58th SEAC-3 meeting

SEAC Meeting number: 58th meeting **Meeting Date** July 15, 2017

Subject: Environment Clearance for Integrated Tourism Development of Shri Mahalaxmi Jagadamba Sanstha, Koradi, Tehsil Kamptee, Dist. Nagpur

1.Name of Project	Integrated Tourism Development of Shri Mahalaxmi Jagadamba Sanstha, Koradi, Tehsil Kamptee, Dist. Nagpur
2.Type of institution	Government
3.Name of Project Proponent	Nagpur Improvement Trust, Station Road, Sadar, Nagpur 440 001
4.Name of Consultant	Dr. V.P. Thergaonkar, Enviro Techno Consult Private Limited
5.Type of project	Tourism Development at existing Mahalaxmi Complex
6.New project/expansion in existing project/modernization/diversification in existing project	Provision of facilities at the temple
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Near Temple at village Koradi - Kh. No. 165,170/3, 171/2, 171/4, 172, 189, 234 (Old 186)
9.Taluka	Kamptee
10.Village	Koradi
11.Area of the project	Grampanchayat Koradi, on Nagpur, Chhindwara Road
12.IOD/IOA/Concession/Plan Approval Number	Govt. of Maharashtra has approved the project vide letter No-2015/UOR-58/P.No. 114/UD-26 dated 21.12. 2015
	IOD/IOA/Concession/Plan Approval Number: As above
	Approved Built-up Area: 27976
13.Note on the initiated work (If applicable)	Not started
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Govt. of Maharashtra has approved the project vide letter No-2015/UOR-58/P.No. 114/UD-26 dated 21.12. 2015
15.Total Plot Area (sq. m.)	34117 sq. m.
16.Deductions	--
17.Net Plot area	302566 sq. m.
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 1.8
	b) Non FSI area (sq. m.): --
	c) Total BUA area (sq. m.): 25599.517; SBU area 6307.55 sq. m.
19.Total ground coverage (m2)	--
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	8.46% - percentage of plot not open to sky
21.Estimated cost of the project	185.23

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Bhakthi Niwas	3	31.65
2	Shopping Complex	2	9.6
3	Pujari Niwas	1	13.8
4	Jyoti Bhawan	1	13.95
5	Show Rack	1	4.65
6	Foot Wash	1	3.5
7	Mandir Gate	1	9.986
8	Prasad distribution	1	3.5

9	Public Toilet	1	3.7
10	Bus Stop	1	5.25
11	Tourist Reception Centre	1	7.35

23.Number of tenants and shops	Nil Shop - 15
24.Number of expected residents / users	250
25.Tenant density per hectare	Not applicable
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	12 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	Temple 0.215 ha; Bazaar 0.0468 ha; Road 2.278 ha; Temporary shades 0.0414 ha; Permanent structures 0.868 ha; Parking 0.822 ha.
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**	MJP/ Bore well
	Fresh water (CMD):	195
	Recycled water - Flushing (CMD):	70
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	195
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
Wet season:	**Source of water**	MJP/Borewell
	Fresh water (CMD):	195
	Recycled water - Flushing (CMD):	70
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	--
	Fire fighting - Underground water tank(CMD):	--
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
Details of Swimming pool (If any)	Not applicable	

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	50	145	195	10	29	39	40	116	156

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	20-30 m
	Size and no of RWH tank(s) and Quantity:	2500 m3 each X 4 Nos
	Location of the RWH tank(s):	Near Bhakti Niwas
	Quantity of recharge pits:	Not applicable
	Size of recharge pits :	Not applicable
	Budgetary allocation (Capital cost) :	Rs. 1,00,000.00
	Budgetary allocation (O & M cost) :	Rs. 10,000.00
	Details of UGT tanks if any :	As in 35 above
35.Storm water drainage	**Natural water drainage pattern:**	No natural drains, by gravity, hence dendritic
	Quantity of storm water:	Approx. 200-300 m3 / hour during monsoon
	Size of SWD:	625 x 325 mm max. & 300 x 250 mm
Sewage and Waste water	**Sewage generation in KLD:**	70 m3 / day
	STP technology:	Modular plant based on A.S. extended aeration method
	Capacity of STP (CMD):	1 No. 100 m3/day
	Location & area of the STP:	Near Bhakt Niwas / site condition
	Budgetary allocation (Capital cost):	Rs. 4,50,000.00 approx.
	Budgetary allocation (O & M cost):	Rs. 90,000.00 approx.
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Debris - about 120-130 tonnes during construction, Soil - 20,000 m3 - to be preserved
	Disposal of the construction waste debris:	Filling low lying area & dressing the site
Waste generation in the operation Phase:	**Dry waste:**	Dry waste - @ 0.50-0.6 kg/person/day, Wrappings, paper, plastics
	Wet waste:	Wet @ 0.2 to 0.4 kg/person/day
	Hazardous waste:	Nil
	Biomedical waste (If applicable):	Nil
	STP Sludge (Dry sludge):	20-25 kg.
	Others if any:	Coconut skins -15 kg approx.

Mode of Disposal of waste:	**Dry waste:**	Segregation at source
	Wet waste:	Composting /vermiculture
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Sludge drying beds for dewatering and soil conditioner
	Others if any:	Coconut shells / skins will be collected and auctioned
Area requirement:	**Location(s):**	0.5 ha behind public toilet
	Area for the storage of waste & other material:	Floor - mass concrete with slope for wind rows
	Area for machinery:	Not applicable
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 50,000/-
	O & M cost:	Rs. 20,000/-

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	Bhaki Niwas (2 Nos)	HSD - 35 kg/hr	1	30	0.75	80

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	Nil	2	2

41.Source of Fuel	Local Market
42.Mode of Transportation of fuel to site	By Tanker

43.Green Belt Development	**Total RG area :**	Nil
	No of trees to be cut :	8000 sq. m
	Number of trees to be planted :	Nil
	List of proposed native trees :	250/year
	Timeline for completion of plantation :	Moh, Palash, Khair, Casia Fistula, Mango, Katesawar etc.

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	MOh	MOh	50	Local variety
2	Palash	Palash	50	Local variety
3	Khair	Khair	50	Local variety
4	Casia Fistula	Casia Fistula	50	Local variety
5	Mango	Mango	50	Local variety
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MAHADISCO
	During Construction Phase: (Demand Load)	Not applicable
	DG set as Power back-up during construction phase	DG set 2 x 380 KVA and 1 x 320 KVA
	During Operation phase (Connected load):	Not applicable
	During Operation phase (Demand load):	1155 KW
	Transformer:	11 KVA
	DG set as Power back-up during operation phase:	As in iii above
	Fuel used:	HSD @ 300 lit/hr
	Details of high tension line passing through the plot if any:	Not applicable

48.Energy saving by non-conventional method:

All lighting by LED & VRV/VRF air conditioning

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	All lighting by LED & VRV/VRF air conditioning	60%

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Sewage	Not applicable	Activated sludge extended aeration system
Solid waste	Not applicable	Organic - by wind row - composting, Re calcitrant - Common Hazardous Waste, Management Plant at Butibori

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	12500000
	O & M cost:	50000

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Construction	Rubble	Rs. 25 lakhs/year
2	Operation phase	--	--
3	Wastewater	Activated sludge extended aeration system	Rs. 15 lakhs
4	Garbage	Composting wind-rows	Rs. 9 lakhs
5	Monitoring	Air, Noise, Wastewater	Rs. 3 lakhs

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Operation phase	--	--	--
2	Wastewater	ctivated sludge extended aeration system	15	1
3	G1arbage	Composting-windrows	9	1
4	Monitoring	Air, Noise, WasteWater	10	3

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:**	NA
	Number and area of podia:	NA
	Total Parking area:	0.6HA
	Area per car:	200 SQM
	Area per car:	200 SQM
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	NA
	Public Transport:	6/HR
	Width of all Internal roads (m):	20M
	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	NA
	Court cases pending if any	NO
	Other Relevant Informations	THE PROJECT HAS BEEN PROPOSED TO COMPLY WITH STATE GOVERNMENTS RESOLUTION AND ALSO TO IMPROVE LONG FELT NECESSITY TO PROVID E FACILITIES TO PILGRIMS IN AN ENVIRONMENTALLY COMPATIBLE MANNER
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	21-04-2017

Brief information of the project by SEAC

Received communication from PP about postponement of the case .

DECISION OF SEAC

Received communication from PP about postponement of the case .

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

58th SEAC-3 meeting

SEAC Meeting number: 58th meeting **Meeting Date** July 15, 2017

Subject: Environment Clearance for New

1.Name of Project	Proposed residential development
2.Type of institution	Private
3.Name of Project Proponent	M/s Yashada Developers
4.Name of Consultant	Ultra-Tech (Environmental Consultancy & Laboratory)
5.Type of project	Residential Project with convenient shopping
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: 116
9.Taluka	Haveli
10.Village	Dudulgaon
11.Area of the project	Pimpari Chinchwad Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Applied
	IOD/IOA/Concession/Plan Approval Number: Applied
	Approved Built-up Area: 39908.93
13.Note on the initiated work (If applicable)	No work has been initiated on site
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	15,200.00
16.Deductions	1375.80
17.Net Plot area	13,824.20
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 24903.43 (Including MHADA)
	b) Non FSI area (sq. m.): 15005.50
	c) Total BUA area (sq. m.): 39,908.93
19.Total ground coverage (m2)	2743.95
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	19.84 %
21.Estimated cost of the project	685600000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A, B, C, D	P+11(G/P+11 For A Building) G-7 shops on front side and parking	35.55
2	E	P+9	29.65
3	MHADA	P+9	29.65
4	Club House	G+1	6.00

23.Number of tenants and shops	For Residential -500 Nos. , For MHADA - 58 nos , 7 Nos. Shops at A Building-Ground Floor . . Total = 558 flats (Including MHADA)
24.Number of expected residents / users	2790 residential and 53 commercial users

25.Tenant density per hectare	555/hectare (except MHADA)
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	30 m wide Dehu-Alandi road abutting the site, nearest fire station PCMC fire station at ~7.19 km
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	None
30.Details of the demolition with disposal (If applicable)	Not Applicable

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	PCMC
	Fresh water (CMD):	256
	Recycled water - Flushing (CMD):	128
	Recycled water - Gardening (CMD):	13.3
	Swimming pool make up (Cum):	4
	Total Water Requirement (CMD) :	401
	Fire fighting - Underground water tank(CMD):	250
	Fire fighting - Overhead water tank(CMD):	100
	Excess treated water	187

Wet season:	**Source of water**	PCMC
	Fresh water (CMD):	256
	Recycled water - Flushing (CMD):	128
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	4
	Total Water Requirement (CMD) :	388
	Fire fighting - Underground water tank(CMD):	250
	Fire fighting - Overhead water tank(CMD):	100
	Excess treated water	202
Details of Swimming pool (If any)	Swimming Pool: 76.6 KL (8400x7600x1200 mm) Kids Pool:13.6 KL (3000x7600x600mm) Total: 90.2 KL Details of equipment and machinery 2 HP pump for filtration F 750 filter with2" MPV F2" Overflow Balancing tank F2" Make up water Balancing tank	

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	0	256	256	00	26	26	00	231	231
Domestic	0	128	128	00	13	13	00	115	115
Gardening	0	13.3	13.3	00	00	00	00	00	00

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Around 22 m below ground level.
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	8 Recharge pits
	Size of recharge pits :	2 x 2 x 2 m
	Budgetary allocation (Capital cost) :	8 Lakh
	Budgetary allocation (O & M cost) :	0.8 Lakhs/annum
	Details of UGT tanks if any :	Firefighting--250 CMD Domestic --391 CMD
35.Storm water drainage	**Natural water drainage pattern:**	NW to SE
	Quantity of storm water:	19.97 Cu.M./min
	Size of SWD:	600mm
Sewage and Waste water	**Sewage generation in KLD:**	346
	STP technology:	MBBR
	Capacity of STP (CMD):	375 CMD
	Location & area of the STP:	Near Building C, 175 m2
	Budgetary allocation (Capital cost):	106.44 Lakh
	Budgetary allocation (O & M cost):	14.82 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:	Used in back-filling and levelling. Balance will be handed over to authorized agency/site
Waste generation in the operation Phase:	**Dry waste:**	377 kg/day
	Wet waste:	877 kg/day
	Hazardous waste:	Negligible
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	75 kg/day
	Others if any:	Not applicable

Mode of Disposal of waste:	**Dry waste:**	will be Handed over to PCMC
	Wet waste:	Treatment in OWC
	Hazardous waste:	Will be handed over to authorized agency
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Will be used as manure for gardening
	Others if any:	Not applicable
Area requirement:	**Location(s):**	Near STP
	Area for the storage of waste & other material:	61.02
	Area for machinery:	35.88
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	23.83 lakhs
	O & M cost:	4.00 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 Set 180Kva	28Ltr/Hr. @50% loading	1	4.5 From GL.	0.0125Mtr	450 DEGREE

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	0	28Lit/Hr.	28 Lit/Hr.

