structure (s) if any	Not Applicable
30.Details of the demolition with disposal (If applicable)	Not Applicable

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	PMC
	Fresh water (CMD):	98.69 m3/day
	Recycled water - Flushing (CMD):	54.35 m3/day
	Recycled water - Gardening (CMD):	30 m3/day
	Swimming pool make up (Cum):	5.8 m3/day
	Total Water Requirement (CMD) :	183.03 m3/day
	Fire fighting - Underground water tank(CMD):	300 m3
	Fire fighting - Overhead water tank(CMD):	-
	Excess treated water	40.65 m3/day

Wet season:	**Source of water**	PMC
	Fresh water (CMD):	98.69 m3/day
	Recycled water - Flushing (CMD):	54.35 m3/day
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	5.8 m3/day
	Total Water Requirement (CMD) :	153.03 m3/day
	Fire fighting - Underground water tank(CMD):	300 m3
	Fire fighting - Overhead water tank(CMD):	-
	Excess treated water	70.65 m3/day
Details of Swimming pool (If any)	Dimension of Swimming Pool: 6.70 m x 6.12 m x 1.05 m Total water Requirement in KLD:42 m3Water requirement in KLD:5.8 m3/dayDetails of Plant & Machinery used for treatment of Swimming pool water: Details of quality to be achieved for swimming pool water and parameters to be monitored: • Budgetary allocation (Capital cost and O & M cost)-• Capital cost: Rs. 9.50 Lakh• & M Cost :Rs. 1.68 Lakh/Year	

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:**	2.5 m to 3.5 m below ground level
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	04 nos
	Size of recharge pits :	3.0m x 3.0m x 3.0m
	Budgetary allocation (Capital cost) :	Rs. 14 Lakh
	Budgetary allocation (O & M cost) :	Rs.0.25 Lakh /Year
	Details of UGT tanks if any :	Domestic UG tank Capacity: 140 m3 Flushing UG tank Capacity: 82 m3 Fire UG tank Capacity: 300 m3.

35.Storm water drainage	**Natural water drainage pattern:**	-
	Quantity of storm water:	386.68 m3/Hr
	Size of SWD:	600 MM
Sewage and Waste water	**Sewage generation in KLD:**	142.58 m3/day
	STP technology:	MBBR
	Capacity of STP (CMD):	1 no -145 m3/day
	Location & area of the STP:	103.32 m2
	Budgetary allocation (Capital cost):	Rs. 50 Lakh
	Budgetary allocation (O & M cost):	Rs. 11.17 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:**	287.72 kg/day
	Wet waste:	214.02 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	21.56 (100% Dry)
	Others if any:	-
Mode of Disposal of waste:	**Dry waste:**	SWACH
	Wet waste:	Organic Waste Convertor
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Used as Manure after treatment in OWC
	Others if any:	-
Area requirement:	**Location(s):**	-
	Area for the storage of waste & other material:	50 m2
	Area for machinery:	-
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.12.75 Lakh
	O & M cost:	Rs. 3.87 Lakh/ Year

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)

1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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

38.Hazardous Waste Details

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

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	DG SET	HSD	1	7.5 m	0.010	DG SET - TO BE PROVIDED

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	Not applicable	66.6 lit/hr	66.6 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 :**	1158 m2
	No of trees to be cut :	NA
	Number of trees to be planted :	116 Nos
	List of proposed native trees :	116 Nos
	Timeline for completion of plantation :	Mid of construction

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Anthocephalus cadamba	Kadamb	31	Medicinal value, To control soil erosion,Birds, squirrels, monkey eat fruits.
2	Bauhinia acuminata candida	Apta	02	Every part of plant is medicinal, Drought tolerant species

3	Cassia fistula	Bahava	06	Medicinal value, Drought tolerant species, Very ornamental, Well flowering plant, Honey bee attracting species, Host plant for Butterfly
4	Dillenia indica	Karmal	04	Drought tolerant species, Edible Fruits, Well flowering plant, Honey bee attracting species, Host plant for Butterfly
5	Terminalia Catappa	Badam	09	Native, Fragrant flowers, Attracts insects
6	Azadirachta Indica	Neem	30	Medicinal value, Fragrant flowers, Butterfly larvae host plant, Bird attracting species, Fast growing
7	Plumeria alba	Dev chafa	02	Flowering, Fast Growing, Hardy, Ornamental form
8	Butea monosperma	Palas	09	Native, Drought tolerant specie, Hardy, Flowering, attracts birds & insects
9	Phoenix sylvestris	Shindi Palm	10	Native hardy, drought tolerant, fruit bearing, attracts birds and insects
10	Artocarpus heterophyllus	Jackfruit	13	Evergreen, Fruit Bearing trees, Large leaves, Native
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)	50 kw
	DG set as Power back-up during construction phase	82.5 KVA
	During Operation phase (Connected load):	2289 KW
	During Operation phase (Demand load):	1780 KVA
	Transformer:	630 KVA x 3 nos
	DG set as Power back-up during operation phase:	320 KVA – 1 No. & 625 KVA – 1 No
	Fuel used:	82.5 KVA 19.5 lit/hr. for 100% load 320 KVA DG Set- 66.6 lit/hr. for 100% load
	Details of high tension line passing through the plot if any:	no

48.Energy saving by non-conventional method:

Improvement in Power Quality of the installation is achieved by
To keep Unity Power Factor we will install Automatic Power Factor Capacitor Bank.
To reduce harmonics losses (less than 5 %) we will add RC filters.

High efficiency options for the equipments to be used

High efficiency Motors, Transformers will be used to reduce losses.

Design Optimization for the electromechanical systems

Strategic location of Transformers, DG Set for radial power distributio

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total Energy Saving	72 %

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:**	Rs.19.16 lakh
	O & M cost:	Rs. 0.38 Lakh/Year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water for Dust Suppression Air & Noise Monitoring	0.50 Lakh/Year
2	Water Environment	Tanker Water for Construction Water Monitoring	0.50 Lakh/Year
3	Land Environment	Site Sanitation –Mobile toilets	0.50 Lakh/Year
4	Socio-economic	Disinfection- Pest Control First Aid Facilities Health Check Up Creches For Children Food for children Personal Protective Equipment	1.0 Lakh/Year

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP	Sewage Treatment plant	50.00	11.17
2	RWH	Rain Water Harvesting	14.0	0.25
3	MSW	Solid Waste Management	12.75	3.87
4	Solar System	Solar System	19.16	0.38
5	Landscaping	Landscaping	160.0	4.22
6	Swimming Pool	Swimming Pool	9.50	1.68
7	Safety Equipments	Safety Equipments	10	2.00
8	Post E C Monitoring	Post E C Monitoring	-	2.50
9	Dry Waste Management	Dry Waste Management	-	1.09

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

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

52.Any Other Information

No Information Available

53.Traffic Management

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

Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	-
	Total Parking area:	11658 m2
	Area per car:	38.60 m2
	Area per car:	38.60 m2
	Number of 2-Wheelers as approved by competent authority:	640
	Number of 4-Wheelers as approved by competent authority:	282
	Public Transport:	-
	Width of all Internal roads (m):	7 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	-
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	16-09-2016

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Proposed project “Mudra” at S.NO. 685/1, C.T.S. NO. 1760,Munjeri ,Bibwewadi, Pune – 411016.(**Compliance case).**

PP submitted their application for prior Environmental clearance for total plot area of 11,970.90 Sq. Mtrs, BUA of 48,447.97 Sq. Mtrs and FSI area of 25,386.20 Sq. Mtrs. PP proposes to construct 3 nos. of residential buildings,1 no. of commercial building having maximum height of 69.20Mtrs.

PP has obtained earlier EC no. SEAC-2010/CR-40/TC-2 dated 23rd August,2016 for total plot area of 11,970.90 Sq. Mtrs, BUA of 40,933.81 Sq. Mtrs. Now PP has applied for amendment in earlier EC.

This committee took up the compliance report and other documents submitted by the Project Proponent for examination. 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 revise parking layout by removing dependent parking ;PP to revise parking layout showing the present ramp to the parking at first floor with minimum width of 6 meter and slope not less than 1:10
2) PP to submit an undertaking for no change in building footprint.
3) PP submitted dependent parking plan, committee ask to submit revised plan showing independent parking to be provided separately.
4) PP to submit parking statement showing number of cars as per previous & proposed arrangement.
5) PP to submit affidavit for drainage NOC.
6) PP to submit revised parking layout showing drive way also to submit the fire tender movement plan.
7) PP to submit commercial parking statement showing clear isolation.

FINAL RECOMMENDATION

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

64 th SEAC-3 Meeting

SEAC Meeting number: 64 **Meeting Date** April 10, 2018

Subject: Environment Clearance for New Construction Project

Is a Violation Case: No

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

1.Name of Project	â??Proposed Residential projectâ?? by M/s Western City Townships LLP
2.Type of institution	Private
3.Name of Project Proponent	Mr. Nilesh Palresha
4.Name of Consultant	Ultra-Tech (Environment Consultancy & Laboratory)
5.Type of project	Housing
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	S. no. 135/5/1, 135/5/2, 135/6, 135/6/1
9.Taluka	Haveli
10.Village	Pashan
Correspondence Name:	Mr. Nilesh Palresha
Room Number:	S.no. 34 A/6/2, plot no. 3,4,& 6
Floor:	NA
Building Name:	Behind Shakti Sports
Road/Street Name:	Pune-Nagar road
Locality:	Near Inorbit mall Wadgaonsheri,
City:	Pune
11.Area of the project	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	IOD RECEIVED
	IOD/IOA/Concession/Plan Approval Number: Layout no. CC/0584/17 D.P.O./Zone no.6 dated 2/6/2017
	Approved Built-up Area: 33113.51
13.Note on the initiated work (If applicable)	Work not initiated
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Applied for MHADA Sanction
15.Total Plot Area (sq. m.)	9,800
16.Deductions	1,290.48
17.Net Plot area	8084.04
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 20742.39 sq.m. (including MHADA)
	b) Non FSI area (sq. m.): 12371.12
	c) Total BUA area (sq. m.): 33113.51
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 20742.39
	Approved Non FSI area (sq. m.): 12371.12
	Date of Approval: 02-06-2017
19.Total ground coverage (m2)	1600.66 (including MHADA)
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	19.8
21.Estimated cost of the project	690000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building â?? A, 1 number	Basement + 2 Parking + 16 floors	49.95
2	Building â?? B, 1 number	Basement + 2 Parking + 16 floors	49.95
3	Building â?? C, 1 number	Basement + 2 Parking + 16 floors	49.95
4	Building â?? D, 1 number	Basement + 2 Parking + 16 floors	49.95
5	MHADA, 1 number	Parking + 6 floors	19.95

23.Number of tenants and shops	276
24.Number of expected residents / users	1380
25.Tenant density per hectare	336.11
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Nearest Fire Station Kothrud (5.80m) & Width of the road from the nearest fire station to the proposed building is 18m.
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Turning radius for easy access of fire tender movement from all around the building is 9 m.
29.Existing structure (s) if any	NA
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	Pune Municipal Corporation
	Fresh water (CMD):	130
	Recycled water - Flushing (CMD):	65
	Recycled water - Gardening (CMD):	06
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	195
	Fire fighting - Underground water tank(CMD):	100
	Fire fighting - Overhead water tank(CMD):	100
	Excess treated water	65
Wet season:	**Source of water**	Pune Municipal Corporation
	Fresh water (CMD):	130
	Recycled water - Flushing (CMD):	65
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	195
	Fire fighting - Underground water tank(CMD):	100
	Fire fighting - Overhead water tank(CMD):	100
	Excess treated water	73
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Fresh water requirement	--	130	130	--	20	20	--	110	110
Domestic	--	65	65	--	10	10	--	55	55
Gardening	--	06	06	--	06	06	--	00	00

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	NA
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	05
	Size of recharge pits :	3mx3mx3m (LWB)
	Budgetary allocation (Capital cost) :	Rs. 10 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 0.1 Lakhs/Annum
	Details of UGT tanks if any :	Domestic UG tank Capacity: 116cum/day Flushing UG tank Capacity: 58cum/day Fire fighting: 100cum/day
35.Storm water drainage	**Natural water drainage pattern:**	Sloping from West to East
	Quantity of storm water:	114 cum/day
	Size of SWD:	Ã?150mm having slope 1: 40
Sewage and Waste water	**Sewage generation in KLD:**	165 cum/day
	STP technology:	MBBR
	Capacity of STP (CMD):	One no. & 195 cum/day
	Location & area of the STP:	Upper North West corner of Plot
	Budgetary allocation (Capital cost):	Rs. 69.91 Lakhs
	Budgetary allocation (O & M cost):	Rs. 12.63 Lakhs/Annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	168m3 to be used on site for filling
	Disposal of the construction waste debris:	This material shall be used for back filling and levelling of plot.
Waste generation in the operation Phase:	**Dry waste:**	288
	Wet waste:	432
	Hazardous waste:	Negligible
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	39
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Handed over to SWaCH
	Wet waste:	Smart Organic waste composter
	Hazardous waste:	Handed over to authorised dealer as and when required
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as manure
	Others if any:	NA
Area requirement:	**Location(s):**	East of Plot
	Area for the storage of waste & other material:	48.00 sqm
	Area for machinery:	32.00 sqm
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 23.25 Lakhs
	O & M cost:	Rs. 5.23 Lakhs/Annum

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		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 - 380KVA	Diesel â?? 56.43 Ltr/hr	01	05	0.4	280

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel	--	56.43 l/hr	56.43 l/hr
41.Source of Fuel		Authorized dealer		
42.Mode of Transportation of fuel to site		By road		

43.Green Belt Development	**Total RG area :**	850.95 sqm
	No of trees to be cut :	03
	Number of trees to be planted :	123
	List of proposed native trees :	Given
	Timeline for completion of plantation :	Before project completion

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Anthocephalus Cadamba	Kadamb	10	Native, evergreen, gives shade, flowers, mythological value & wound healing medical use
2	Terminalia Catappa	Badam	10	Fruits is edible tasting slightly, Herbal Medicine Use
3	Bauhinia Purepurea	Kanchan	10	Native, attracts birds and insects, medicinal value
4	Plumeria Alba	Champa	13	Native, evergreen, for beautiful fragrant flowers.
5	Plumeriarubra	Laalchafa	10	Anti-oxidative & photolytic activities medicine use & fragrant flowers
6	Callistemon Viminalis	Weeping Bottlebrush	10	Native, for shade, medicinal value, attracts birds & insects
7	Flcusbenjamina	Weeping Fig	10	Evergreen tree, non-flowering, Native, can be pruned and given topiary effect
8	Cassia Javanicca	Apple Blossom Cassia	10	The fruits (legumes) ripen in the fall.
9	Cordiasebestana	Geiger Tree	10	An Ornamental plants, flowering plants
10	Putranjivaroxburghii	Putra- Jiva	10	Evergreen tree, Seed yields fatty oil used for burning, medicinal value
11	Areca Catechu	Supari	10	Medicinal value, Ornamental plants
12	Roystonea Regia	Royal Plam	10	Medicinal value, Ornamental plants
13	Retained Trees	NA	15	NA
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	50 KW
	DG set as Power back-up during construction phase	62.5 KVA
	During Operation phase (Connected load):	1779.22 KW
	During Operation phase (Demand load):	814.69 KVA
	Transformer:	630KVA (2 No)
	DG set as Power back-up during operation phase:	380 KVA (1 No)
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