41.Source of Fuel	Authorized Fuel Distribution centre
42.Mode of Transportation of fuel to site	By road

43.Green Belt Development	**Total RG area :**	10% RG area: 1382.42 m2 Additional green area: 1777.85 m2
	No of trees to be cut :	00
	Number of trees to be planted :	255
	List of proposed native trees :	All Native
	Timeline for completion of plantation :	4 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	Cassia fistula	Amaltas	67	Medium sized deciduous tree. A beautiful tree for small gardens, parks and along medium and small roads
2	Millingtonia hortensis	Akash neem	30	Medium sized evergreen tree planted along the road, attract birds due to its fragrant flowers.
3	Mimusops elengi	Bakul	42	Large sized evergreen tree. The flowers are a key source for some of the nesting space for birds.
4	Neolamarkia kadamb	Kadamba	30	Large sized deciduous tree. It attracts butterflies. The fragrant orange flowers attract pollinators.
5	Albizia lebbeck	Siris	22	Large sized deciduous tree. The tree has a graceful appearance and beautiful foliage.
6	Bauhinia vartiegata	Kachnar	30	Small sized deciduous tree. It is suitable for roadside planting and also used for group planting or as specimen tree in large lawns.
7	Manilkara zopato	Chikoo	12	Medium sized deciduous tree. It is suitable for planting along the roads. The ground below the tree becomes thickly covered with fallen flowers.
8	Putranjiva roxburghii	Putranjiva	06	Medium sized evergreen tree. A good avenue tree for medium-sized road. Also suitable for growing in gardens and parks in rows for their globular, shining crown.
9	Pongamia pinnata	Indian beech tree	16	Tree is well suited to intense heat and sunlight and its network of lateral route makes it draught tolerant
10	Total	--	255	--
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	Dianella	0.30m	32.27

2	Ophiopogon	0.30m	32.27
3	Wedelia	0.30m	32.27
4	Floribunda rosea	0.30m	32.27
5	Allamanda dwarf	0.30m	32.27
6	Vinca rosea	0.30m	32.27
7	Alternanthera	0.30m	32.27
8	Cuphea hyssopifolia	0.30m	32.27
9	Canna indica	0.30m	32.27
10	Tabernaemontana miniature	0.30m	32.27
11	Heliconia	0.45m	21.52
12	Canna variegated	0.45m	21.52
13	Victoria amazonica	0.45m	21.52
14	Nerium dwarf	0.45m	21.52
15	Plumbago auriculata	0.45m	21.52
16	Galphimia glauca	0.45m	21.52
17	Hibiscus variegated	0.45m	21.52
18	Hibiscus Viceroy	0.45m	21.52
19	Acalypha orange	0.45m	21.52
20	Stachytarpheta jamaicensis	0.45m	21.52
21	Tecoma capensis	0.45m	21.52
22	Cymbopogon citratus	0.45m	21.52
23	Pennisetum setaceum	0.45m	21.52
24	Gardenia jasminoides	0.45m	21.52
25	Hymenocallis	0.45m	21.52
26	Bauhinia tomentosa	0.90m	21.52
27	Bauhinia acuminata	0.90m	21.52
28	Calliandra	0.90m	21.52
29	Hibiscus brackenridgei	0.90m	21.52
30	Hibiscus white	0.90m	21.52
31	Hibiscusrosa-sinensis	0.90m	21.52
32	Cascabela thevetia	0.90m	21.52
33	Adhatoda vasica	0.90m	21.52
34	Dombeya natalensis	0.90m	21.52
35	Jatropha	0.90m	21.52
36	Caesalpinia	0.90m	21.52
37	Lagerstroemia indica	0.90m	21.52
38	Mussaenda erythrophylla	0.90m	21.52
39	Tabernaemontana coronaria	0.90m	21.52
40	Tecoma stans	0.90m	21.52

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	As per requirement
	During Operation phase (Connected load):	2259 KW
	During Operation phase (Demand load):	1248 KW
	Transformer:	2 Nos 630 KVA & 1 of 315 KVA
	DG set as Power back-up during operation phase:	1 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:

Using Solar PV energy saving of 99900KWH/Annum (0.81%)
Using Solar Water Heater energy saving of 543715.2 KWH/annum (14.92%)

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar PV	99900KWH/Annum (0.81%)
2	Auto Timer Logic Controller	35588 KWH / Annum (0.98%)
3	Electronic VVF drive for Lifts	19060 KWH / Annum (0.52%)
4	Solar Water Heater	543715.2 KWH/annum (14.92%)
5	Total	17.23%

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
STP	0	STP with MBBR technology
OWC	0	Smart composting machine
DG set	0	Stack as per CPCB guidelines

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	106.91Lakhs
	O & M cost:	5.02 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, Water Monitoring	7.08

2	Air	Water For Dust Suppression, Air & Noise Monitoring	4.80
3	Land	Site Sanitation- Mobile toilets	20.6
4	Biological	Gardening Set Up	2.80
5	Socio-Economic	Disinfection- Pest Control, First Aid Facilities ,Health Check Up, Creches For Children ,Personal Protective Equipment	12.06
6	Energy Conservation	CFL Lamps For Labour Hutments	0.20
7	Total	--	47.54

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	STP	106.44	14.82
2	Gardening	Gardening and plantation	340.72	3.20
3	Solid waste	OWC	23.83	4.00
4	Energy Saving	Energy Conservation Measures	106.91	5.02
5	Rain Water Harvesting	RWH Pits	8.00	0.80
6	Environmental Monitoring	MoEF & CC approved laboratory	00	10.72
7	Total	--	585.90	38.56

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:**	0
	Number and area of podia:	Not any
	Total Parking area:	8720.82 m2
	Area per car:	For stilt Parking: 33 m2 For open Parking: 28 m2
	Area per car:	For stilt Parking: 33 m2 For open Parking: 28 m2
	Number of 2-Wheelers as approved by competent authority:	1116
	Number of 4-Wheelers as approved by competent authority:	279
	Public Transport:	Nigdi Bus Depot – 11.77 Km
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	None within 15 km
	Category as per schedule of EIA Notification sheet	8 (a) B2
	Court cases pending if any	No
	Other Relevant Informations	Fresh application for the project was done on 29 April,2017. Acknowledgement copy has been attached.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	01-01-1900

Brief information of the project by SEAC

Environment Clearance for Proposed residential development Gat No: 116 Village Dudulgaon Taluka Haveli,Pune.(New Case)

PP submitted their application for prior Environment Clearance for total plot area of 15,200 Sq. Mtrs, BUA of 39,908.93 Sq. Mtrs and FSI area of 24,903.43 Sq. Mtrs. PP proposes to construct 6 no. of residential building, 1 no. of MHADA building having maximum height of 35.55 Mtrs. & club house.

During the meeting committee noted 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.

PP remained absent for the meeting. However, Committee noted that the total built up area of project is 39,908.93 Sq.Mtrs. and project falls under jurisdiction Pimpri Chinchwad Municipal Corporation in Pune Division. Therefore, Committee decided to defer the project as per order dated 07/07/2017 of MOEF&CC

DECISION OF SEAC

Committee decided to defer the project as per order dated 07/07/2017 of MOEF&CC

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

58th SEAC-3 meeting

SEAC Meeting number: 58th meeting **Meeting Date** July 15, 2017

Subject: Environment Clearance for expansion of proposed project by M/s Lohia Jain Housing Company Promoters & Builders

1.Name of Project	Residential, IT & Retail Project
2.Type of institution	Private
3.Name of Project Proponent	Mr. Pradeep Jain
4.Name of Consultant	M/s Saitech Research & Development Organization
5.Type of project	Residential, IT & 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	Yes
8.Location of the project	S.No.52/1B+1C+2(P)+3+4A & 53/1+ 2+4A+ 4B+6(P)+9A+9B +10+11 +12 &53/8 Plot-1 & 55/2, Bavdhan Khurd,Pune
9.Taluka	Haveli
10.Village	Bavdhan Khurd,
11.Area of the project	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Applied
	IOD/IOA/Concession/Plan Approval Number: -
	Approved Built-up Area: 148124.31
13.Note on the initiated work (If applicable)	Plot No 3 & 6 completed as per old ECSEAC-2012/CR-490/TC-2 Dated 10th April, 2014-40898.31 m2
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	53831.40
16.Deductions	17017.18
17.Net Plot area	36814.22
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 18226.34(Existing)+ 53354.00 (Proposed) = 71580.34
	b) Non FSI area (sq. m.): 22674.93(Existing)+ 53869.04 (Proposed)= 76543.97
	c) Total BUA area (sq. m.): 148124.31
19.Total ground coverage (m2)	7374.93
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	13.70% of Total plot area and 20.03% of Net plot area
21.Estimated cost of the project	1900000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Plot No-3(Wing A, B, C)	B+S+P+15	49.90
2	Plot No -6(Wing A, B)	S+7(Wing A), S+6(Wing B)	Wing A-24.15 & Wing B-22.45
3	Plot No -1+2(IT)	3B+Semi Stilt(1&2)+G+9	49.45
4	Plot No -4+5+7(Wing A,B,C & retail)	Wing A,B,C- Lower Stilt + Upper Stilt+P+17 and Retail-B+G+3	Wing A,B,C-60.90 & Retail-18

23.Number of tenants and shops	Total Tenements – 544 Nos. (210+306+28) Shops – 32 Nos. Offices – 62 Nos.

24.Number of expected residents / users	Existing: Residential & Retail (Plot No 3 & 6) – 1420 Nos. Proposed: IT (Plot No 1 + 2): 4637 Nos. Residential (Plot No 4+7): 1530 Nos. Retail (Plot No -5): 446 Nos.
25.Tenant density per hectare	100
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	60 m wide Mumbai-Pune Road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	NA
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	PMC(Existing + Proposed)
	Fresh water (CMD):	670.56
	Recycled water - Flushing (CMD):	281.79
	Recycled water - Gardening (CMD):	64.27
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	324.50
	Fire fighting - Underground water tank(CMD):	725
	Fire fighting - Overhead water tank(CMD):	180
	Excess treated water	121.68

Wet season:	**Source of water**	PMC(Existing + Proposed)
	Fresh water (CMD):	606.29
	Recycled water - Flushing (CMD):	281.79
	Recycled water - Gardening (CMD):	0.00
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	324.50
	Fire fighting - Underground water tank(CMD):	725
	Fire fighting - Overhead water tank(CMD):	180
	Excess treated water	185.95
Details of Swimming pool (If any)	Source of water: Tanker Dimension of Swimming Pool: Main Pool Size :582 m2 X 1.2 M Kids Pool Size : 20 m2 X 0.9 M Total water Requirement in KLD: 131000 Lit. 118000 Lit. Water requirement in KLD: 131 m3/day (Proposed) : 118 m3/day (Existing) Details of Plant & Machinery used for treatment of Swimming pool water: Details of quality to be achieved for swimming pool water and parameters to be monitored: Budgetary allocation (Capital cost and O & M cost): Existing: Capital Cost : Rs 7.20 Lakh O & M Cost : Rs. 2.00 Lakh /Year Proposed: Capital Cost : Rs 7.62 Lakh O & M Cost : Rs. 2.16 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:**	Summer Season – 13.00 m. to 19.40 m. BGL. (16.20 M. BGL Average) ,Rainy Season – 5.80 m. to 8.80 BGL.(7.30 m. BGL Average),Winter Season – 9.40 m. to 14.10 m. BGL.(11.75 M. BGL Average)
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	14 Nos
	Size of recharge pits :	2.0 m. X 2.0 m. X 2.0 m. Depth with 60 m. Deep 6" Dia. Bore Well via 2 No. of de-siltation pits of 0.9 m. Dia. 1.0 m. Deep.
	Budgetary allocation (Capital cost) :	Rs 10.00 Lakh
	Budgetary allocation (O & M cost) :	Rs. 0.75 Lakh/Year
	Details of UGT tanks if any :	Residential, Retail & IT: Existing: Domestic UG tank Capacity : 204.00 m3 Flushing UG tank Capacity : 94.50 m3 Fire UG tank Capacity : 225.00 m3 Proposed: Residential & Retail: Domestic UG tank Capacity : 275.00 m3 Flushing UG tank Capacity : 82.23 m3 Fire UG tank Capacity : 300.00 m3 IT: Domestic UG tank Capacity : 250.00 m3 Flushing UG tank Capacity : 139.11 m3 Fire UG tank Capacity : 200.00 m3
35.Storm water drainage	**Natural water drainage pattern:**	-
	Quantity of storm water:	14,764.50 m3 /Year i.e. 295.29 m3/Day, Considering 700 mm. annual rain fall in 50 days Averagely.
	Size of SWD:	600mm (Existing) & 600 mm (Proposed)
Sewage and Waste water	**Sewage generation in KLD:**	Existing- 153.89 KLD, Proposed-201.67 KLD (IT) + 212.18 KLDResidential & Retail)
	STP technology:	MBBR
	Capacity of STP (CMD):	Existing- 160m3/day, Proposed- 225(IT) + 230(Residential &Retail)
	Location & area of the STP:	-
	Budgetary allocation (Capital cost):	160 m3/day(Existing)-Rs. 16.00 Lakh, 225 m3/day(Proposed for IT)- Rs. 20.00 Lakh, 230 m3/day(Proposed for Residential & Retail)-Rs. 20.00 Lakh
	Budgetary allocation (O & M cost):	160 m3/day(Existing)-Rs.4.50 Lakh/Year, 225 m3/day(Proposed for IT)-Rs. 6.50 Lakh/Year, 230 m3/day(Proposed for Residential & Retail)-Rs. 6.50 Lakh/Year

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	45 kg/day
	Disposal of the construction waste debris:	Use for Leveling.
Waste generation in the operation Phase:	**Dry waste:**	Existing- 272.50 Kg/day, Proposed- 373.00Kg/day(Residential & retail), 698.00Kg/day(IT)
	Wet waste:	Existing- 380.00 Kg/day, Proposed- 504.00Kg/day(Residential & retail), 461.00Kg/day(IT)
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	51.09 kgs/day
	Others if any:	NA
Mode of Disposal of waste:	**Dry waste:**	SWACH
	Wet waste:	Organic waste converter
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as Manure after treatment in OWC
	Others if any:	NA
Area requirement:	**Location(s):**	-
	Area for the storage of waste & other material:	Existing - 56m2 including machine area, Proposed-62 m2(OWC 1) & 47 m2(OWC 2)
	Area for machinery:	Proposed - 15 m2(OWC 1) & 18m2 (OWC 2)
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	480 Kg/day(Existing)- Rs.11.50 Lakh, 600 Kg/day(Proposed)-Rs.18.75 Lakh & 500 Kg/day(Proposed)- Rs.14.75 Lakh
	O & M cost:	480 Kg/day(Existing)-Rs 2.95 Lakh/year, 600 Kg/day(Proposed)- Rs 3.60 Lakh/year, 500 Kg/day(Proposed)-Rs 3.22 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 (Existing)- 250 KVA- 2 Nos	HSD- 51.84 Lits/Hr	S-1, S-2	5	-	-
2	Proposed- 1250 KVA- 2 Nos.	HSD- 205 Lits/Hr	S-3,S-4	30	to be provided	to be provided
3	Proposed-630 KVA – 2 Nos	HSD- 125 Lits/Hr	S-5,S-6	30	to be provided	to be provided
4	Proposed-150 KVA- 2 Nos	HSD- 45Lits/Hr	S-7,S-8	30	to be provided	to be provided
5	Proposed- 320 KVA- 2 Nos	HSD- 66.54 Lits/Hr	S-9	5	to be provided	to be provided

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	51.84 Lits/Hr	441.54 Lits/Hr	493.38 Lits/Hr
41.Source of Fuel		Hindustan Petroleum Corporation Limited/Bharat Petroleum		
42.Mode of Transportation of fuel to site		By Roadway		

43.Green Belt Development	**Total RG area :**	3981.53 m2
	No of trees to be cut :	NA
	Number of trees to be planted :	266
	List of proposed native trees :	.
	Timeline for completion of plantation :	Mid of construction

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Washingtonia filifera palms	Petticoat Palm	08	A flowering plant, waxy fan-shaped leaves
2	Tabebuia argentea	Golden Bell/Silver Trumpet Tree	05	Deciduous tree, The flowers are bright yellow; The fruit is a slender long capsule.
3	Tabebuia rose	Silver Trumpet Tree(Pink)	06	Neotropical tree, Leaves are compound, Flowers are large
4	Tabebuia	Silver Trumpet Tree(Purple)	06	Spring flowering, Effective in reducing the heat island effect.
5	Jacarande filicifolia	Flowering Jacaranda(Pink)	10	Deep violet flowers and ornamental plants. Effective in reducing the heat island effect.