NA

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	CFL, LED, Solar, Timer, VFD etc.	18%

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Sewage Treatment Plant	Not applicable	Capacity â?? 195 cum
Organic Waste Converter	Not applicable	Total Area â?? 80 cum
DG Set	Not applicable	380KVA (1 No)

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	17.00
	O & M cost:	0.25

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air	Water For Dust Suppression ,air and noise monitoring	2.5
2	Water	Tanker water for construction, water monitoring	2.02

3	Land	Site Sanitation	3.86
4	Biological	Gardening	13.47
5	Socio-Economic	Safety, First Aid, Health Hygiene Facilities, Disinfection at site, Health Check Up, CrÃ¨ches for children, Personal Protective Equipment, CFL lamps for labour hutments	14.96
6	Energy Conservation	CFL lamps for labour hutments	2.52

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Water	STP	69.91	12.63
2	Solid waste	OWC	23.25	5.23
3	Environmental monitoring	--	--	8.95
4	Land	Gardening	28.04	1.80
5	Energy conservation	Solar water heating	17.00	0.25

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Project will confluent on 09m wide road and 02 junctions to main road

Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	6,142.75 sqm
	Area per car:	30
	Area per car:	30
	Number of 2-Wheelers as approved by competent authority:	538
	Number of 4-Wheelers as approved by competent authority:	268
	Public Transport:	Nearest bus stop Ambedkar Nagar (2.4km)
	Width of all Internal roads (m):	9m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8a (B2)
	Court cases pending if any	NA
	Other Relevant Informations	Na
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	24-09-2016

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Proposed residential project At S. No. 135/5/1, 135/5/2, 135/6, 135/6/1, ATPASHAN,PUNE.(**Compliance case)**

PP submitted their application for prior Environmental clearance for total plot area of 9800.00 Sq. Mtrs, BUA of 29,449.93 Sq. Mtrs and FSI area of 13,879.96 Sq. Mtrs. PP proposes to construct 4 nos. of residential buildings,1 no.of MHADA building having maximum height of 49.95 Mtrs, and a club house.

The committee took up the compliance report and other documents submitted by the Project Proponent for examination. 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 make changes in Consolidated Statement as discussed during meeting.
2) PP to submit all NOC,s in to revise form.
3) PP to submit revised CFO NOC
4) PP to submit NOC for swatch.
5) PP to submit revised list of trees.
6) PP to submit Revised DMP & EMP

FINAL RECOMMENDATION

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

64 th SEAC-3 Meeting

SEAC Meeting number: 64 **Meeting Date** April 10, 2018

Subject: Environment Clearance for Environment Clearance for project by M/s Shree Venkatesh Buildcon Pvt Ltd.

Is a Violation Case: No

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

1.Name of Project	Venkatesh Graffiti
2.Type of institution	Private
3.Name of Project Proponent	Mr. Ankush Asabe
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	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Expansion
8.Location of the project	S. No. 31/2/1, 31/2/2A, 31/2/3, 31/2/6, 31/2/7, 35/1B, 31/2/4, 31/2/5, Keshavnagar, Mundhwa, Pune
9.Taluka	Haveli
10.Village	Mundhwa
11.Area of the project	PMRDA
12.IOD/IOA/Concession/Plan Approval Number	Applied
	IOD/IOA/Concession/Plan Approval Number: 1. Previously plan is sanctioned dated 3.2.2015 by collector of Pune 2. Revised plan is submitted to PMRDA for approval
	Approved Built-up Area: 88689.11
13.Note on the initiated work (If applicable)	46508.87 m2 (As per old EC dated 17/03/2015)
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	49800.00 m2
16.Deductions	2190.5 m2
17.Net Plot area	47609.50 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 53074.35 m2
	b) Non FSI area (sq. m.): 35614.76 m2
	c) Total BUA area (sq. m.): 88689.11 m2
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	7217.83m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	14.49% on Plot Area (49800.00 m2) , 15.16% on Net Plot Area (47609.50 m2)
21.Estimated cost of the project	1180000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A	P+11	35.14 m
2	B	P+11	35.14 m
3	C	P+11	35.14 m

4	D	P+11	35.14 m
5	E	P+11	35.14 m
6	F	P+11	35.14 m
7	G	P+4	14.91 m
8	H	P+4	14.91 m
9	I	P+4	14.91 m
10	J	P+4	14.91 m
11	K	P+4	14.91 m
12	L	P+4	14.91 m
13	M	P+4	14.91 m
14	N	P+4	14.91 m
15	P	P+4	14.91 m
16	Q	P+11	35.14 m
17	R	P+11	35.14 m
18	S	P+11	35.14 m
19	O (Commercial)	G + 4	14.95 m

23.Number of tenants and shops	Total Tenements – 870 Nos., Commercial Area – 565.75m2 Shop -6 Nos & Offices – 22 Nos
24.Number of expected residents / users	Residential Users: 4350 Nos. Commercial Users: 120 Nos. Total User: 4470 Nos.
25.Tenant density per hectare	174.69
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Existing 12m (Proposed 60m Major District Road)
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.0 m
29.Existing structure (s) if any	Not Applicable
30.Details of the demolition with disposal (If applicable)	Not Applicable

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	Gram Panchayat
	Fresh water (CMD):	671.07 m3/day
	Recycled water - Flushing (CMD):	199.95 m3/day
	Recycled water - Gardening (CMD):	50.22 m3/day
	Swimming pool make up (Cum):	0.8 m3/day
	Total Water Requirement (CMD) :	420.9m3/day
	Fire fighting - Underground water tank(CMD):	675 m3
	Fire fighting - Overhead water tank(CMD):	-
	Excess treated water	292.21 m3/day
Wet season:	**Source of water**	Gram Panchayat
	Fresh water (CMD):	620.85 m3/day
	Recycled water - Flushing (CMD):	199.95 m3/day
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	0.8 m3/day
	Total Water Requirement (CMD) :	420.9 m3/day
	Fire fighting - Underground water tank(CMD):	675 m3
	Fire fighting - Overhead water tank(CMD):	-
	Excess treated water	342.43 m3/day
Details of Swimming pool (If any)	Dimension of Swimming Pool: 44 ft x 21.5 ft x 4ftBaby Pool : 12 ft x 10 ft x 2ft Total water Requirement in KLD: 106 m3 Water requirement in KLD: 0.8 m3/dayDetails of Plant & Machinery used for treatment of Swimming pool water:Details of quality to be achieved for swimming pool water and parameters to be monitored:• Capital cost : Rs. 18.00 Lakh• O & M Cost : Rs. 2.4 Lakh/Year	

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:**	10 m to 25 m
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	24Nos
	Size of recharge pits :	-
	Budgetary allocation (Capital cost) :	Rs. 18.00 Lakh
	Budgetary allocation (O & M cost) :	Rs. 2.4 Lakh/Year
	Details of UGT tanks if any :	Domestic UG tank Capacity :532.27 m3 Flushing UG tank Capacity :199.9 m3 Fire UG tank Capacity : 675 m3
35.Storm water drainage	**Natural water drainage pattern:**	-
	Quantity of storm water:	1036.73 m3/Hr
	Size of SWD:	450 mm x 450 mm gutter with slope 1:200
Sewage and Waste water	**Sewage generation in KLD:**	542.38 m3/day
	STP technology:	PHYTORID
	Capacity of STP (CMD):	545 m3/day
	Location & area of the STP:	-
	Budgetary allocation (Capital cost):	Rs. 105 Lakh
	Budgetary allocation (O & M cost):	Rs. 5.25 Lakh / Year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	30.00 kg/day
	Disposal of the construction waste debris:	Use for Leveling
Waste generation in the operation Phase:	**Dry waste:**	1317 kg/day
	Wet waste:	888 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	48.81 kg/day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	SWACH
	Wet waste:	Organic Waste Convertor
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Used as Manure after treatment in OWC
	Others if any:	NA
Area requirement:	**Location(s):**	Master layout
	Area for the storage of waste & other material:	102 m2
	Area for machinery:	-
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 30.5 Lakh
	O & M cost:	Rs. 6.54 Lakh/ Year

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	DG Sets	Diesel	1	3.97	Not applicable	Not applicable

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel	Not applicable	42.6 lit./hr & 31 lit./hr	73.6 lit./hr
41.Source of Fuel		Bharat Petroleum Corporation Limited/Hindustan Petroleum		
42.Mode of Transportation of fuel to site		BY ROAD		

43.Green Belt Development	**Total RG area :**	5,519.9 m2
	No of trees to be cut :	NA
	Number of trees to be planted :	737
	List of proposed native trees :	737
	Timeline for completion of plantation :	Mid of construction

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Aliathusexcelsa	Maharukh	24	Medicinal value, To control soil erosion
2	Albizzialebek	Shirish	24	Medicinal for Skin, Fragrant flowers, To control soil erosion, Bird attracting species (Para kids eat seeds).
3	Anthocephalus kadamba	Kadamb	24	Medicinal value, To control soil erosion, Birds, squirrels, monkey eat fruits.
4	Azardirachta indica	Neem	28	Medicinal value, To control soil erosion. To improve soil erosion
5	Bauhinia blakiana	Kanchanraj	28	Every part of the plant is medicinal, Drought tolerant species.
6	Bauhinia purpurea	Gulabikanchan	28	Every part of the plant is medicinal ,Drought tolerant species.
7	Butea monosperma	Palas	28	Medicinal value, Bird attracting species , To control soil erosion.
8	Cassia fistula	Bahawa	53	Medicinal value, Drought tolerant species, Very ornamental, Well flowering plant, Honey bee attracting species, Host plant for Butterfly.
9	Choclospermum religiosum	Sonsawar	24	Medicinal value,Native species
10	Cordia dichotoma	Bhokar	24	Medicinal value, Edible fruits,
11	Dalbbergiasisoo	Shisav	28	Medicinal value, Bird attracting species ,
12	Ficus arnottiana	Payar	21	Drought tolerant species, Bird attracting species. To control soil erosion
13	Ficus glomurata	Umber	28	Medicinal value, Edible fruits, Bird attracting species
14	Ficus retusa	Nandruk	28	Medicinal value, Bird attracting species, Drought tolerant species, Hardy plant.
15	Phyllanthus emblica	Awala	28	Medicinal value
16	Mangifera indica	Mango	20	Edible fruit, Bird attracting species.

17	Michellia champaca	Sonchaffa	57	Medicinal value, Fragrant flowers, Butterfly larvae host plant, Bird attracting species, Fast growing.
18	Pongamia pinnata	Karanj	28	Medicinal value, Drought tolerant species, To control soil erosion. Hardy plant.
19	Saraca indica	Sita-ashok	28	Medicinal value, Religious plant.
20	Syzygium cumini	Jamun	20	Medicinal value, Edible fruit.
21	Azardirachta indica	Neem	15	Medicinal value, To control soil erosion. To improve soil erosion
22	Bahunia racemosa	Apta	14	Every part of the plant is medicinal, Drought tolerant species.
23	Caryota urens	Fishtail palm	14	Grown in any type of soil. Very Hardy.
24	Citrus species	Lemon	16	Medicinal value, Edible fruit.
25	Dalbbergia sisoo	Shisav	12	Medicinal value, Bird attracting species
26	Erythrina indica	Pangara	15	Fragrant flowers, Drought tolerant species, Birds attracting
27	Gmelina arborea	Shivan	10	Medicinal value, Drought tolerant species, Bird attracting species.
28	Mimosups elengii	Bakul	12	Fragrant flowers, Medicinal value, To control soil erosion.
29	Murraya koengii	Kadipatta	10	Medicinal value, Edible leaves.
30	Aegle marmelos	Bel	12	Medicinal value, Edible fruit.
31	Nyctanthus arbotritrits	Parijatak	12	Fragrant flowers, Medicinal value,
32	Putranjiva roxburghii	Putrnjiva	12	Medicinal value, Drought tolerant species,
33	Roystonia regia	Bottle palm	12	Ornamental plant,Medicinal value, Birds & bats eat fruits.
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	62.5 KVA – 1 No
	During Operation phase (Connected load):	4048 KW
	During Operation phase (Demand load):	1899 KW
	Transformer:	3 nos.630 KVA (for existing) 1 nos.630 KVA (for proposed)
	DG set as Power back-up during operation phase:	1 Nos. x 200 KVA 1 Nos. x 160 KVA
	Fuel used:	35 lit./hr.
	Details of high tension line passing through the plot if any:	No

48.Energy saving by non-conventional method:

Timer control external & common area lighting
Daylight cum occupancy sensors in parking area lighting
Maximum use of daylight in tenements area by providing appropriate window sizing
Energy efficient lighting fixtures (CFL / LED lights) to all Buildings
Saving in Energy Consumption is 20.1 %
Use of CFL / LED lamps in all public/ common areas..
Solar powered water heating for all tenements
Separate energy meter for all pollution devices

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	SOLAR ENERGY - Outdoor Lighting / Street Lights	6750 KWH / Annum
2	Auto Timer Logic Controller	55188 KWH / Annum
3	Electronic V3F drive for Lifts	36759 KWH / Annum
4	Solar Water heater	1211040 KWH / Annum

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:**	144 Lakh
	O & M cost:	4.83 Lakh/Year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water for Dust Suppression Air & Noise Monitoring	0.50 Lakh/Year
2	Water Environment	Tanker Water for Construction Water Monitoring	0.50 Lakh/Year
3	Land Environment	Site Sanitation –Mobile toilets	0.50 Lakh/Year
4	Socio-economic	Disinfection- Pest Control First Aid Facilities Health Check Up Creches For Children Food for children Personal Protective Equipment	1.0 Lakh/Year

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP	Sewage treatment plant	105.0	5.25
2	RWH	Rain Water Harvesting	18.00	2.4
3	MSW	Solid Waste Management	30.5	6.54
4	Solar System	Solar System	144	4.83
5	Landscaping	Landscaping	120.0	19.18
6	Swimming Pool	Swimming Pool	18.00	2.4
7	Safety Equipments	Safety Equipments	10.00	2.0
8	Post EC Monitoring	Post EC Monitoring	-	2.5
9	Dry Waste management	Dry Waste management	-	5.22

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

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

52.Any Other Information

No Information Available

53.Traffic Management		
	Nos. of the junction to the main road & design of confluence:	-
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	-
	Total Parking area:	24405.34 m2
	Area per car:	54.72 m2
	Area per car:	54.72 m2
	Number of 2-Wheelers as approved by competent authority:	1008
	Number of 4-Wheelers as approved by competent authority:	446
	Public Transport:	NA
	Width of all Internal roads (m):	12 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	-
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	26-09-2016

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Proposed project at S. No. 31/2/1, 31/2/2A, 31/2/3, 31/2/6, 31/2/7,35/1B, 31/2/4, 31/2/5, Mundhwa,TalukaHaveli,Distt. Pune .**(Compliance case)**

PP submitted their application for prior Environmental clearance for total plot area of 49,800.00 Sq. Mtrs, BUA of 88,689.11 Sq. Mtrs and FSI area of 53,074.35 Sq. Mtrs. PP proposes to construct 18 nos. of residential buildings,1 no. of commercial building having maximum height of 35.14 Mtrs, and a club house.