6	Jacarande mimosifolia	Flowering Jacaranda(Purple)	08	Sub-tropical tree, large compound leaves, ornamental plants. It can tolerate drought.
7	Spathodea campanulata	African Tulip Tree/Nandi Flame	09	Native to tropical forests, evergreen leaves.
8	Mangifera indica	Mango	08	Long-lived, leaves are evergreen; It bears fruit
9	Punica granatum	Pomegranate	14	The flowers are bright red, bears fruit. Reducing the heat island effect
10	Psidium guajava	Guava	19	Tough dark leaves, The flowers are white, bear fruit, effective in reducing the heat island effect
11	Manilkara zopata	Sapodila Chikoo	16	Wind-resistant, The fruit is a large ellipsoid berry, It bears fruit.
12	Artocarpous heterophyllus	Jackfruit	09	Distinctive, sweet and fruity aroma. It bears fruit, effective in reducing the heat island effect.
13	Syzigium cumuni	Jamun	14	Small fragrant flowers. Fruit is good for medicinal purposes, bears fruit.
14	Annona reticulata	Custard Apple	08	Leaves are deciduous, narrow petals. It bears fruit
15	Azardirachta indica	Neem	06	Fast growing, evergreen, medicinal plant, evergreen
16	Emblica officinalis	Aamla	08	Small to medium in size and spreading branches, used in various medicines, bears fruit available
17	Plumeria obtusa	Chafa White	11	Ornamental and fragrant flowers; thick succulent branches, The tree is hardy and does not attract termites.
18	Plumeria obtuse frangipani	Chafa Pink	16	A deciduous plant, fragrant flowers of shades pink, The tree is hardy and does not attract termites.
19	Traveler palm	Travelers Tree	06	Large white flowers, ornamental tree, grow quickly.
20	Variegated golden bamboo	Golden Bamboo	20	Fast growth, it grows mostly on river banks, It holds soil and is ideal for erosion control.
21	Ficus retusa	Green Gem	09	Very popular houseplant, The fruit is edible, but the plant is not usually grown for its fruit
22	Saraka asoca	Sita Ashok	10	Evergreen tree, beautiful and fragrant flowers, lush bunches, several medicinal uses
23	Bombax ceiba	Red Silk Cotton Tree	12	Tree with orange/red flowers, widely planted in parks and on roadsides, The cotton fibers of this tree can be seen floating in the wind
24	Nyctanthes arbor-trists	Har Singar	08	Flowers are fragrant, fruit is a flat brown heart-shaped, medicinal benefits

25	Butea monosperma	Palas	14	Medium sized dry season-deciduous tree, a slow growing tree, effective in reducing the heat island effect.
26	Murraya koenigi	Curry Leaves	04	Leaf is a small, edible but the seeds are not, effective in reducing the heat island effect.
27	Variegated golden bamboo	Golden Bamboo	02	Variegated leaf pattern, fast growth, it grows mostly on river banks, road sides, It holds soil and is ideal for erosion control
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	Plumbago zelancia	2m	182.10
2	Cymbopogon	2m	182.10
3	Ocimum Tenuiflorum	2m	182.10
4	Aloe vera	2m	182.10
5	Heliconia psittacorum	2m	182.10
6	Bambusiodeae	2m	182.10
7	Rhapis excels palm	2m	182.10
8	Canna yellow	2m	182.10
9	Canna red	2m	182.10
10	Canna white	2m	182.10
11	Lilium longiflorum	2m	182.10
12	Callistemon	2m	182.10
13	Cassia fistula	2m	182.10
14	Mussaenda	2m	182.10
15	Rosa hulthemia	2m	182.10
16	Lantana camara	2m	182.10
17	Lagerstroemia indica	2m	182.10
18	Lxora	2m	182.10
19	Hydrangea macrophylla	2m	182.10
20	Nana lutea	2m	182.10
21	Euphorbia	2m	182.10
22	Cadiaeum	2m	182.10
23	Acalypha	2m	182.10
24	Clitoria ternatea	2m	182.10
25	Martha Washington geraniums	2m	182.10
26	Strelizia reginae	2m	182.10
27	Hebe rahaiensis	2m	182.10
28	Brugmansia suaveolens	2m	182.10
29	Egyptian papyrus	2m	182.10

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	65 KW
	DG set as Power back-up during construction phase	62.5 KVA
	During Operation phase (Connected load):	Existing- 1180 KW, Proposed- IT-3559.47 KW,Residential-1889.47 KW, Retail- 240.52 KW
	During Operation phase (Demand load):	IT-2847.58 KW, Residential-1511.58 KW, Retail- 192.41 KW
	Transformer:	Existing - 2 x 630 KVA, Propoed for IT-3 x 1250 KVA, Proposed for Residential & Retail- 3 x 630 KVA + 1 x 315 KVA
	DG set as Power back-up during operation phase:	Existing- 2 Nos. x 250 KVA, Proposed for IT-2 Nos. x 1250 KVA + 2 Nos. x 630 KVA, Proposed for residential- 2 Nos. x 150 KVA , Proposed for Retail-1 No. x 320 KVA
	Fuel used:	1250 KVA – 205 Liters/Hr., 630 KVA- 125 Liters/Hr., 320 KVA-66.54 Liters/Hr. & 150 KVA- 45 Liters/Hr..
	Details of high tension line passing through the plot if any:	No

48.Energy saving by non-conventional method:

• Solar Lights/T5 Lights /CFL Lights /LED Lights /Drive for Lifts/Solar Hot Water

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Commercial	20% detail sheet enclosed
2	Residential	17% detail sheet enclosed
3	Retail	20% detail sheet enclosed

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air	128 No of trees had planted	Additional Green belt will be provided.
Water	For Existing phase STP has installed & excess treated water used for flushing & gardening	For Proposed phase STP will be installed & excess treated water used for flushing, gardening & HVAC Makeup
Noise	Acoustically enclosed DG set has installed in existing phase	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	for existing Wet waste has treated in OWC & Dry waste given to authorized vendor	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:**	Existing-Rs. 27.00 Lakh, Proposed for IT-Rs. 268.00 Lakh , Proposed for residential-Rs. 16.50 Lakh ,Proposed for Retail-Rs. 13.50 Lakh
	O & M cost:	Existing-Rs. 1.50 Lakh/Year, Proposed for IT-Rs. 10.00 Lakh/Year , Proposed for residential-Rs. 0.75 Lakh/Year ,Proposed for Retail-Rs. 0.62 Lakh/Year

51.Environmental Management plan Budgetary Allocation

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

b) Operation Phase (with Break-up):				
Serial Number	**Component**	**Description**	**Capital cost Rs. In Lacs**	**Operational and Maintenance cost (Rs. in Lacs/yr)**
1	STP (160 m3/day)	-	16.00	4.50
2	STP (225 m3/day)	-	20.00	6.50
3	STP (230 m3/day)	-	20.00	6.50
4	RWH	-	10.00	0.75
5	MSW(480 Kg/day)	-	11.50	2.95
6	MSW(500 Kg/day)	-	14.75	3.22
7	MSW(600 Kg/day)	-	18.75	4.45
8	Energy System (Existing)	-	27.00	1.50
9	Energy System (Proposed)	-	298.00	11.37
10	Landscaping	-	15.00	2.00
11	Swimming Pool(Existing)	-	7.20	2.00
12	Swimming Pool(Proposed)	-	7.62	2.16
13	Safety Equipment	-	10.00	2.00
14	Post EC Monitoring	-	-	2.50
15	Dry Waste Management	-	-	3.37

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:**	26889.80
	Number and area of podia:	Included in total parking area
	Total Parking area:	53692.20
	Area per car:	40.77
	Area per car:	40.77
	Number of 2-Wheelers as approved by competent authority:	2819
	Number of 4-Wheelers as approved by competent authority:	1252
	Public Transport:	-
	Width of all Internal roads (m):	6m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8(a)
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	12-12-2016

Brief information of the project by SEAC

Environment Clearance for expansion of proposed Residential, IT & Retail Project at S.No.52/1B+1C+2(P)+3+4A &53/1+2+4A+4B+6(P)+9A+9B +10+11 +12 &53/8 Plot-1 & 55/2, Bavdhan Khurd,Pune (New case)

PP submitted their application for prior Environment Clearance for total plot area of 53,831.40 Sq. Mtrs, BUA of 71,580.34 Sq. Mtrs. and FSI area of 76,543.97 Sq. Mtrs. PP proposes to construct 8 nos. of residential building,1 no. of IT building,1 no. of retail building having maximum height of 49.90 Mtrs.,32 nos. of shops & 62nos. of offices.

During the meeting committee noted that PP had earlier environment clearance dated 10.04.2014 to the project ,now PP applied for expansion in earlier project. 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.

PP remained absent for the meeting. However, Committee noted that the total built up area of project is 71,580.34 Sq.Mtrs. and project falls under jurisdiction of Pune Municipal Corporation in Pune Division. Therefore, Committee decided to defer the project as per order dated 07/07/2017 of MOEF&CC.

DECISION OF SEAC

Committee decided to defer the project as per order dated 07/07/2017 of MOEF&CC.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

58th SEAC-3 meeting

SEAC Meeting number: 58th meeting **Meeting Date** July 15, 2017

Subject: Environment Clearance for Application for environmental clearance for Expansion of Ganga Platino project by Goel Eisha Capitals

1.Name of Project	Ganga Platino
2.Type of institution	Private
3.Name of Project Proponent	Goel Eisha Capitals
4.Name of Consultant	Not Required
5.Type of project	Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Previous EC vide no. 21-209/2007-IA.III and re validation letter dated 18 May 2013
8.Location of the project	S. No. 60/1/2,61/1/1/2,61/2
9.Taluka	Haveli
10.Village	Kharadi
11.Area of the project	PMC
12.IOD/IOA/Concession/Plan Approval Number	In process
	IOD/IOA/Concession/Plan Approval Number: In Process
	Approved Built-up Area: 129500
13.Note on the initiated work (If applicable)	Total constructed work 124055.86
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	102156.71
16.Deductions	50741.19
17.Net Plot area	51415.52
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** Existing : 67203.48 , Proposed: 7754.29 , Total: 74957.77
	b) Non FSI area (sq. m.): Existing : 56852.38, Proposed:16222.23 , Total: 73074.61
	c) Total BUA area (sq. m.): Existing: 124055.86, Proposed: 23976.52 , Total: 148032.38
19.Total ground coverage (m2)	14304.72
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	27.82 %
21.Estimated cost of the project	1204000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Existing- A1 (1)	P + 8	34.8
2	Existing - A2 & A3 (1)	P + 8	34.8
3	Existing - A4 (1)	P +8	34.8
4	Existing - B1 (1)	P + 8	34.8
5	Existing - B2 (1)	P + 8	34.8
6	Existing - B3 (1)	P + 8	34.8
7	Existing - B4 (1)	P +8	34.8
8	Existing - B5 (1)	P +8	34.8
9	Existing - B6 (1)	P +8	34.8

10	Existing - C3 (1)	P +8	34.8
11	Existing - C4 (1)	P + 8	34.8
12	Existing - D1 (1)	P + 8	34.8
13	Existing - D2(1)	P + 8	34.8
14	Existing - D3(1)	P + 8	34.8
15	Existing - C2(1)	P + 11	34.8
16	Existing - E1(1)	P + 11	34.8
17	Existing - E2(1)	P + 11	34.8
18	Existing - Retail shops	G	4.20
19	Existing - P (1) (Commercial 6 shops)	1 Parking/Gr + Mezz. + 18	64.50
20	Existing - Q (1)	3 Parking +18	64.50
21	Existing - R (1)	3 Parking +18	64.50
22	Proposed - S (1)	3 Parking + 13	39.65
23	Proposed - T(1)	3 Parking	4.05
24	Proposed - U (1)	3 Parking	4.05
25	Proposed - V (1) (Commercial 11 shops)	3 Parking + Gr. + Mezz	7.10
26	Club House (2)	G +1	6.95

23.Number of tenants and shops	Tenements - Existing 928 , Proposed 52 , Total : 980 Shops: Existing 16, Proposed 11 , Total : 27
24.Number of expected residents / users	Residential: Existing 4640 , Proposed 260 , Total 4900, Commercial: Existing : 389 , Proposed 489, Total 878, Total Population : 5778
25.Tenant density per hectare	250 T/hector
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	18 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	23 residential buildings + 16 shops
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):	469
	Recycled water - Flushing (CMD):	243
	Recycled water - Gardening (CMD):	38
	Swimming pool make up (Cum):	568 KLD
	Total Water Requirement (CMD) :	750
	Fire fighting - Underground water tank(CMD):	600
	Fire fighting - Overhead water tank(CMD):	20000 lit /building
	Excess treated water	360
Wet season:	**Source of water**	PMC
	Fresh water (CMD):	469
	Recycled water - Flushing (CMD):	243
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	568 KLD
	Total Water Requirement (CMD) :	712
	Fire fighting - Underground water tank(CMD):	600
	Fire fighting - Overhead water tank(CMD):	20000 lit /building
	Excess treated water	398
Details of Swimming pool (If any)	Main Pool Size: 20 m X 11 m X 1.20 m. Total water Requirement: 568000 Lit Water requirement for make up: 3000 lits per day Details of Plant & Machinery used for treatment of Swimming pool water: The filtration system comprises of skimmers, floor drains, hair and lint strainers, pump, multi-port valve, high rate sand filter and floor inlets Disinfection: 1. Chlorine Daily basis 2. Alum Once a fortnight 3. Soda Ash/Acid Once in a while to correct the pH if required	

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	431	38	469	43	4	47	388	34	422
Gardening	Not applicable	38	38	NA	38	38	NA	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	7 m - 8 m BGL
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	14 recharge bore with diameter 160 mm and depth 18-20 m
	Size of recharge pits :	1.5 m X 1.5 m X 3.0 m
	Budgetary allocation (Capital cost) :	3500000
	Budgetary allocation (O & M cost) :	70000
	Details of UGT tanks if any :	UGT type Domestic UGT Capacity 765 Fire UG tank Capacity 600 Flushing UGT Capacity 421
35.Storm water drainage	**Natural water drainage pattern:**	As per contour
	Quantity of storm water:	5322 m3/year
	Size of SWD:	400 mm to 600 mm
Sewage and Waste water	**Sewage generation in KLD:**	640
	STP technology:	MBBR
	Capacity of STP (CMD):	650 KLD (315 KLD + 335 KLD)
	Location & area of the STP:	As per layout
	Budgetary allocation (Capital cost):	87,25,000
	Budgetary allocation (O & M cost):	28,800,000/- p.a