PP has obtained earlier EC no. SEAC-2013/CR-244/TC-2 dated 17th March 2015 for total plot area of 38,600.00 Sq. Mtrs, BUA of 68,234.00 Sq. Mtrs. Now PP has applied for amendment in EC.

This committee took up the compliance report and other documents submitted by the Project Proponent for examination. The proposal is appraised as category 8 (a) B2.

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) IOD/IOA/Concession Document/Plan Approval or any other form of documents as applicable clarifying its conformity with local planning rules and provisions there under as per the Circular dated 30.01.2014 issued by the Environment Department, Govt. of Maharashtra,be submitted to SEIAA.
2) PP to submit revised copy of architect certificate for constructed area.
3) PP to submit copy of DMP
4) PP to upload all compliance points chronologically on website.

FINAL RECOMMENDATION

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

64 th SEAC-3 Meeting

SEAC Meeting number: 64 **Meeting Date** April 10, 2018

Subject: Environment Clearance for Proposed Expansion of Residential and Commercial Development

Is a Violation Case: No

1.Name of Project	Eastern Meadows, Plot A out of Gat No. 1344/1/1 and 1344/1/2 Wagholi, Taluka Haveli, Pune
2.Type of institution	Private
3.Name of Project Proponent	Guardian Promoters And Developers Pvt. Ltd.
4.Name of Consultant	ULTRATECH
5.Type of project	Housing
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes we have obtained
8.Location of the project	Plot A, out of Gat No. 1344/1/1 and 1344/1/2 Wagholi, Pune
9.Taluka	Haveli
10.Village	Wagholi
Correspondence Name:	Guardian Promoters & Developers Pvt. Ltd.
Room Number:	Office No. 102
Floor:	First
Building Name:	Chintamani Pride Building,
Road/Street Name:	Near City pride Kothrud Multiplex
Locality:	Kothrud
City:	Pune
11.Area of the project	Pune Metropolitan Region Development Authority
12.IOD/IOA/Concession/Plan Approval Number	Commencement Certificate Issued By Pune Metropolitan Region Development Authority
	IOD/IOA/Concession/Plan Approval Number: DP/BHA/C.R. No.191/17-18/Mouje Wagholi/G.No.1344 & Others Dated 16.06.2017
	Approved Built-up Area: 55049.46
13.Note on the initiated work (If applicable)	We have initiated work as per old EC
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	40000
16.Deductions	5140.92
17.Net Plot area	34859.08
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 55026.42
	b) Non FSI area (sq. m.): 79298.77
	c) Total BUA area (sq. m.): 134325.19
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 55049.46
	Approved Non FSI area (sq. m.): 79298.77
	Date of Approval: 16-06-2017
19.Total ground coverage (m2)	17826.71
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	45 %
21.Estimated cost of the project	2065400000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A1 - Type	P + 12	37.05
2	A2- Type	P + 11	34.20
3	A 3 Type	P + 11	34.20
4	A 4 Type	P + 12	37.05
5	A 5 Type	L. P. + U. P.+ P + 12	42.75
6	A 6 Type	L. P. + U. P.+ P + 11	39.90
7	A 7 Type	L. P. + U. P.+ P + 11	39.90
8	A 8 Type	L. P. + U. P.+ P + 12	42.75
9	B 1 Type	P + 12	37.05
10	B 2 Type	P + 12	37.05
11	B 3 Type	L. P. + U. P.+ P + 12	42.75
12	B 4 Type	L. P. + U. P.+ P + 12	42.75
13	C 1 Type	L. P. + U. P. + 11	37.05
14	C 2 Type	L. P. + U. P. + 11	37.05
15	Commercial	G + 1	7.80

23.Number of tenants and shops	Residential: 908 and 14 shops and 14 Offices
24.Number of expected residents / users	Residential 4540 and floating 214
25.Tenant density per hectare	168
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
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9m
29.Existing structure (s) if any	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**	Grampanchayat Wagholi
	Fresh water (CMD):	422.82
	Recycled water - Flushing (CMD):	209.58
	Recycled water - Gardening (CMD):	58.50
	Swimming pool make up (Cum):	5.00
	Total Water Requirement (CMD) :	696.00
	Fire fighting - Underground water tank(CMD):	500
	Fire fighting - Overhead water tank(CMD):	280
	Excess treated water	305.50
Wet season:	**Source of water**	Grampanchayat Wagholi
	Fresh water (CMD):	422.82
	Recycled water - Flushing (CMD):	209.58
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	632.40
	Fire fighting - Underground water tank(CMD):	500
	Fire fighting - Overhead water tank(CMD):	280
	Excess treated water	364.58
Details of Swimming pool (If any)	Swimming pool of size 17.25 m X 8.15 m X 1.2 m + Reflection Water Body	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Fresh water requirement	392	36.00	428.00	58.55	4.69	63.24	526.95	46.05	573.00
Domestic	387	36.00	423.00	38.70	2.58	41.28	348.30	23.70	372.00
Gardening	65	-6.50	58.50	0	0	0	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	BGL 30m
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	15 nos
	Size of recharge pits :	2.0 m x 2.0 m X 2.0 m
	Budgetary allocation (Capital cost) :	5.25 Lakhs
	Budgetary allocation (O & M cost) :	0.525 Lakhs
	Details of UGT tanks if any :	UGT Capacity - 16,00,000 LTRS
35.Storm water drainage	**Natural water drainage pattern:**	W to E
	Quantity of storm water:	0.40 m3/sec
	Size of SWD:	600 mm
Sewage and Waste water	**Sewage generation in KLD:**	574
	STP technology:	MMBR
	Capacity of STP (CMD):	1 no. of 580 KLD
	Location & area of the STP:	As per layout
	Budgetary allocation (Capital cost):	107 Lakhs
	Budgetary allocation (O & M cost):	22.62 Lakhs
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	70 Kg/ Day
	Disposal of the construction waste debris:	Land Fill & Plot leveling.
Waste generation in the operation Phase:	**Dry waste:**	940 Kg
	Wet waste:	1384 Kg
	Hazardous waste:	Nil
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	87 kg/day
	Others if any:	E Waste: 2481 Kg / Annum

Mode of Disposal of waste:	**Dry waste:**	Sent to authorized recycler
	Wet waste:	treated in composting machine (OWC)
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	used as manure within the premises
	Others if any:	Send to Authorized recycler
Area requirement:	**Location(s):**	As per layout
	Area for the storage of waste & other material:	140 Sq. Mtr. Including Area of Machinery.
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	32.95 Lacs
	O & M cost:	10.40 lacs

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	NA	6.0 – 8.5	5.5 – 9.0	5.5 – 9.0
2	Oil & Grease	(mg/l)	10 – 20	< 10	< 10
3	Biological Oxygen Demand (BOD)	(mg/l)	200 – 250	< 10	< 20
4	Chemical Oxygen Demand (COD)	(mg/l)	350 – 450	<60	< 250
5	Total Suspended Solid (TSS)	(mg/l)	150 – 200	< 10	< 50

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	200 KVA DG - 1 no	Diesel	1	6.83	0.165	550 deg C
2	180 KVA DG - 1 no	Diesel	1	6.68	0.165	500 Deg C
3	100 KVA DG- 2 nos	Diesel	1	6	0.115	450 Deg C

4	40 KVA DG- 1 no	Diesel	1	5.26	0.064	Not applicable

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel	100	620	720
41.Source of Fuel		Petrol - Diesel Pump		
42.Mode of Transportation of fuel to site		By Road		