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	1% of total raw material
	Disposal of the construction waste debris:	Back filling on same site and top soil for landscape
Waste generation in the operation Phase:	**Dry waste:**	Existing : 648 Proposed 365 Total : 1013 kg/day
	Wet waste:	Existing : 972 Proposed 439 Total : 1411 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	215 Kg/day
	Others if any:	E waste : 1060 kg/year

Mode of Disposal of waste:	**Dry waste:**	Through authorized vendor
	Wet waste:	Mechanical composter unit
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Oragnic waste composting machine
	Others if any:	E waste: Trough authrized vedor
Area requirement:	**Location(s):**	As per layout
	Area for the storage of waste & other material:	33
	Area for machinery:	15
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	1407500
	O & M cost:	327044

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	Not applicable	7 - 8.5	6.5 - 7.5	Not applicable
2	TSS	mg/l	200 -300	<5	Not exceed 50 mg/l
3	Oil and grease	mg/l	10	<5	Not applicable
4	BOD	mg/l	200 -300	<10	Not exceed 10 mg/l
5	COD	mg/l	350 -400	<30	Not exceed 100 mg/l
6	TDS	mg/l	--	<1000	Not applicable
7	Total Nitrogen	mg/l	40 -50	< or equal to 10	Not applicable
8	Ammonical nitrogen	mg/l	--	< or equal to 1	Not applicable
9	Phosphate	mg/l	5 -7	< or equal to 2	Not applicable
10	Coliforms	MPN/100 ml	1000000	Nil	Not applicable

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

38.Hazardous Waste Details

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

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
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 :**	6342.76
	No of trees to be cut :	NA
	Number of trees to be planted :	150
	List of proposed native trees :	All are native
	Timeline for completion of plantation :	1 year

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Ailanthus excelsa	Maharukh	10	Large, Deciduous, Contributes in combating Air Pollution
2	Swetenia mahagony	Mahagony	10	Fast growing medium height tree with symmetrical crown
3	Pongamia pinnate	Karanj	10	Large, Evergreen Tree with large canopy
4	Peltophermum	Copper pod	10	Upright, large semi-evergreen tree with bright yellow flowers
5	Tabebuia argentia	Trumpet tree	5	Medium height deciduous tree with bright yellow flowers, good for avenues
6	Spathodea campanulata	African tulip tree	5	Large upright tree, ideal for avenues. Bright orange flowers in profusion during Spring.
7	Saraca indica	Sita ashok	10	Small, native evergreen tree with a round and compact crown.
8	Mangifera indica	Mango	10	Medium height tree with multiple branching. Attracts birds for its fruit.
9	Tabebuia rosea	Pink trumpet tree	5	Tall, fast-growing deciduous tree with profuse pink flowers
10	Lagerstromia flosreginea	Lagerstroma	5	Medium height ornamental tree owing to pink-purple flowers. Branching is crooked and irregular.

11	Cassia fistula	Bahava	10	Large tropical ornamental tree with bright yellow flowers. Good for avenues.
12	Michelia champaca	Champa	5	Large tree with a spread canopy. Large fragrant flowers
13	Erythrina indica	Indian coral tree	5	Large spreading decisuous tree with bright red flowers
14	Psidium guajava	Guava tree	5	Medium height tree, irregular shaped crown. Attracts birds for its fruit.
15	Nyctanthes arbortristis	Parijatak	10	Small spreading tree with irregular shape. Fragrant flowers at night. Helps in fighting pollution.
16	Murraya koengii	Kadipatta	10	Small evergreen tree, almost like a tall shrub. Fragrant leaves
17	Plumeria alba	Temple tree	5	Small Multi-branching deciduous tree with big white fragrant flowers
18	Bauhenia purpurea	Kanchan	10	Small height deciduous tree with butterfly shaped purple flowers.
19	Syzygium jambos	Jamun	10	Medium-Large tree with low branching, cultivated for it fruits that attract birds
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)	100 KW
	DG set as Power back-up during construction phase	62.5 KVA
	During Operation phase (Connected load):	Existing 4703.80 KW Proposed 883.07 KW
	During Operation phase (Demand load):	Existing : 3806.42 KW Proposed 485.88 KW
	Transformer:	Existing 630 KVA (8), Proposed 630 KVA (1)
	DG set as Power back-up during operation phase:	Existing : 500 KVA (2) , 300 KVA (1), 82.5 KVA (2), 62.5 KVA (1) Proposed 500 KVA (1)
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

1. Timers and contactors will be used to switch on / off common are & external landscape and facade lighting.
2. LED/T5/CFL fittings will be used for corridors ,Lobbies and common areas.
3. Energy efficient LED/T5/CFL 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 reliability. To achieve the same we have considered current carrying capacity of all the cables laid through ground/air whichever is minimum.
5. 25 Ltrs Solar water is provided for each flat .
6. Solar PV panel system is proposed for Street lighting & Building common load.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar water heater	18 %
2	Common Lighting (LED/T5/CFL)	44 %
3	Solar PV cell	29 %

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Water	STP	STP
Noise due to DG set	Acoustic enclouser	Acoustic enclouser
Solid waste management	NA	OWC

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	19375000
	O & M cost:	5386340/- p.a.

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Erosion control	Dust suppression measures and barricading	2
2	Site safety	Net, PEE for labours, Sign boards	3
3	Site sanitation	Mobile toilets and solid waste management	1.5
4	Disinfection and health check up	medical camp	2.0
5	Environmental monitoring	Air, noise monitoring and water and soil analysis	1

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP	MBBR technology (2), construction and electrical, manpower cost	87.25	28.8

2	Rain water harvesting	pits with bore and internal piping	35	0.7
3	Storm water networking	Piping upto final disposal	30	3.0
4	Solid waste managemement	Machine	14.75	3.27
5	Landscape	tree plantation	30.91	1.55
6	Energy	Solar water heater, PV cell and LED/T5/CFL	19.37	53.86
7	Environmental monitoring	Air, noisemonitoring and water soil analysis	0	1.6
8	Safety and training	Fire fighting training	9	0
9	Water supply in case of shortage of water	Water tanker	0	15

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:**	NA
	Number and area of podia:	26308.58 sqm (3)
	Total Parking area:	35626
	Area per car:	35 and 30
	Area per car:	35 and 30
	Number of 2-Wheelers as approved by competent authority:	2170
	Number of 4-Wheelers as approved by competent authority:	810
	Public Transport:	NA
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8 (a)
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	22-12-2016

Brief information of the project by SEAC

Environmental clearance for Expansion of “Ganga Platino” S. No. 60/1/2,61/1/1/2,61/2 Village Kharadi Taluka Haveli, Pune. (New Case)

PP submitted their application for prior Environment Clearance for total plot area of 1,02,156.71 Sq. Mtrs, BUA of 1,48,032.38 Sq. Mtrs. and FSI area of 74,957.77 Sq. Mtrs. PP proposes to construct 4 nos. of residential building, having maximum height of 39.65 Mtrs.,11 nos. of shops & 2 nos. of club house. PP had existing 20 nos. of residential building,1 no.of retail shop &16 shops.

During the meeting committee noted that PP had earlier environment clearance dated 21.09.2007 & revalidated dated 18.05.2013 to the project. Now ,PP applied for expansion in earlier project. 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.

PP remained absent for the meeting. However, Committee noted that the total built up area of project is 1,48,032.38 Sq.Mtrs. and project falls under jurisdiction of Pune Municipal Corporation in Pune Division. Therefore, Committee decided to defer the project as per order dated 07/07/2017 of MOEF&CC.

DECISION OF SEAC

Committee decided to defer the project as per order dated 07/07/2017 of MOEF&CC.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

58th SEAC-3 meeting

SEAC Meeting number: 58th meeting **Meeting Date** July 15, 2017

Subject: Environment Clearance for shopping mall project by M/s Deepak Fertilisers & petrochemicals Corporation Limited

1.Name of Project	Ishanya Mall
2.Type of institution	Private
3.Name of Project Proponent	Mr Mahesh Meenakshisundaram
4.Name of Consultant	M/s Saitech Research & Development Organization
5.Type of project	Construction project of Shopping mall
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
8.Location of the project	S. No. 190(part), 192(part), CTS number 2185-A, Plot Number – B, Shastri Nagar, Yerawada, Pune 411 006.
9.Taluka	Haveli
10.Village	Yerawada
11.Area of the project	PMC
12.IOD/IOA/Concession/Plan Approval Number	Applied
	IOD/IOA/Concession/Plan Approval Number: -
	Approved Built-up Area: 95082.28
13.Note on the initiated work (If applicable)	94568.64 m2 As per Previous EC dated 10th April 2007(No.21-243/2006-IA-III)
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	59399.43
16.Deductions	18743.77
17.Net Plot area	40655.66
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 33008.80
	b) Non FSI area (sq. m.): 62073.48
	c) Total BUA area (sq. m.): 95082.28
19.Total ground coverage (m2)	12505.94
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	21.05 % of Total plot area and 30.76 % of Net plot area
21.Estimated cost of the project	2863500000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building-0	LG+UG+2	10.14
2	Building-1	LG+UG+3	17.50
3	Building-2	LG+UG+3	17.50
4	Building – 3 & 4	LG+UG+2+Mezz.	15.00
5	Building - 5	LG+UG+1	7.40
6	Building - 6	LG+UG+2	10.90
7	Building - 7	LG+UG+1	9.30
8	Engg. Building	Ground floor	3.00

23.Number of tenants and shops	Commercial- 50353.72 m2 Restaurant- 13259.20 m2 Multiplex- 3062.60 m2
24.Number of expected residents / users	Commercial Users : 4167 Nos. Restaurant Users : 990 Nos. Multiplex Users : 658 Nos. Total Users : 5815 Nos.
25.Tenant density per hectare	NA
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	18.30 m wide road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9m
29.Existing structure (s) if any	Old Existing Houses
30.Details of the demolition with disposal (If applicable)	Old existing House will be demolished & debris will be used for land leveling at site.

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):	633.43(One Time)
	Recycled water - Flushing (CMD):	145.38
	Recycled water - Gardening (CMD):	23.00
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	165.05
	Fire fighting - Underground water tank(CMD):	300.00
	Fire fighting - Overhead water tank(CMD):	80.00
	Excess treated water	101.70

Wet season:	**Source of water**	PMC
	Fresh water (CMD):	610.43(One Time)
	Recycled water - Flushing (CMD):	145.38
	Recycled water - Gardening (CMD):	0.00
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	165.05
	Fire fighting - Underground water tank(CMD):	300.00
	Fire fighting - Overhead water tank(CMD):	80.00
	Excess treated water	124.70
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:**	Summer Season – 21.67 m. to 24.33 m. BGL.(23.00 m. Average), Rainy Season – 9.33 m. to 15.00 m. BGL.(12.17 m. Average), Winter Season – 15.50 m. to 19.67 m. BGL.(17.59 m. Average)
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	23Nos
	Size of recharge pits :	2.0 m. X 2.0 m. X 2.0 m. Depth with 60 m.Deep 6” Dia. Bore Wells via 2 No. of de-Siltation pits of 0.9 X 0.6 X 1.0 m. Depth.
	Budgetary allocation (Capital cost) :	Rs 23.00 Lakh.
	Budgetary allocation (O & M cost) :	Rs. 1.15 Lakh /Year
	Details of UGT tanks if any :	Domestic UG tank Capacity : 306 m3 Flushing UG tank Capacity : 703 m3 Fire UG tank Capacity : 300 m3

35.Storm water drainage	**Natural water drainage pattern:**	-
	Quantity of storm water:	26543.81 m3 / Year. i.e. 530.87 m3 / Day.
	Size of SWD:	450mm
Sewage and Waste water	**Sewage generation in KLD:**	570.08
	STP technology:	MBBR
	Capacity of STP (CMD):	255 m3/day(Existing) + 325 m3/day(Proposed)
	Location & area of the STP:	Existing-305 m2 & Proposed-150 m2
	Budgetary allocation (Capital cost):	255 m3/day(Existing) : Rs 61.16 Lakh & 325 m3/day(Proposed): Rs.90.65 Lakh
	Budgetary allocation (O & M cost):	255 m3/day(Existing) : Rs 17.34 Lakh/Year & 325 m3/day(Proposed): Rs.11.95 Lakh/Year

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	45 kg/day
	Disposal of the construction waste debris:	Use for Leveling.
Waste generation in the operation Phase:	**Dry waste:**	Commercial & Multiplex: 724.00 kg/day, Restaurant: 99.00 kg/day
	Wet waste:	ommercial & Multiplex:483.00 kg/day, Restaurant: 149.00 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	65 kgs/day
	Others if any:	NA
Mode of Disposal of waste:	**Dry waste:**	SWACH
	Wet waste:	Organic waste converter
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as Manure after treatment in OWC
	Others if any:	NA
Area requirement:	**Location(s):**	-
	Area for the storage of waste & other material:	Existing - 12 m2 including Machinery area, Proposed- Storage area:15 m2 & other area:39m2
	Area for machinery:	Proposed-21 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	100 kg/day(Existing):Rs.6.00 Lakh, 750 kg/day(Proposed):Rs.20.25 Lakh
	O & M cost:	100 kg/day(Existing):Rs 1.19 Lakh/year, 750 kg/day(Proposed):Rs.3.86 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-500KVA-6 Nos	HSD-111 Lits/Hr	S-1 to S-6	15 m	-	-

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	111 Lits/Hr	Not applicable	111 Lits/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 :**	6783.30 m2
	No of trees to be cut :	NA
	Number of trees to be planted :	390 Nos
	List of proposed native trees :	-
	Timeline for completion of plantation :	-

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Aegle marmelos	Bel	10	Medicinal Plant
2	Albizzia lebbeck	Siris	10	Flowering Plant
3	Annona reticulata	Ramphal	20	Fruiting Plant
4	Adonsonia digitata	Gorakh Imli	20	Fruiting Plant
5	Bauhinia variegata	Kachnar	20	Flowering Plant

6	Cassia fistula	Bahava	20	Flowering Plant
7	Dalbergai latifolia	Black Rosewood	20	Medicinal Plant
8	Ficus elastica	Rubber	20	Medicinal Plant
9	Khaya grandis	Benin Mahogany	10	Medicinal Plant
10	Lagerstromia speciosa	Tamana	20	Medicinal & Flowering Plant
11	Mangifera indica	Aamba	20	Fruiting Plant
12	Michelia champaka	Piwala Chafa	20	Flowering Plant
13	Mimusops elengi	Bakul	20	Flowering Plant
14	Neolamarckia cadamba	Kadamba	20	Medicinal Plant
15	Nyctanthes arbor-tristis	Parijatak	20	Flowering Plant
16	Phyllanthus emblica	Aawla	20	Fruiting Plant
17	Pongamia pinnata	Karanj	20	Medicinal Plant
18	Prosopis cineraria	Shami	20	Flowering Plant
19	Saraca indica	Ashoka	20	Medicinal Plant
20	Syzygium cumini	Jambhul	20	Fruiting Plant
21	Tamarindus indica	Chinch	20	Fruiting Plant
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	-
	DG set as Power back-up during construction phase	-
	During Operation phase (Connected load):	5507 KW
	During Operation phase (Demand load):	2900 KVA
	Transformer:	22 KVA/2000KVA -2 No
	DG set as Power back-up during operation phase:	500 KVA – 6 Nos.
	Fuel used:	111 Liters / Hr
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

• Solar lights are provided for common amenities like Street lighting & Garden lighting.
• CFL & LED based lighting are done in the common areas, landscape areas, signage's, Entry gates and boundary compound walls etc.
• Auto Timer Switches will be provided for Street lights, Garden lights, Parking & staircase Lights & Other Common Area Lights, for saving electrical energy.
• Water Level Controllers with Timers will be used for Water Pumps.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	LED Lamp & Fitting For Common Areas i.e. Bldg. Parking, Staircase, Passage & Terrace Floor.	23917.36 KWH/Annum
2	Bollard Lighter - Light Fitting For Landscape Area.	1226.4 KWH/Annum
3	Recesses Wall Light. - Light Fitting For Landscape Area.	525.6 KWH/Annum
4	Planter Of Lighter - Light Fitting For Landscape Area.	1130.04 KWH/Annum
5	Solar Street Light Fitting - Pole Light On Road Side	1825.00 KWH/Annum
6	Street Light on the Bldg.	6132.00 KWH/Annum
7	-	-

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air	120 no of trres planted	390 No of trees to be planted & Green belt will be provided.
Water	1 no of 225CMD STP is installed & excess treated water used for flushing & gardening	325 CMD STP will be installed
Noise	Noise monitoring done in once a fortnight,Acoustically enclosed DG set IS installed.	Traffic management plan to be prepared.
Solid Waste	Existing wet waste is treated in OWC & Dry waste has given to authorized vendor	Proposed Wet Waste will be treated in OWC & Dry Waste will be given to SWACH

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs 103.00 Lakh
	O & M cost:	Rs 2.06 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	1.00Lakh/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(Existing)	-	61.16	17.34
2	STP(Proposed)	-	90.65	11.95
3	RWH	-	23.00	1.15
4	MSW(Existing)	-	6.00	1.19
5	MSW(Proposed)	-	20.25	3.86
6	Solar System	-	103.00	2.06
7	Landscaping	-	54.00	4.96
8	Post EC Monitoring	-	-	2.50
9	Dry Waste Management	-	-	9.67

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:	NA
	Total Parking area:	35832.70 m2
	Area per car:	46.65 m2
	Area per car:	46.65 m2
	Number of 2-Wheelers as approved by competent authority:	767
	Number of 4-Wheelers as approved by competent authority:	2448
	Public Transport:	NA
	Width of all Internal roads (m):	6m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8(a)
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	24-12-2016

Brief information of the project by SEAC

Environment Clearance for shopping mall S. No. 190(part), 192(part), CTS number 2185-A, Plot Number - B, Shastri Nagar, Yerawada, Pune 411 006. (New Case)

PP submitted their application for prior Environment Clearance for total plot area of 59,399.43 Sq. Mtrs, BUA of 95,082.28 Sq. Mtrs. and FSI area of 33,008.80 Sq. Mtrs. PP proposes to construct 7nos. of building, 1 no. of Engg.building having maximum height of 17.50 Mtrs.,1 nos. of multiplex, 1 nos. of restaurant& commercial area of 50,353.72 Sq. Mtrs .

During the meeting committee noted that PP had earlier environment clearance dated 10.04.2007 to the project. Now,PP applied for expansion in earlier project. 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.

PP remained absent for the meeting. However, Committee noted that the total built up area of project is 95,082.28 Sq.Mtrs. and project falls under jurisdiction of Pune Municipal Corporation in Pune Division. Therefore, Committee decided to defer the project as per order dated 07/07/2017 of MOEF&CC.

DECISION OF SEAC

Committee decided to defer the project as per order dated 07/07/2017 of MOEF&CC.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

58th SEAC-3 meeting

SEAC Meeting number: 58th meeting **Meeting Date** July 15, 2017

Subject: Environment Clearance for New Construction

1.Name of Project	Global High Street by Hinjewadi Property Developers and Harkrish Property Developers
2.Type of institution	Private
3.Name of Project Proponent	Mr. Manoj Hingorani, Partner
4.Name of Consultant	Ultra-Tech (Environmental Consultancy & Laboratory)
5.Type of project	commercial project
6.New project/expansion in existing project/modernization/diversification in existing project	New
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Survey No. 234/1 to 4/6/7 , 235/6 to 9/&,245/1 to 3 , plot no. 1 & 2
9.Taluka	Mulshi
10.Village	Hinjewadi
11.Area of the project	PMRDA (Hinjewadi Gramapanchayat)
12.IOD/IOA/Concession/Plan Approval Number	Applied
	IOD/IOA/Concession/Plan Approval Number: Applied
	Approved Built-up Area: 83998.31
13.Note on the initiated work (If applicable)	No work Initiated
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	29,211.66 m2
16.Deductions	00
17.Net Plot area	29,211.66 m2
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 53,783.38 m2
	b) Non FSI area (sq. m.): 30,214.93 m2
	c) Total BUA area (sq. m.): 83,998.31 m2
19.Total ground coverage (m2)	9307
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	32
21.Estimated cost of the project	980000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	BLDG. A	B+LG+G+3FLR	20.4
2	BLDG. B	B+LG+G+8FLR	36

23.Number of tenants and shops	BLDG. A - Shops - 9 nos Restaurant - 11nos Food court - 1 nos Cinema Hall -1921 seats Bldg B - - Restaurant - 09 nos Offices - 16 nos
24.Number of expected residents / users	Staff 3793 Floating 7822

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)	Hinjewadi fire station phase 1, 30 m wide road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	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**	Hinjewadi Grampanchayat
	Fresh water (CMD):	96 + 120 HVAC
	Recycled water - Flushing (CMD):	192
	Recycled water - Gardening (CMD):	40
	Swimming pool make up (Cum):	00
	Total Water Requirement (CMD) :	448
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	20
	Excess treated water	27

Wet season:	**Source of water**	Hinjewadi Grampanchayat
	Fresh water (CMD):	96 + 120 HVAC
	Recycled water - Flushing (CMD):	192
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	00
	Total Water Requirement (CMD) :	408
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	20
	Excess treated water	27
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	96	96	Not applicable	9.6	9.6	Not applicable	86.4	86.4
Domestic	Not applicable	192	192	Not applicable	19.2	19.2	Not applicable	172.8	172.8
Gardening	Not applicable	40	40	Not applicable	40	40	Not applicable	0	0
Cooling tower & thermopack	Not applicable	120	120	Not applicable	120	120	Not applicable	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	10 – 30m
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	5 No.
	Size of recharge pits :	2m X 2m X 3m
	Budgetary allocation (Capital cost) :	Rs. 3.75 Lakh
	Budgetary allocation (O & M cost) :	Rs. 1.0 Lakh
	Details of UGT tanks if any :	Domestic UG tank Capacity (cum) : 217 Flushing UG tank Capacity(cum) 71.0 (Provided in S.T.P.) Fire UG tank Capacity (cum) 526
35.Storm water drainage	**Natural water drainage pattern:**	South to North
	Quantity of storm water:	For 75 mm/hr. Intensity 27.38 m3/min.
	Size of SWD:	Varying from 200 mm to 450 mm
Sewage and Waste water	**Sewage generation in KLD:**	259
	STP technology:	MBBR
	Capacity of STP (CMD):	1 no. 260 KL Area – 180 Sq.m.
	Location & area of the STP:	Towards south
	Budgetary allocation (Capital cost):	Rs. 65 Lakh
	Budgetary allocation (O & M cost):	Rs. 13.07 Lakhs
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Excavation Soil - 2257 Cum , Murum / Rock - 39501 Cum
	Disposal of the construction waste debris:	Excavation Soil - Formation and filling of garden areas , Murum /rock - formation and filling of road networks , backfilling of bldg and plot levelling
Waste generation in the operation Phase:	**Dry waste:**	1800
	Wet waste:	1103
	Hazardous waste:	NIL
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	16 Kg/day
	Others if any:	E waste - approx 3000

Mode of Disposal of waste:	**Dry waste:**	Handed over to Local authority (SWACH)
	Wet waste:	Organic Waste Composter
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as manure
	Others if any:	E waste handed over to Authorised agency
Area requirement:	**Location(s):**	Near Future development unit
	Area for the storage of waste & other material:	165
	Area for machinery:	107.10
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 30.00 Lakh
	O & M cost:	Rs. 12.99 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	225 KVA	HSD	1	2	0.152	543
2	125 KVA	HSD	1	2	0.101	543

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 :**	5351.00
	No of trees to be cut :	00
	Number of trees to be planted :	365 nos
	List of proposed native trees :	All
	Timeline for completion of plantation :	36 month

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	Bauhiniqpurpurea	Mountain Ebony	18	Flowering Plant, Medicinal Plant
2	Couroupitaguiansis	Kailaspati	18	Flowering Plant, Medicinal Plant
3	ErythingIndica	Pangara	18	Medium Ht Deciduous tree Bright Scarlet Flowers
4	Cassia Fistula	Bahava	18	Flowering Plant, Medicinal Plant
5	AzadirachtaIndica	Neem	18	Flowering Plant, Medicinal Plant
6	BamingtoniaAcutangula	Newar	18	Flowering Plant, Medicinal Plant
7	Cassia glauca	Cassia	18	Flowering Plant, Medicinal Plant
8	BahuriaBlackania	Bahuria	18	Flowering Plant, Medicinal Plant
9	DilleniaIndica	Karmal	18	Flowering Plant, Medicinal Plant
10	BahuniaRecemosa	Apta	18	Flowering Plant, Medicinal Plant
11	AlbizziaLebbek	Shirish	18	Shady Tree, Yelloish Green Fragrant Flowers
12	ButeaMonosperma	Palas	18	Flowering Plant, Medicinal Plant
13	NyctanthesArbor – tristis	Parijatak	18	Flowering Plant, Medicinal Plant
14	MicheliaChampaka	PivalaChafa	18	Flowering Plant, Medicinal Plant
15	SweteriaMohogani	Mahogany	18	Evergreen Woody
16	PlerospermunAcerifolium	Muchkund	18	Flowering Plant, Medicinal Plant
17	MangiferaIndica	Mango	36	Fruit Bearing Plant
18	PeltophonumAfrcanum	Copper Pod	18	Shady Tree, Floering
19	TerminaliaArjuna	Jambhul	23	Evergreen Shady
20	Total	Total	365	Total
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	44 KW
	DG set as Power back-up during construction phase	62.5 KVA
	During Operation phase (Connected load):	4636 KW
	During Operation phase (Demand load):	3245KW
	Transformer:	630 KVA X 9Nos. + 315 KVA X 1 No.
	DG set as Power back-up during operation phase:	225 kVA X 1 Nos. + 125 kVA X 1 No.
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	No

48.Energy saving by non-conventional method:

Solar Panel will be provided

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.	22 %
2	Light Emitting Diode (LED) will be used for corridors Lobbies and common areas	35 %
3	All fluorescent light fixtures are specified to incorporateelectronic chokes which have less watt-loss compared to electro-magnetic chokes and result in superior operating power factor. This indirectly saves energy. Electronic chokes also improves life of the fluorescent lamps	--
4	Energy efficient cfl/t5/led lamps which give approx	35 %
5	more light output for the samewatts consumed and therefore require less nos. Of fixtures and corresponding lower point wiring costs.:	7 %
6	All cables will be derated to avoid heating during use. This also indirectly reduces losses and improves reliability. To achieve the same we have considered current carrying capacity of all the cables laid through ground/air whichever is minimum	20% +
7	Solar PV of 5 KW is proposed for Common Area Lighting. -	30% of referred load shall be provided with solar PV

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
STP	Not applicable	1

OWC	Not applicable	1
DG set	Not applicable	2

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	For 4KW P.V.Solar system – approx. INR Five Lakh
	O & M cost:	Approx. INR 0.5 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	Water For Dust Suppression	1.44
2	Air	Air & Noise Monitoring	0.48
3	Water	Tanker Water For Construction	6
4	Water	Water Monitoring	0.6
5	Land	Site Sanitation- Mobile toilets	4.8
6	Biological	Gardening Set Up and top soil preservation	8.5
7	Socio- Economic Environment	Disinfection- Pest Control	0.18
8	Socio- Economic Environment	First Aid Facilities	0.6
9	Socio- Economic Environment	Health Check Up	0.2
10	Socio- Economic Environment	Creches For Children	3
11	Socio- Economic Environment	Personal Protective Equipment	1.225
12	Socio- Economic Environment	CFL Lamp for hutment	0.015
13	Total	Total	27.10

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	1 no STP will be provided	65	13.07
2	Rain Water Harvesting	5 no pit will be provided	3.75	1.0
3	Solid Waste Management	1 no OWC will be provided	30	12.99
4	Green Belt Development	RG will be provided	51.83	4.60
5	Energy Use (Solar panel)	Energy saving	5	0.5
6	Environmental Monitoring	EMP costing	MoEFCC approved laboratory	9.12

7	Pumping machinery.	to lift STP Treated Water from Treated Water Tank to Drainage Line	1.00	--
8	Total	Total	156.58	41.28

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:**	1 Basement 12862.90 sq.m
	Number and area of podia:	No
	Total Parking area:	12862.90sq.m
	Area per car:	35.33
	Area per car:	35.33
	Number of 2-Wheelers as approved by competent authority:	550
	Number of 4-Wheelers as approved by competent authority:	1453
	Public Transport:	PMPL buses
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	No
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NO

	Category as per schedule of EIA Notification sheet	8a (B2)
	Court cases pending if any	No
	Other Relevant Informations	No
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	14-02-2017

Brief information of the project by SEAC

Environment Clearance for Commercial project "Global High Street" at Survey No. 234/1 to 4/6/7 , 235/6 to 9/&,245/1 to 3 , plot no. 1 & 2 Village Hinjewadi,.Taluka Mulshi (New Case)

PP submitted their application for prior Environment Clearance for total plot area of 29,211.66 Sq. Mtrs, BUA of 83,998.93Sq. Mtrs and FSI area of 53,783.38 Sq. Mtrs. PP proposes to construct 2 nos. of commercial buildings having maximum height of 36.00 Mtrs.