43.Green Belt Development	**Total RG area :**	7779.59
	No of trees to be cut :	0
	Number of trees to be planted :	500
	List of proposed native trees :	500
	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	Manikara zapota	Chikoo	43	Tropical fruit tree & bird attracting tree
2	Michelia champaca	Champa	41	Evergreen timber plant, ornamental
3	Mimusopes elengi	Bakul	41	Evergreen tree, timber yielding and medicinal plant
4	Ficus benjamina	Weeping fig	41	Evergreen & bird attracting tree
5	Cassia fistula	Golden shower	41	Drought tolerant, ornamental & medicinal plant
6	Butea monosperma	Flame tree	38	Used in pesticide & dye preparation
7	Cassia grandis	Pink shower	41	Drought tolerant, ornamental & medicinal plant
8	Saraca indica	Sita ashok	41	Evergreen medicinal plant
9	Roystonea regia	Royal palm	43	Nitrogen fixer, ornamental plant
10	Syzygium cumini	Jambhul	20	fruit tree & bird attracting
11	Neolamarkia cadamba	Kadamba tree	41	Tropical fruit tree & bird attracting tree
12	Mangifera indica	Mango tree	41	Evergreen & bird attracting tree
45.Total quantity of plants on ground				

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

Serial Number	Name	C/C Distance	Area m2
1	NA	NA	905.04

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	30KW
	DG set as Power back-up during construction phase	40 KW
	During Operation phase (Connected load):	5631 kW
	During Operation phase (Demand load):	2509 kW
	Transformer:	4 No. x 630 KVA and 1 No. x 315 KVA
	DG set as Power back-up during operation phase:	1 No. x 200 KVA, 1 No. x 180 KVA, 2 Nos. x 100 KVA And 1 No. x 40 KVA.
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

1) 8 W Light Fitting for common areas i.e. Bldg. Parking, Staircases, Passage ,Terrace Floor- Saving Per Year = 112420 KWH, Saving Per Day = 308 KWH
2) 13 W Garden Pole - Light Fitting For Landscape Area - Saving Per Year = 789 KWH, Saving Per Day = 2.16 KWH
3) 5 W Up Lighter - Light Fitting For Landscape Area. Saving Per Year = 408 KWH, Saving Per Day = 1.12 KWH
4) 8 W Bollard Light - Light Fitting For Landscape Area- Saving per Year = 715 KWH, Saving per Day = 1.96 KWH
5) 20 W Street Light Fitting - Pole Light On Road Side- Saving Per Year = 3011 KWH, Saving Per Day = 8.25 KWH
6) 13 W Street Light Fitting on the Bldg.- Saving Per Year = 8673 KWH, Saving Per Day = 23.76 KWH
7) Solar Power Pack - 63 kVA
Total annual Saving - 126016 KWH

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	The following Energy Conservation Methods are proposed in the project: 1) Solar Water Heating Systems Will Be Done For Master Bathrooms. 2) Solar lights will be provided for common amenities like Street lighting & Garden lighting. 3) CFL & LED based lighting will be done in the common areas, landscape areas, signage's, Entry gates and boundary compound walls etc. 4) Auto Timer Switches will be provided for Street lights, Garden lights, Parking & staircase Lights & Other Common Area Lights, for s	2.70 % per day

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
STP	1 no. of STP having capacity 530kld	1 NO. STP having capacity 580 KLD.
OWC	COMPOSTING	COMPOSTING
DG sets	1 no. of 180 KVA , 1 no. of 160 KVA and 2 nos. of 125KVA	revised old capacities 1 No. x 200 KVA, 1 No. x 180 KVA, 2 Nos. x 100 KVA And 1 No. x 40 KVA.

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	141.20Lacs
	O & M cost:	2.82 lacs per annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water for Dust Suppression, Air & Noise monitoring	1.2
2	Water Environment	Environmental Monitoring and Tanker water for construction	1.32
3	Land Environment	Site Sanitation	7.56
4	Biological Environment	Gardening	5.20
5	Socio- Economic Environment	Health Check Up,Disinfection- Pest Control ,First Aid Facilities,Creche for children ,Personal protective equipment	7.75

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Rain Water Harvesting	RWH Pits	5.25	0.52
2	Sewage Treatment Plant	sewage	107.00	22.62
3	Organic Waste Composting	composting	32.95	10.40
4	Gardening	Tree Plantation	34.98	2.77
5	Electrical	Energy saving	141.20	2.82
6	Environment Monitoring	Environment Monitoring	outside lab	10.04

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Well connected & accessible by 30 m & 18 m wide roads
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	0 for part buildings, 1 no for part buildings & 2 nos for part buildings.
	Total Parking area:	39679.72 m2
	Area per car:	30
	Area per car:	30
	Number of 2-Wheelers as approved by competent authority:	1413
	Number of 4-Wheelers as approved by competent authority:	468
	Public Transport:	via bus
	Width of all Internal roads (m):	6m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8a (B2)
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for Proposed Expansion of Residential and Commercial Development at Plot A, out of Gat No. 1344/1/1 and 1344/1/2 Wagholi, Pune by **Guardian Promoters & developers Pvt Ltd.**

PP submitted their application for Expansion of Environmental clearance for total plot area of 40000 Sq. Mtrs, BUA of 120741 Sq. Mtrs and FSI area of 55026.42 Sq. Mtrs. PP proposes to construct 14 no. residential building and 1 no Commercial building.

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

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) PP to upload six month compliance report
2) PP to submit undertaking for storm water drainage arrangement.
3) PP to remove manhole arrangement for SWD
4) PP to submit plan for sewer line connectivity (124 meter)
5) PP to submit plan for revised RG on virgin ground restricting the development on the same.
6) PP to upload specific NOC from grampanchyat to lay the sewer line to exiting chamber on public road.

FINAL RECOMMENDATION

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

64 th SEAC-3 Meeting

SEAC Meeting number: 64 **Meeting Date** April 10, 2018

Subject: Environment Clearance for My world 'Gut No. 708, Opp. Airport, Chikalthana, Aurangabad.

Is a Violation Case: No

1.Name of Project	My world 'Gut No. 708, Opp. Airport, Chikalthana, Aurangabad.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Bagadiya Nitin
4.Name of Consultant	M/s. Building Environment (I) Pvt.Ltd.
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Gut.No. 708, Opp.Airport,Chikalthana,Aurangabad
9.Taluka	Aurangabad
10.Village	Chikalthana, Aurangabad
Correspondence Name:	Er. Milind Wadekar
Room Number:	101
Floor:	First Floor
Building Name:	Sai Trade Center
Road/Street Name:	RTO Road
Locality:	Near Railway Station
City:	Aurangabad
11.Area of the project	Aurangabad Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Approved layout of town planning Municipal Corporation Aurangabad on dated 06/02/2018
	IOD/IOA/Concession/Plan Approval Number: AMC /Town Planning Section/ADTP/2018/165
	Approved Built-up Area: 79222.57
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	--
15.Total Plot Area (sq. m.)	72602.25 Sq.m
16.Deductions	18898.30 Sq.m
17.Net Plot area	6757.27
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 79222.54 Sq.m.
	b) Non FSI area (sq. m.): 67806.95 Sq.m.
	c) Total BUA area (sq. m.): 147029.52
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)	21626.68
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	40.27%
21.Estimated cost of the project	1800000000

22.Number of buildings & its configuration

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

1	Plot 1 - A1, A2, A3, A4	B+G+9th floor	31.5 m
2	Plot 2 - D1,D2,D3.D4,D5,D6	B+G+9th floor	31.5 M
3	Plot 3 - C1,C2,C3,C4,C5,C6,C7,C8,C9	B+G+9th floor	31.5 M
4	Plot 4 - B1,B2,B3,B4,B5,B6,B7,B8,B9	B+G+9th floor	31.5 M