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.

PP remained present for the meeting. However, Committee noted that the total built up area of project is 83,998.93 Sq.Mtrs. and project falls under jurisdiction of PMRDA, Special Planning Authority in Pune Division. Therefore, Committee decided to defer the project as per order dated 07/07/2017 of MOEF&CC.

DECISION OF SEAC

Committee decided to defer the project as per order dated 07/07/2017 of MOEF&CC.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

58th SEAC-3 meeting

SEAC Meeting number: 58th meeting **Meeting Date** July 15, 2017

Subject: Environment Clearance for Residential & Commercial Project

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

22.Number of buildings & its configuration

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

23.Number of tenants and shops	Total tenements – 274 Shops - 22 Nos.
24.Number of expected residents / users	Residential : 1370 Nos. & Commercial: 250 Nos.

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

31.Production Details

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

32.Total Water Requirement

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

Wet season:	**Source of water**	Pune Municipal Corporation
	Fresh water (CMD):	129
	Recycled water - Flushing (CMD):	73
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	202
	Fire fighting - Underground water tank(CMD):	400m3
	Fire fighting - Overhead water tank(CMD):	20m3
	Excess treated water	103 m2
Details of Swimming pool (If any)	Dimension of Swimming Pool: (Mandar Please confirm) 1) 1 4. 0 0 x7 x 1. 2 2) 7.8 x 4.4 x 0.45 Total Water requirement for make up in KLD : 9	

33.Details of Total water consumed

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

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

35.Storm water drainage	**Natural water drainage pattern:**	From South West To North
	Quantity of storm water:	24 m3 / min
	Size of SWD:	900 mm to 1200 mm
Sewage and Waste water	**Sewage generation in KLD:**	192
	STP technology:	MBBR
	Capacity of STP (CMD):	1 No. – 200 m3
	Location & area of the STP:	near Building A-B Area: 163 m2
	Budgetary allocation (Capital cost):	Rs. 22.60 Lakhs
	Budgetary allocation (O & M cost):	Rs. 20.03 Lakhs/Annum

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	37 kg/day
	Disposal of the construction waste debris:	Topsoil to be preserved & remaining will be used for back filling
Waste generation in the operation Phase:	**Dry waste:**	204 kg/day
	Wet waste:	476 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	45 kg/day
	Others if any:	NA
Mode of Disposal of waste:	**Dry waste:**	will be handed over to SWACH
	Wet waste:	OWC
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	used as manure
	Others if any:	NA
Area requirement:	**Location(s):**	Near Building A-B
	Area for the storage of waste & other material:	50 m2
	Area for machinery:	50 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. -15.30 Lakhs
	O & M cost:	Rs.-.1.52 Lakhs/Annum

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel	Not applicable	Diesel	Diesel
41.Source of Fuel		by Authorized Vendor		
42.Mode of Transportation of fuel to site		By road		

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

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

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

3	Mimusopes elengi	Bakul	34	Evergreen tree, timber yielding and medicinal plant
4	Ficus benjamina	Weeping fig	10	Evergreen & bird attracting tree
5	Cassia fistula	Golden shower	17	Drought tolerant, ornamental & medicinal plant
6	Butea monosperma	Flame tree	23	Used in pesticide & dye preparation,
7	Cassia grandis	Pink shower	10	Drought tolerant, ornamental & medicinal plant
8	Saraca indica	Sita ashok	8	Evergreen medicinal plant
9	Roystonea regia	Royal palm	34	Nitrogen fixer, ornamental plant
10	Syzygium cumini	Jambhul	21	fruit tree & bird attracting
11	Neolamarkia cadamba	Kadamba tree	11	Tropical fruit tree & bird attracting tree
12	Mangifera indica	Mango tree	11	Evergreen & bird attracting tree
13	TOTAL	TOTAL	226	TOTAL
14	*Trees cut as per PMC permission - 375 nos. * Trees proposed to be cut - 50 nos * Existing trees on site - 407 nos * Additional new trees to be planted - 226 nos * Total trees at site 633 nos	Total trees at site	633	633
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	45 KW
	DG set as Power back-up during construction phase	62.5 KVA x 1 no.
	During Operation phase (Connected load):	2088 KW
	During Operation phase (Demand load):	996 KW
	Transformer:	630 KVA x 2 nos.
	DG set as Power back-up during operation phase:	Diesel
	Fuel used:	NA
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

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

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	1. Timers and contactors will be used to switch on / off common area & external landscape and facade lighting. 2) Light Emitting Diode (LED) will be used for corridors Lobbies and common areas 3) All fluorescent light fixtures are specified to incorporate electronic chokes which have less watt-loss compared to electro-magnetic chokes and result in superior operating power factor. This indirectly saves energy. Electronic chokes also improves life of the fluorescent lamps 4) Energy efficient cf	30 %
2	6) All cables will be derated to avoid heating during use. This also indirectly reduces losses and improves reliability. To achieve the same we have considered current carrying capacity of all the cables laid through ground/air whichever is minimum	20 %
3	7) 125 Ltrs Solar water is provided for each flat	95 %
4	8) Solar PV of 6KW is proposed for Common Area Lighting	10-15 %

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed

STP	Not applicable	1 No. - Capacity-200 m3 Not applicable
OWC	NA	1 No. – Capacity-535 kg/day
DG set	NA	1 No. – Capacity 160 KVA

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):

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

51.Storage of chemicals (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:**	NA
	Number and area of podia:	NA
	Total Parking area:	11421.00 m2
	Area per car:	12.5 m2
	Area per car:	12.5 m2
	Number of 2-Wheelers as approved by competent authority:	716
	Number of 4-Wheelers as approved by competent authority:	302
	Public Transport:	NA
	Width of all Internal roads (m):	7.5 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8 (B2)
	Court cases pending if any	NA
	Other Relevant Informations	We have received earlier EC vide letter No. SEAC-2013/CR 561/TC-2 dated 01.12.2014 for the same, accordingly work initiated. Construction completed as per earlier EC is 14,888.65 m2 Bldg. A-B Type P+P+12 & site office. Now seeking for amendment.

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

Brief information of the project by SEAC

Environment Clearance for modernization-amendment of Residential & Commercial Project "Park Landmark"S. No. 665/A Bibwewadi, Taluka Haveli, Pune.(New Case)

PP submitted their application for prior Environment Clearance for total plot area of 20,154.48 Sq. Mtrs, BUA of 50,167.94 Sq. Mtrs. and FSI area of 27,574.62 Sq. Mtrs. PP proposes to construct 4 nos. of residential building, 2 no. of residential & commercial building having maximum height of 37.80 Mtrs.& club house.

During the meeting committee noted that PP had earlier environment clearance dated 01.12.2014 to the project. Now, PP applied for amendment in earlier project. 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.

PP remained absent for the meeting. However, Committee noted that the total built up area of project is 50,167.94 Sq.Mtrs. and project falls under jurisdiction of Pune Municipal Corporation in Pune Division. Therefore, Committee decided to defer the project as per order dated 07/07/2017 of MOEF&CC.

DECISION OF SEAC

Committee decided to defer the project as per order dated 07/07/2017 of MOEF&CC.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

58th SEAC-3 meeting

SEAC Meeting number: 58th meeting **Meeting Date** July 15, 2017

Subject: Environment Clearance for Environment clearance for residential scheme ' Sara Parivartan ' at Gut no. 234/2, Village - Sawangi, District-Aurangabad.

1.Name of Project	Proposed Residential Project , ' Sara Parivartan ' at Gut no. 234/2, Village - Sawangi, District-Aurangabad.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Rupesh Agrawal
4.Name of Consultant	VK:e environmental LLP , Pune
5.Type of project	Group Housing Scheme
6.New project/expansion in existing project/modernization/diversification in existing project	Amendment
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Environmental clearance has been granted dated 28th January 2016 vide letter no. SEAC-2013/CR 316/TC-2, For proposed built up area 86,364.5 m2
8.Location of the project	Gut no. 234/2 ,Sawangi, Aurangabad, Maharashtra
9.Taluka	Aurangabad
10.Village	Sawangi
11.Area of the project	SPA/CIDCO
12.IOD/IOA/Concession/Plan Approval Number	Sanction has been received from CIDCO for proposed layout
	IOD/IOA/Concession/Plan Approval Number: CIDCO/TPO/AFA-GH/2016/28
	Approved Built-up Area: 57449.55
13.Note on the initiated work (If applicable)	As per EC received , Construction of 44531.95 sq.m has been done
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	80,100 m2
16.Deductions	565 m2
17.Net Plot area	79535.00 m2
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 73468.94
	b) Non FSI area (sq. m.): 23758.03
	c) Total BUA area (sq. m.): 97226.971
19.Total ground coverage (m2)	16385.25
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	20.60 % on net plot area
21.Estimated cost of the project	1430000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Sector C - A type 4 buildings, B type 2 Buildings ,C type 2 buldings , D type 2 Buildings)	G+3/P+3	11.6
2	Sector D - B type 4 buildings , M type 1 buildings , L type 3 Building	G+3/P+3	11.6
3	Sector E- N type 6 buildings	P+3	11.6
4	Amenity Plot B- 11 Shops , 1 Pre-Primary School, 1 Primary school with 2 Health club clinics.	G+3	14.30

5	Sector A- J type 1 building, K type 1 building)	P+7	22.40
6	Sector B -E type 4 buildings, F type 1 building, G type 2 buildings, H1 type 1 building, H2 type 2 building	E ,F,G type -G+3 , H1 ,H2 type - P+7	22.40 max.height
7	Amenity Plot A- 14 Shops with 4 multipurpose halls	G+3	16

23.Number of tenants and shops	Residential = 6720, 1344 Tenements ,Commercial =1102, 53 Shops , 4 Mulitipurpose Halls & 2 Health Club Clinics
24.Number of expected residents / users	Total Residential 6720 people + Commercial =1102 =7822 people
25.Tenant density per hectare	838.95
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	15 Mtr. wide (Nearest Fire Station - Bhanudas Sabhagrah)
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 Mtr. wide and 12 Mtr . drive way with turning radious of 9 m for the fire tender movement has been proposed .
29.Existing structure (s) if any	As per EC received Sector C (A type 4 buildings ,B type 2 buildings,C type 2 buildings ,D type 2 buildings),Sector D (B type 4 buildings,M type 1 building ,L Type 3 buildings) & Sector E(N type 6 bulidings) has been completed .Temporary sheds for labour housing and material storage .
30.Details of the demolition with disposal (If applicable)	Temporary sheds for housing of labours and material storage will be demolished during construction phase

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**	Sawangi Grampanchayat Sawangi Grampanchayat
	Fresh water (CMD):	637.86
	Recycled water - Flushing (CMD):	318.93
	Recycled water - Gardening (CMD):	72.27
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	1029.06
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	45
	Excess treated water	383.79
Wet season:	**Source of water**	Sawangi Grampanchayat
	Fresh water (CMD):	637.86
	Recycled water - Flushing (CMD):	318.93
	Recycled water - Gardening (CMD):	NIL
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	956.79
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	45
	Excess treated water	456.06
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:**	7 to 20 m Unconfined , 50 M TO 70 M Confined aquifer
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	18
	Size of recharge pits :	2MX2MX1.5M (Depth of bore well =60 m)
	Budgetary allocation (Capital cost) :	Rs. 13.9 lakh
	Budgetary allocation (O & M cost) :	Rs. 0.2 Lakh
	Details of UGT tanks if any :	UGWT FOR SECTOR A (J&K BLDG)=1(Capacity 255.5 m3) UGWT FOR SECTOR B (H1&H2 BLDG)=1(Capacity 205.12 m3) UGWT FOR EACH WING NO .OF WINGS =69(Total Capacity 1035 m3)
35.Storm water drainage	**Natural water drainage pattern:**	The storm water collected through the storm water drains of adequate capacity will be led to 18 no. of recharge pits .Excess runof will be laid to nearby Nalla at about 350m from site .
	Quantity of storm water:	689 m3/day
	Size of SWD:	450 mm wide X 600 mm deep
Sewage and Waste water	**Sewage generation in KLD:**	861.11
	STP technology:	STP 1- Phytorid technology 500 KLD , STP-2 MBBR technology 400KLD
	Capacity of STP (CMD):	02 No's of STP - STP 1- Phytorid technology 500 KLD , STP-2 MBBR technology 400 KLD
	Location & area of the STP:	Near Amenity Plot B - STP 1 -Phytorid technology (Area =490.1 m2),Near Amenity Plot A-STP 2 -MBBR technology (Area =197.4 m2)
	Budgetary allocation (Capital cost):	Rs.95,00,000/- STP 1- Phytorid technology 500 KLD , Rs. 24,55,000/- STP-2 MBBR technology 400KLD
	Budgetary allocation (O & M cost):	Rs.12,00,000/-STP 1- Phytorid technology 500 KLD , Rs. 5,29,000/- STP-2 MBBR technology 400KLD
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	25 kg/day (Wet+Dry)
	Disposal of the construction waste debris:	The Construction waste generated during construction shall be segregated , reused on site and surplus shall be led to scrap dealers for recycling
Waste generation in the operation Phase:	**Dry waste:**	1002.6 kg/day
	Wet waste:	1228.4 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	STP 1- Phytorid technology =NA , STP-2 MBBR technology =88 kg/day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Authorized vendors
	Wet waste:	Wet waste will be treated on onsite OWC
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be Used as manure
	Others if any:	NA
Area requirement:	**Location(s):**	Near sector E- OWC machine
	Area for the storage of waste & other material:	1500 sq.ft.
	Area for machinery:	Machine 1= 3 m x4 m, Machine 2=3 m x 4m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	1,70,410/-
	O & M cost:	1,26,155/-

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 82.5 KVA	At 100% load 18.8 ltr /hr	1	28.5	10.16cm	500 deg. celsius

40.Details of Fuel to be used

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

41.Source of Fuel	Nearest Fuel Pump
42.Mode of Transportation of fuel to site	By Road

43.Green Belt Development	**Total RG area :**	12046.46 sq.m
	No of trees to be cut :	NA
	Number of trees to be planted :	995
	List of proposed native trees :	Refer below list -
	Timeline for completion of plantation :	Till the end of construction phase

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadiracta indica	Neem	60	A medium to large size hardy tree which stand in drought conditions. Attain a much larger size in dry regions.Medicinal value.
2	Syzygium cumini	Jambhul Tree	41	A large size tree with dense foliage provides shade along roads, wood is water resistant and attracts a variety of birds.
3	Millingtonia hortensis	Indian Cork Tree	80	A columnar, evergreen tree, grows well in both dry and moist regions. Ornamental value
4	Khaya senghalis	Khaya	40	Large roadside tree Medicinal value/value for timber.
5	Jacaranda mimosifolia	jacaranda	83	Medium size gracious deciduous , flowering tree which prefers moderate climate. Medicinal and ornamental value.
6	Ailanthus excelsa	Maharukh	36	Large tree, good for roadside plantation,common in most hotter parts of Maharashtra
7	Spathodia campanulata	Pichkari	50	A handsome large deciduous flowering tree. Good for roadside plantation. Ornamental and medicinal value.
8	Lagerstromia flos-regineae	Tamhan	45	State flower tree of Maharashtra Medium sized tree, beautiful purple flowers, grows well in both dry and humid climate
9	Cassia fistula	Bahava	96	Small deciduous tree. Excellent flowering tree for arid regions. Ornamental value.
10	Butea monosperma	Palas	55	Small Deciduous. Good for roadside plantation. Ornamental value.
11	Erythrina Indica	Pangara	33	Medium sized deciduous tree. Bright scarlet flowers. Ornamental value.
12	Psidium guajava	Guava , Peru	73	Small hardy tree. Fruit-bearing and bird attracting tree

13	Albizia lebbeck	Shirish	46	`Shady, large tree, ball shaped flowers Suitable for agroforestry regimes
14	Terminalia catappa	Badam	40	Tall deciduous, fruit bearing Coastline stabilisation.
15	Plumeria alba	Champa	83	Ornamental flowering tree
16	Michelia champaca	Sonchafa	134	Medium sized evergreen tree, fragrant yellow flowers, Butterfly 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	NA	NA	NA

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	100 KW
	DG set as Power back-up during construction phase	82.5 KVa
	During Operation phase (Connected load):	5073.68 KW
	During Operation phase (Demand load):	2685.32 KW
	Transformer:	630 KVA x 5 Nos.
	DG set as Power back-up during operation phase:	82.5 KVA x 1 Nos.
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Solar Panels for lighting and hot water

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	LED lamps 7 W x 77 nos x 3 hrs x 365 days /1000	2445.14 kWHR saving
2	Solar Panels for Hot Water 1) 2534.4kW /Day 2) 6336 kW /Day	1387584 kWHR saving
3	Street Lights. 89 lights X 24W X12 hrs X 365 days/1000	18711.36 kWHR saving
4	TOTAL Annual Savings in KVA(365 Days)	1833560.2 25 kVA saving
5	% Saving by using energy saving practices	24.56 %

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 27,69,100/-
	O & M cost:	Rs. 1,90,000/-

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Erosion control , Dust suppression measures , barricading and top soil preservation	79,64,343.25/- throughout the construction phase
2	Land	Labour camp toilets & sanitation	50,000/-
3	Health and safety	Labour Safety equipment's and training	40,00,000/-
4	Environment Management	Environment management cell	2,02,000/-
5	Air, water, soil, noise	Environment Monitoring	1,85,600/-

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	02 STP 's (Phytorid +MBBR)	1,19,55,000/-	17,29,000/-
2	Solid waste management	1 OWC	1,70,410/-	1,26,155/-
3	Landscaping	Development and Maintenance	34,99,993/-	3,76,599.24/-
4	Rain water harvesting	18 recharge pits	13,90,000/-	20000/-
5	Solar panels	Hot Water , PV panels for Street Light	27,69,100/-	1,90,000/-
6	Air, water, soil, noise	Environment Monitoring	--	2,52,510/-

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

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

52.Any Other Information

No Information Available		
53.Traffic Management		
	Nos. of the junction to the main road & design of confluence:	The project site abuts a 15 m wide road, which connects to the NH8 Sillod Aurangabad Road . 9 m wide & 12 m internal roads for easy access of fire tender movement are proided .
Parking details:	**Number and area of basement:**	No basement
	Number and area of podia:	No podium
	Total Parking area:	3506.4
	Area per car:	12.5
	Area per car:	12.5
	Number of 2-Wheelers as approved by competent authority:	798 Nos.
	Number of 4-Wheelers as approved by competent authority:	95 Nos.
	Public Transport:	NA
	Width of all Internal roads (m):	Minimum 9 m - Maximum 12 m wide internal road is provided. 9 m turning radius will be provided.
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8 a Building and construction projct
	Court cases pending if any	NA

	Other Relevant Informations	We had proposed residential project “Sara Parivartan” at gat no.234/2, at Sawangi, Aurangabad in 80,100 m2 plot area. The project comprised of 44 residential buildings in six sectors (A, B, C, D, E, and F) with 1388 flats having 34 shops. MoEF & CC had granted Environmental Clearance to the subject project vide letter number SEAC-2013/CR 316/TC-2.The construction of project is under progress as per the EC received. The construction of amendment proposal is yet to be started. Due to the change in the design, no. of residential buildings has been reduced. Though the plot area remains the same, the built up area has been increased. The changes in the proposal as per amendment are as follows: 1) Area details a) Plot area: 80100 Sq.m (No Change) b) FSI Area: As per EC received: 63,973.77 m2 As per Amendment: 73,468.94 m2 c) Non FSI: As per EC received: 22,390.73 m2 As per Amendment: 23,758.03 m2 d) Built up area: As per EC received: : 86,364.5m2 As per Amendment: 97226.971 m2 2) No. of buildings 35 Residential buildings in 5 sectors (A, B, C, D, E) with 28 shops. 3) Amenity Plot A with Construction of 14 shops, 4 multipurpose halls 4) Amenity plot B with Construction of 11 shops, one Pre-primary and primary school with 2 health club clinics.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	20-04-2017

Brief information of the project by SEAC

Received communication from PP about postponement of the case.

DECISION OF SEAC

Received communication from PP about postponement of the case.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

58th SEAC-3 meeting

SEAC Meeting number: 58th meeting **Meeting Date** July 15, 2017

Subject: Environment Clearance for Environment Clearance for Construction project 'Nakshatra Angan' by M/s Sarvesh Realty at Gat no- 299 (P), 301(P) & 302, Urawade, Mulshi, Pune

1.Name of Project	Nakshatra Angan
2.Type of institution	Private
3.Name of Project Proponent	M/s Sarvesh Realty
4.Name of Consultant	MITCON Consultancy & Engineering Services Ltd. Agriculture College Campus, Next to DIC office, Shivajinagar, Pune 411 005, Maharashtra (India)
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Gat no- 299 (P), 301(P) & 302, Urawade, Mulshi, Pune
9.Taluka	Mulshi
10.Village	Urawade
11.Area of the project	PMRDA
12.IOD/IOA/Concession/Plan Approval Number	NA Order and Sanction Plan
	IOD/IOA/Concession/Plan Approval Number: Sanction Plan from PMRDA
	Approved Built-up Area: 40791.13
13.Note on the initiated work (If applicable)	Construction done till date 15257.08 Sq.M. Construction work has been stopped after getting proposed directions by Principal Secretory, Environment Department on 4thOctober 2014. Withdrawal of proposed directions by Principal Secretory, Environment Department on 20April 2015, Ref. No. SEAC-III-2014/C.R.321/TC-3
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	Plot as per 7/12- 18338.00 Sq. M.
16.Deductions	4112.87 Sq. M.
17.Net Plot area	Plot Area after deductions - 14225.13 Sq. M.
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 20305.57 Sq.M.
	b) Non FSI area (sq. m.): 20485.56 Sq.M.
	c) Total BUA area (sq. m.): 40791.13 Sq.M.
19.Total ground coverage (m2)	5376.95 Sq.M.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	37.79 %
21.Estimated cost of the project	450000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A Building	P + 12	37.50 Mtrs
2	B Building	2P + 12	39.50 Mtrs
3	C Building	2P + 12	37.50 Mtrs
4	Commercial	G + 2	10.65 Mtrs
5	Amenity Building	LP + G + 3	19.95 Mtrs
6	Club House	G + 1	9.60 Mtrs
7	Club House	G + 1	9.60 Mtrs

23.Number of tenants and shops	Residential flats – 268 nos. Shops- 20, Offices- 2
24.Number of expected residents / users	1925
25.Tenant density per hectare	204.2
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 9.0 Mt road Proposed 60.0 Mt ring road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.0 Mtrs
29.Existing structure (s) if any	Construction done till date 15257.08 Sq.M. which is B building only.
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, Urawade
	Fresh water (CMD):	133 m3/day
	Recycled water - Flushing (CMD):	75 m3/day
	Recycled water - Gardening (CMD):	20 m3/day
	Swimming pool make up (Cum):	0.5 m3/day (Tanker)
	Total Water Requirement (CMD) :	228 m3/day
	Fire fighting - Underground water tank(CMD):	150 m3
	Fire fighting - Overhead water tank(CMD):	-
	Excess treated water	100 m3/day

Wet season:	**Source of water**	Gram Panchayat, Urawade
	Fresh water (CMD):	133 m3/day
	Recycled water - Flushing (CMD):	75 m3/day
	Recycled water - Gardening (CMD):	0 m3/day
	Swimming pool make up (Cum):	0.5 m3/day (Tanker)
	Total Water Requirement (CMD) :	208 m3/day
	Fire fighting - Underground water tank(CMD):	150 m3
	Fire fighting - Overhead water tank(CMD):	-
	Excess treated water	120 m3/day
Details of Swimming pool (If any)	Dimensions of Swimming Pool 7.69 meters X 6.00 meters X 1.20 meters depth Total Water Requirement 5 m3/week Water Requirement for make up : 0.5 m3/day Details of Plant & Machinery used for treatment of swimming pool water: Pressure sand filter, chlorination Details of Quality to be achieved for swimming pool water and parameters to be monitored Chemical Parameters: pH : 7.2 – 7.8 Total Alkalinity : 80 – 120 PPM Hardness : > 50 PPM Free Residual Chlorine : 0.5 PPM (Indore Pool) : 1.0 PPM (Outdoor Pool) Stabilizer (Cyanuric Acid) : 25-50 PPM Physical Parameters: Water Temperature : 210C – 320C Bacteriological Parameters: E.Coli : 0 per 100 ml sample Standard Plate Count : 250 CFU per 1 ml of sample.	

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	133	133	Not applicable	13	13	Not applicable	120	120
Domestic	Not applicable	75	75	Not applicable	0	0	Not applicable	75	75
Gardening	Not applicable	15	15	Not applicable	15	15	Not applicable	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	10 Mtrs
	Size and no of RWH tank(s) and Quantity:	7 Nos RWH pit with bore- 1.5M dia X 3M (D), Capacity of RWH pit-37 m3/hr
	Location of the RWH tank(s):	Not applicable
	Quantity of recharge pits:	Capacity of RWH pit-37 m3/hr
	Size of recharge pits :	1.5M dia X 3M (D)
	Budgetary allocation (Capital cost) :	14.38 (Rs. in Lakh)
	Budgetary allocation (O & M cost) :	0.28 (Rs. in Lakh/Yr)
	Details of UGT tanks if any :	Domestic UG tank: 181000 liters Flushing UG tank: 60000 liters Fire UG tank: 150000 Liters
35.Storm water drainage	**Natural water drainage pattern:**	Overflow/surplus water from the recharge pit will be discharged into storm water drainage
	Quantity of storm water:	606 m3/hr
	Size of SWD:	450mm Gutter and 600mm dia Pipe
Sewage and Waste water	**Sewage generation in KLD:**	195 m3 / day
	STP technology:	MBBR TECHNOLOGY
	Capacity of STP (CMD):	STP 1: 200 m3 / day
	Location & area of the STP:	Near building B
	Budgetary allocation (Capital cost):	45.4 (Rs. in Lakh)
	Budgetary allocation (O & M cost):	11.10 (Rs.in Lakh/Yr)
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	TOTAL EXCAVATION - 5362 CU.M., TOP SOIL (Preserved) - 1609 CU.M., MURUM (Soft & Hard) - 3753 CU.M.
	Disposal of the construction waste debris:	Excavated soil & murum will be used for landscaping, roads & back-filling
Waste generation in the operation Phase:	**Dry waste:**	308 kg/ Day
	Wet waste:	462.0 kg/ day
	Hazardous waste:	Nil
	Biomedical waste (If applicable):	Nil
	STP Sludge (Dry sludge):	15 Kg/day
	Others if any:	Nil

Mode of Disposal of waste:	**Dry waste:**	Dry waste collection, segregation, recycling& disposal by SWaCH.
	Wet waste:	Wet waste will be treated in OWC & manure will be used for landscaping & gardening.
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Used as manure for landscape development
	Others if any:	Not applicable
Area requirement:	**Location(s):**	Near building B
	Area for the storage of waste & other material:	Area for storage of waste & segregation : 89.6 Sq.m.
	Area for machinery:	Area for machinery: 32 Sq.m. , Total area for SWM : 121.6 Sq.m.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	20.0 (Rs, in Lakh)
	O & M cost:	2.8 (Rs.in Lakh/Yr)

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	200 KVA DG Set	43 lit/hr	1	6.83 Mtrs	0.13	410 Deg C
2	62.5 KVA D.G. Set	13.7 lit/hr	1	5.58 Mtrs	0.13	610 Deg C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD for DG Set backup	Not applicable	56.7 lit/hr	56.7 lit/hr
41.Source of Fuel		Not applicable		

42.Mode of Transportation of fuel to site	Not applicable

43.Green Belt Development	**Total RG area :**	3798.81 Sq.m.
	No of trees to be cut :	No of Existing Trees : 27 nos. 24 trees will be retained &3 trees transplanted.
	Number of trees to be planted :	205 Nos.
	List of proposed native trees :	Bauhinia alba, Bauhinia purpuria, Cassia fistua, Dillenia indica, Lagerstromia speciosa, Cordia myxa, Syzygium cumini ,Spathodea campanulata
	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	Bauhinia alba	Kanchan	20	Native, Drought tolerant specie, Flowering, Ornamental, Attracts insects
2	Bauhinia purpuria	Kanchan	07	Every part of plant is medicinal, Drought tolerant species
3	Cassia fistua	Bahawa	22	Medicinal value, Drought tolerant species, Very ornamental, Well flowering plant, Honey bee attracting species, Host plant for Butterfly
4	Dillenia indica	Karmal	18	Drought tolerant species, Edible Fruits, Well flowering plant, Honey bee attracting species, Host plant for Butterfly
5	Lagerstromia speciosa	Taman	48	Native, Medicinal value, To control soil erosion
6	Cordia myxa	Bhokar	31	Drought Resistant, Fine foliage, Shady, Attracts birds and insects
7	Syzygium cumini	Jambhul	28	Native, Drought tolerant specie, Flowering, Attracts insects Native, Drought tolerant specie, Flowering, Attracts insects
8	Spathodea campanulata	Spathodea	31	Naturalised, hardy, Flowering, Attracts insects & birds
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)	30 KW
	DG set as Power back-up during construction phase	40 KVA x 1 No.
	During Operation phase (Connected load):	1827 KW
	During Operation phase (Demand load):	1624 KVA
	Transformer:	22KV / 630 KVA – 3 No's.
	DG set as Power back-up during operation phase:	200 KVA – 1No. & 62.5 KVA – 1 No.
	Fuel used:	56.7 lit/hr
	Details of high tension line passing through the plot if any:	Not applicable