23.Number of tenants and shops	Residential Tenements -976 Nos. Commercial Shops - 75 Nos.
24.Number of expected residents / users	Residential - 4880, Commercial - 787.
25.Tenant density per hectare	134.43
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	60 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	7.5 m at center of the road
29.Existing structure (s) if any	1 shrine
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**	AMC
	Fresh water (CMD):	454.94 Cum/day
	Recycled water - Flushing (CMD):	239.28 Cum/day
	Recycled water - Gardening (CMD):	49.88 Cum/day
	Swimming pool make up (Cum):	6.00 Cum/day
	Total Water Requirement (CMD) :	744.1 Cum/day
	Fire fighting - Underground water tank(CMD):	Plot No. 1. 150 m3, Plot No. 2. 200 m3, Plot.No.3. 150m3, Plot.No. 4. 150m3
	Fire fighting - Overhead water tank(CMD):	Plot No. 1. 600 m3, Plot No. 2. 800 m3, Plot.No.3. 600 m3, Plot.No. 4. 600m3
	Excess treated water	335.63 Cum/day
Wet season:	**Source of water**	AMC
	Fresh water (CMD):	454.94 Cum/day
	Recycled water - Flushing (CMD):	239.28 Cum/day
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	6.00 Cum/day
	Total Water Requirement (CMD) :	694.22 Cum/day
	Fire fighting - Underground water tank(CMD):	Plot No. 1. 150 m3, Plot No. 2. 200 m3, Plot.No.3. 150m3, Plot.No. 4. 150m3
	Fire fighting - Overhead water tank(CMD):	Plot No. 1. 600 m3, Plot No. 2. 800 m3, Plot.No.3. 600 m3, Plot.No. 4. 600 m3
	Excess treated water	385.52 Cum/day

Details of Swimming pool (If any)	185.80 Details of Plant & Machinery used for treatment of Swimming pool water – Biological 1) Bacteria - Added by bathers most dangerous from nose, throat and festering sores & wounds 2) Algae - in pool water (spores from atmosphere and in main water supply Physical and Chemical 1) Dissolved pollution like urine, perspiration, body cosmetics, sun tan lotions 2) Suspended pollution like minute chemical particles produced by chemical reactions in water treatment. 3) Surface pollutions like hair, dust, body grease, ex creta from nose & throat floating debris, grass. 4) Insoluble pollutions like fluff, dirt (soil, stones) precipitated chemicals Turn Over Rate (As Per European Standard) Semi Public Pool - 4 To 6 Hours Cycle Turn Semi Public: Turn Over Rate 4 To 6 Hours for A Turn Time Required For 100% Purification 20 To 24 Hours. Filtration Flow Rate= (Pool Volume / Turnover Rate) - 60 cum / Hours Specific Velocity (Rate of Filtration) - 30 To 40 cum / Sq. Mt / Hr. Filter - 2 numbers of 900 mtr diameter vertical filter to achieve a total filtration area. MOC and technical specifications of filter - the material of constructions (moc) of the filter is of fiberglass reinforced with polyester, injection molded thermoplastic resin, stainless steel or mild steel. Surge (Balancing) Tank - (2.50 X 4.00 X 2.00) MTR Equipment Room Size - (5.50 X 4.50 X 3.00) MTR Main Drains - S. S. Grates And Polyester Drains With Velocity 0.50 Mtr / Sec With Anti Vortex Lid. Suction Inlets - floor inlets - 7 no's with nozzle flow rate of 9 cum / hr. Overflow Gutter Drain - 5 No's With Capacity of 7 cum / Hr. Over Flow Gratings - Pp Stabilized Ladder - 2 no's stainless steel of 43 mm diameter pipe as required on site Details of quality to be achieved for swimming pool water and parameters to be monitored: after commissioning the pool, water would be analysed and controlled regularly and it would be corrected automatically and immediately, especially the UV & PH. the water quality should always comply with the local health standards. For maintaining pool water always crystal clear and free from bacteria, debris, organisms, algae and viruses that eventually could damage the water quality and cause health hazard. manufacturers, has offered a complete range of chemical products and their corresponding dosing and dispensing systems, to satisfy all possible needs for correctly treating. Methods of Disinfection of Pool Water (Process Used For Sanitization To Maintain Chlorine & PH Value): Ozonation / U.V.

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:**	8 to 10 M
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	14 pits
	Size of recharge pits :	2.0 x 3.0 x 1.5 m
	Budgetary allocation (Capital cost) :	10.5 Lakh
	Budgetary allocation (O & M cost) :	0.75 Lakh
	Details of UGT tanks if any :	For Domestic Capacity (m3) : Plot 1 - 100 m3., Plot 2 - 150 m3 ., Plot 3 - 210 m3 ., Plot 4 - 230 m3 For Fire Fighting Capacity (m3) : Plot 1 - 150 m3., Plot 2 - 200 m3 ., Plot 3 - 150 m3 ., Plot 4 - 150 m3
35.Storm water drainage	**Natural water drainage pattern:**	the arrangement for disposal of SW through and form the plot as per the remark of SW department M.C.G.M.
	Quantity of storm water:	2032.625 m3/hr.
	Size of SWD:	Diameter - 900 mm
Sewage and Waste water	**Sewage generation in KLD:**	624.79
	STP technology:	MBBR
	Capacity of STP (CMD):	2 No. Plot No. 1 & 4 - 300 cum/day, Plot No. 2 & 3 - 330 cum/day
	Location & area of the STP:	312.95 Sq.m.
	Budgetary allocation (Capital cost):	120 Lakhs
	Budgetary allocation (O & M cost):	10.25 Lakhs / Year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	37.5 Kg/day
	Disposal of the construction waste debris:	waste debris will be used for leveling of site.
Waste generation in the operation Phase:	**Dry waste:**	765.04 kg/day
	Wet waste:	1785.10 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	66.23 kg/day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Handover to authorized vender
	Wet waste:	Organic Waste Converter
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	66.23 kg/day
	Others if any:	NA
Area requirement:	**Location(s):**	On Ground
	Area for the storage of waste & other material:	Plot 1. - 40 Sq.m. , Plot 2 - 40 Sq.m., Plot 3 - 40 Sq.m, Plot 4. - 40 Sq.m.
	Area for machinery:	Plot 1. - 20 Sq.m. , Plot 2 - 20 Sq.m., Plot 3 - 20 Sq.m, Plot 4. - 20 Sq.m.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	53.25 Lakhs
	O & M cost:	11.48 Lakhs / Year

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	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 :**	5371.84 Sq.m.
	No of trees to be cut :	Nil
	Number of trees to be planted :	750 Nos.
	List of proposed native trees :	750 Nos.
	Timeline for completion of plantation :	3 Years

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Mimusops elengi	Bakul	37	Medium sized evergreen tree. Beautiful white flowers.
2	Nyctanthes arbor-tristis	Parijatak	22	Small deciduous tree. Flowers white with orange petal tube.
3	Cassia fistula	Bahawa	46	Small deciduous tree. Flowers yellow.
4	Putranjiva raxburghii	Putranjiva	32	Small sized evergreen tree. Beautiful greenish yellow flowers.
5	Lagerstromia speciosa	Tamhan	40	Small to medium sized. Flowers with white to purple petals.
6	Michelia champaca	Sonchafa	22	Large evergreen trees. Flowers yellow.
7	Saraca asoka	Seeta ashok	23	Small sized evergreen tree. Flowers reddish orange.
8	Citrus sp	Lemon	40	Butterfly Host Plant
9	Murraya Koengii	Curry Leaf / Kadipatta	40	Butterfly Host Plant
10	Anthocephallus cadamba	Kadamb	19	Large evergreen trees. Flowers creamish white.
11	Murraya paniculata	Kunti	79	Small tree, Fragrant white flowers.
12	Bauhinia racemosa	Pivla Kanchan	32	Small sized deciduous tree. Flowers white.
13	Tecoma Stans	Tecoma	18	--
14	Alstonia Scholaris	Satvin	14	Shady, large, fast, growing evergreen tree, Ball shaped flowers.
15	Plumeria Alba	chapha Alba	38	--
16	Plumeria Rubra	Chapha Rubra	26	--
17	Plumeria Alba Dwart	Chapha Alba Dwart	13	--
18	Gmelina Arborea	Shivan	20	Fast growing tree with beautiful yellow flowers.
19	ficusretusa	Nandruk	18	Medium sized, shady, evergreen tree.
20	Woodyetia bifurcata	Foxtail palm	21	Large palm, Stem single, with shallow, close rings of leaf bases.
21	Elaeis guineensis	Oil palm	22	--
22	Dypsis lutescens	Areca palm	64	--

23	Caryot aurens	Fishtail palm	26	Tall evergreen tree.
24	Roystonea regia	Date palm	19	Large palm, Stem single, bulging into a bottle shape.
25	Phoenix roebelenii	Dwart Date Palm	19	Small palm, Stem single, bulging into a bottle shape.
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	Golden Dewdrop- Duranta Plumieri	-	-
2	Oleander - Nerium Odorum	-	-
3	Paper-chase tree - Mussanda Clabrata	-	-
4	Bougainvillea Glabra	-	-
5	Golden champak - Ochna Squarrosa	-	-
6	Coral Creeper - Antigonon Leptopus	-	-

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	45 KW
	DG set as Power back-up during construction phase	1 No. x 62.5 KVA
	During Operation phase (Connected load):	1. Plot-1- 1220 KW, 1525 KVA, 2. Plot-2-1727 KW, 2159 KVA, 3. Plot-3-1838 KW, 2297 KVA, 4. Plot-4- 1658 KW, 2072 KVA.
	During Operation phase (Demand load):	1. Plot-1- 587 KW, 734 KVA, 2. Plot-2- 828 KW, 1035 KVA, 3. Plot-3- 906 KW, 1132 KVA, 4. Plot-4- 808 KW, 1010 KVA.
	Transformer:	Transformer : Plot 1. 1 x 600 KVA, 1 x 315 KVA., Plot 2. 2 x 630 KVA, Plot 3. 2 x 630 KVA Plot 4. 2 x 630 KVA.
	DG set as Power back-up during operation phase:	DG Set : Plot 1. 1 x 100 KVA., Plot 2. 1 x 140 KVA, Plot 3. 1 x 200 KVA Plot 4. 1 x 200 KVA.
	Fuel used:	Diesel Plot 1. 19.2 liters/hr. Plot 2. 26.07 liters/hr. Plot 3. 36.8 liters/hr. Plot 4. 36.8 liters/hr.
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

? Use of LED in Parking area, lift-lobby and stair-case.
? Using Solar system in Common Area Lighting (10%). & Street/ Landscape lights with LED lamps.
? V3F drive is proposed for all lifts.
? As per MSEDCL requirements, it is recommended to use low loss Transformer. Losses for Transformer shall, in principal, comply with ECBC norms.
? Recommend to attain power factor of the installation near unity.
? Independent Energy meters for all pollution control equipments.
Following are the Energy efficient fixtures recommended for energy conservation:-
? T5 lamp & Electronic Ballasts are proposed for parking areas.
? LED type of light source is proposed for common Lobby, Lounge, and Staircase area.
? Automatic time based controls are proposed for all outside lighting to save power by avoiding manual switching ON & OFF the lights.
? Motion Sensors are proposed in Car Parking Areas & Lift lobbies.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	1. Solar PV for Common Lighting	• Plot-1 -8 KWh / day, 2920 KWh /Annum. • Plot-2 -8 KWh / day, 2920 KWh /Annum. • Plot-3 -16 KWh / day, 5840 KWh /Annum. • Plot-4 -8 KWh / day, 2920 KWh /Annum.
2	2. Solar Water Heater	• Plot-1 -115.50 KWh / day, 42157.50 KWh /Annum. • Plot-2 -172.50 KWh / day, 62962.50 KWh /Annum. • Plot-3 -262.50 KWh / day, 95812.50 KWh /Annum. • Plot-4 -273.00 KWh / day, 99645.00 KWh /Annum.
3	Total	300577.50 KWH / Annum
4	% of Saving	13.00 %

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:**	Substation : Plot 1. 40 Lakhs, Plot 2. 50 Lakh, Plot 3. 50 Lakh, Plot 4. 50 Lakh. DG cost : Plot 1. 8 Lakh, Plot.2. 10 Lakh, Plot 3. 12.5 Lakh, Plot 4. 12.5 Lakh. Solar PV : Plot.1. 1 lakh, Plot.2. 1 Lakh, Plot.3. 2 Lakh, Plot.4. 1 Lakh
	O & M cost:	Substation : Plot 1. 4 Lakh, Plot 2. 5 Lakh, Plot 3. 5 Lakh, Plot 4. 5 Lakh. DG cost : Plot 1. 0.8 Lakh, Plot.2. 1 Lakh, Plot 3. 1.25 Lakh, Plot 4. 1.25 Lakh. Solar PV : Plot.1. 0.1 lakh, Plot.2. 0.1 Lakh, Plot.3. 0.2 Lakh, Plot.4. 0.1 Lakh

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air	Erosion control – dust suppression measures and barricading	Rs. 0.8 Lakh
2	Land	Site Sanitation	Rs. 0.25 Lakh
3	Land	Site Safety	Rs. 0.7 Lakh
4	Air,Water,Soil and Bio	Environmental Monioring	Rs. 0.9 Lakh
5	Socio Economic	Disinfection and Health Check-ups	Rs. 0.25 Lakh

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	STP	120	10.25
2	Solid waste management	2410 kg/day	Rs. 53.00 Lakh	Rs. 2.00 Lakh
3	Recharge Pits	14	Rs. 10.5 Lakh	Rs. 0.75 Lakh
4	Landscaping	750 trees	Rs. 10.0 Lakh	Rs. 1.0 Lakh
5	Solar System	Use of Solar Panels for Hot Water. (Solar Panel will not be used for minimum 15 Days during rainy season. Conventional Electric gyser will be used during this period.)	Rs. 5.0 Lakh	Rs 0.5 Lakh
6	Environmental Monitoring	MOEF approved laboratory	---	Rs 1.0 Lakh

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

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

52.Any Other Information

No Information Available

53.Traffic Management

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

Parking details:	**Number and area of basement:**	1 No. Plot 1- 4378.04 sq.m, Plot 2 – 6151.83 sq.m, plot no. 3 – 7087.23 sq.m, plot 4 – 2723.62 sq.m
	Number and area of podia:	Plot 1 – 413.38 sq.m, plot 2 – 1428.37 sq.m, plot no.3 – 1256.31 sq.m, plot no. – 2306.13sq.m
	Total Parking area:	43779.20 sq.m
	Area per car:	2.5 m x 5 m
	Area per car:	2.5 m x 5 m
	Number of 2-Wheelers as approved by competent authority:	required 1380, provided - 1388
	Number of 4-Wheelers as approved by competent authority:	required 690, provided - 694
	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	Category B
	Court cases pending if any	NA
	Other Relevant Informations	--
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for My world 'Gut No. 708, Opp. Airport, Chikalthana, Aurangabad.by **M/s Simar Pride Ventures LLP.**

PP submitted their application for prior Environmental clearance for total plot area of 72602.25 Sq. Mtrs, BUA of 147029.52 Sq. Mtrs and FSI area of 79222.54 Sq. Mtrs. PP proposes to construct 28 no. residential building.

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

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) PP to upload undertaking for assured water supply.
2) PP to upload details of socioeconomic infrastructure especially primary school within vicinity.
3) PP to explore the possibility to all OWC locations shall be accessible.

FINAL RECOMMENDATION

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