48.Energy saving by non-conventional method:

• Solar water heating systems will be done for bathrooms.
• Solar lights will be provided for common amenities like Street lighting & Garden lighting.
• CFL & LED based lighting will be done in the common areas, landscape areas, signage's, entry gates and boundary compound walls etc.
• Auto Timer switches will be provided for Street lights, Garden lights, Parking & staircase Lights & other common area Lights, for saving electrical energy.
• Water level controllers with timers will be used for Water pumps.
• To create awareness to end consumer or flat owner, for using energy efficient light fittings like CFL, T5 Lamps & LED lights.
• Detail Calculations & % Of Saving: 2% to 3%

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	1) LED Lamp & Fitting For Common Areas i.e. Bldg. Parking, Staircase, Passage & Terrace Floor.	Annual saving : 15457.75 KWH
2	2.1) Shrub Lighter - Light Fitting For Landscape Area.	Annual saving : 175.2 KWH
3	2.2) Bollard Lighter - Light Fitting For Landscape Area.	Annual saving : 204.4 KWH
4	3.1) Solar Street Light Fitting – Pole Light On Road Side	Annual saving : 547.5 KWH
5	3.2) Street Light on the Bldg	Annual saving : 3066 KWH
6	4) Energy Saving by Solar Hot Water System.	Annual saving : 301500 KWH
7	TOTAL Annual Savings in KWH	Annual saving : 320950.85 KWH

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Sewage	Not applicable	Sewage Treatment Plant

Solid waste	Not applicable	Organic Waste Composter
DG set	Not applicable	DG set as per CPCB standards

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	40.92 Lakh
	O & M cost:	Rs. 0.94 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	Water for dust Separation	-	10
2	Site Sanitation	-	5
3	Environmental Monitoring	-	1.5
4	Disinfection	-	2
5	Health Check-up	-	2.5
6	Safety Measures	-	16
7	Total	-	37

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	-	45.4	11.10
2	Rain Water Harvesting	-	14.38	0.28
3	Solid Waste Management	-	20	2.8
4	Gardening & Landscaping	-	77.50	2.04
5	Energy	-	40.92	0.94
6	Training	-	10	1
7	Safety measures	-	45	1.6
8	Storm water & Drainage Network	-	12.84	0.75
9	Alternate water supply by tankers	-	0	1.56
10	Total Cost	-	266.04	22.07

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:**	Nil
	Number and area of podia:	Nil
	Total Parking area:	8957.18 Sq.m.
	Area per car:	More than 30 Sq.m.
	Area per car:	More than 30 Sq.m.
	Number of 2-Wheelers as approved by competent authority:	413
	Number of 4-Wheelers as approved by competent authority:	168
	Public Transport:	Available
	Width of all Internal roads (m):	6 mtrs
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable
	Category as per schedule of EIA Notification sheet	8(a) Building and Construction projects
	Court cases pending if any	No
	Other Relevant Informations	Project is recommended by SEAC III for Environmental Clearance.
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

Brief information of the project by SEAC

Environment Clearance for Construction project 'Nakshatra Angan' at Gat no- 299 (P), 301(P) & 302, Urawade, Mulshi, Pune (New Case)

PP submitted their application for prior Environment Clearance for total plot area of 18,338.00 Sq. Mtrs, BUA of 40,791.13Sq. Mtrs and FSI area of 20,305.57 Sq. Mtrs. PP proposes to construct 3 nos. of residential building,1 no. of commercial building ,1 no. of amenity building having maximum height of 37.50Mtrs.& club house.

During discussion the committee found that the case is already recommended in 39th SEAC-3 meeting.

DECISION OF SEAC

committee found that the case is already recommended in 39th SEAC-3 meeting.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

58th SEAC-3 meeting

SEAC Meeting number: 58th meeting **Meeting Date** July 15, 2017

Subject: Environment Clearance for Consruction Project by M/s Namrata Jalan Ventures

1.Name of Project	Eco-Valley Plus
2.Type of institution	Private
3.Name of Project Proponent	Mr. Deepak K. Shah
4.Name of Consultant	M/s Saitech Research & Development Organization
5.Type of project	Residential & Commercial
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Gat No.123 (P), 124 & 127 Kanhephata, Talegaon , Tal: Maval, Dist: Pune
9.Taluka	Maval
10.Village	Talegaon
11.Area of the project	PMRDA
12.IOD/IOA/Concession/Plan Approval Number	Applied
	IOD/IOA/Concession/Plan Approval Number: -
	Approved Built-up Area: 38677.31
13.Note on the initiated work (If applicable)	19685.061 m2
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	25933.00 m2
16.Deductions	7297.02 m2
17.Net Plot area	18635.98 m2
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 23417.93 m2 (Residential) + 3943.69 m2 (Commercial) = 27361.62 m2
	b) Non FSI area (sq. m.): 9473.70 m2 (Residential) + 1841.99 m2 (Commercial) = 11315.69 m2
	c) Total BUA area (sq. m.): 38677.31 m2
19.Total ground coverage (m2)	4323.425 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	16.67 % of Plot Area and 23.20 % of Net Plot Area
21.Estimated cost of the project	696000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	(C1-C2)	P + 7	23.20 m
2	(C3-C4)	P + 7	23.20 m
3	(D1-D2)	P + 7	23.20 m
4	(D3-D4)	P + 7	23.20 m
5	(D5-D6)	P + 7	23.20 m
6	(D7-D8)	P + 7	23.20 m
7	(D9-D10)	G + 3 , P + 7	11.60 m , 23.20 m
8	E	P + 7	23.20 m
9	F	P + 4	14.5 m

10	Amenity Building	G + 3	11.60 m

23.Number of tenants and shops	Total Tenements – 442 Nos. Total Convenient Shops – 09 Nos. Amenity Building - 27 Shops, 16 Halls
24.Number of expected residents / users	Residential Users: 2210 nos. , Convenient Shops users: 66 nos. and Amenity Users: 831 nos.
25.Tenant density per hectare	170 /hector
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	60 M Wide Old Mumbai Pune Highway
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	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**	Kanhe Grampanchayat
	Fresh water (CMD):	333.13 m3/day
	Recycled water - Flushing (CMD):	101.10 m3/day
	Recycled water - Gardening (CMD):	21.81 m3/day
	Swimming pool make up (Cum):	10 m3/day
	Total Water Requirement (CMD) :	210.22 m3/day
	Fire fighting - Underground water tank(CMD):	NA
	Fire fighting - Overhead water tank(CMD):	80 m3/day
	Excess treated water	151.28 m3/day

Wet season:	**Source of water**	Kanhe Grampanchayat
	Fresh water (CMD):	311.32m3/day
	Recycled water - Flushing (CMD):	101.10 m3/day
	Recycled water - Gardening (CMD):	0.00
	Swimming pool make up (Cum):	10 m3/day
	Total Water Requirement (CMD) :	210.22 m3/day
	Fire fighting - Underground water tank(CMD):	NA
	Fire fighting - Overhead water tank(CMD):	80 m3/day
	Excess treated water	173.09 m3/day
Details of Swimming pool (If any)	• Dimension of Swimming Pool: Main Pool Size :14M X 6M x 1.2M Baby Pool Size: 5M X 5M X 0.6M • Total water Requirement in KLD:115 m3/day • Water requirement in KLD:1.5 m3/day • Details of Plant & Machinery used for treatment of Swimming pool water: • Details of quality to be achieved for swimming pool water and parameters to be monitored: • Budgetary allocation (Capital cost and O & M cost): Capital cost :Rs. 16.50 Lakh O & M Cost : Rs. 1.74 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:**	15 to 20 m BGL
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	8 Nos
	Size of recharge pits :	2m x 2m x 3m
	Budgetary allocation (Capital cost) :	Rs. 3.20 Lakh
	Budgetary allocation (O & M cost) :	Rs. 2.00 Lakh/year
	Details of UGT tanks if any :	Residential & Commercial: Domestic UG tank Capacity: 362 m3 Flushing UG tank Capacity: 221 m3 Fire UG tank Capacity: NA
35.Storm water drainage	**Natural water drainage pattern:**	-
	Quantity of storm water:	711.03 m3/hr
	Size of SWD:	600 mm WIDE
Sewage and Waste water	**Sewage generation in KLD:**	Residential: 274.19 m3/day and Commercial: 33.66 m3/day
	STP technology:	MBBR
	Capacity of STP (CMD):	1 No of 285 m3/day and 1 No of 40 m3/day
	Location & area of the STP:	170 m2 for 285 m3/day and 57.60 m2 for 40 m3/day
	Budgetary allocation (Capital cost):	Rs.44.00 Lakh
	Budgetary allocation (O & M cost):	Rs. 16.23 Lakh/year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	30 kg/day
	Disposal of the construction waste debris:	Use of Leveling
Waste generation in the operation Phase:	**Dry waste:**	Residential & Commercial : 451.90 kg/day and Amenity : 124.70 kg/day
	Wet waste:	Residential & Commercial : 670.00 kg/day and Amenity : 83.10 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	24.67 kg/day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	SWACH
	Wet waste:	Organic waste convertor
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as Manure after treatment in OWC
	Others if any:	NA
Area requirement:	**Location(s):**	-
	Area for the storage of waste & other material:	Storage area(Residential & commercial): 8.2 m2, Storage area(Amenity): 6.0 m2, other area(Residential & commercial): 45.8 m2, other area(Amenity): 18.0 m2
	Area for machinery:	For Residential & commercial: 21.0 m2 and For Amenity: 8.0 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	(OWC1+ OWC2): Rs (8.50+20.25) = Rs.28.75 Lakh
	O & M cost:	(OWC1+ OWC2): Rs (2.44+4.18) = Rs.6.62 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 of 125 KVA	HSD	S-1	6.23 m	to be provided	to be provided
2	DG set of 100 KVA	HSD	S-2	6.00 m	to be provided	to be provided
3	DG set of 82.5 KVA	HSD	S-3	5.82 m	to be provided	to be provided

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total

1	HSD for 125 KVA	Not applicable	16.9 Lit/Hr	16.9 Lit/Hr
2	HSD for 100 KVA	Not applicable	16.4 Lit/Hr	16.4 Lit/Hr
3	HSD for 82.5 KVA	Not applicable	14.2 Lit/Hr	14.2 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 :**	2192.468 m2
	No of trees to be cut :	NA
	Number of trees to be planted :	381 No.
	List of proposed native trees :	-
	Timeline for completion of plantation :	mid of construction

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Ailanthus excelsa	Maharukh	16	Medicinal value, Bird attracting species , To control soil erosion.
2	Albizia lebbeck	Shirish	12	Medicinal for Skin, Fragrant flowers, To control soil erosion, Bird attracting species (Para kids eat seeds).
3	Anthocephalus kadamba	Kadamb	16	Medicinal value, To control soil erosion, Birds, squirrels, monkey eat fruits.
4	Azardirachta indica	Neem	16	Medicinal value, To control soil erosion. To improve soil erosion
5	Bauhinia blackiana	Kanchanraj	16	Every part of the plant is medicinal, Drought tolerant species.
6	Bauhinia purpurea	Gulabi kanchan	16	Every part of the plant is medicinal, Drought tolerant species.
7	Butea monosperma	Palas	16	Medicinal value, Bird attracting species , To control soil erosion.
8	Cassia fistula	Bahawa	16	Medicinal value, Drought tolerant species, Very ornamental, Well flowering plant, Honey bee attracting species, Host plant for Butterfly.
9	Choclospermum religiosum	Sonsawar	16	Medicinal value, Native species
10	Cordia dichotoma	Bhokar	12	Medicinal value, Edible fruits,
11	Dalbergia sisoo	Shisav	16	Medicinal value, Bird attracting species ,
12	Ficus arnottiana	Payar	12	Drought tolerant species, Bird attracting species. To control soil erosion.

13	Ficus glomerata	Umber	16	Medicinal value, Edible fruits, Bird attracting species
14	Ficus retusa	Nandruk	16	Medicinal value, Bird attracting species, Drought tolerant species, Hardy plant.
15	Mangifera indica	Mango	16	Edible fruit, Bird attracting species.
16	Michelia champaca	Sonchaffa	16	Medicinal value, Fragrant flowers, Butterfly larvae host plant, Bird attracting species, Fast growing.
17	Pongamia pinnata	Karanj	12	Medicinal value, Drought tolerant species, To control soil erosion. Hardy plant.
18	Syzygium cumini	Jamun	16	Medicinal value, Edible fruit.
19	Azardirachta indica	Neem	08	Medicinal value, To control soil erosion. To improve soil erosion
20	Bauhinia racemosa	Apta	08	Every part of the plant is medicinal, Drought tolerant species.
21	Caryota urens	Fishtail palm	08	Grown in any type of soil. Very Hardy.
22	Citrus species	Lemon	09	Medicinal value, Edible fruit.
23	Dalbergia sisoo	Shisav	08	Medicinal value, Bird attracting species ,
24	Erythrina indica	Pangara	08	Fragrant flowers, Drought tolerant species, Birds attracting
25	Gmelina arborea	Shivan	08	Medicinal value, Drought tolerant species, Bird attracting species.
26	Mimosups elengii	Bakul	12	Fragrant flowers, Medicinal value, To control soil erosion.
27	Murraya koengii	Kadipatta	08	Medicinal value, Edible leaves.
28	Aegle marmelos	Bel	08	Medicinal value, Drought tolerant species.
29	Nyctanthus arbortristis	Parijatak	08	Fragrant flowers, Medicinal value,
30	Putranjiva roxburghii	Putrnjiva	08	Medicinal value, Drought tolerant species,
31	Roystonia regia	Bottle palm	08	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)	30 KW
	DG set as Power back-up during construction phase	40 KVA -1No
	During Operation phase (Connected load):	1386 KW
	During Operation phase (Demand load):	1232 KVA
	Transformer:	For Residential : 630 KVA X 2 Nos. and for Amenity : 315 KVA X 1 No
	DG set as Power back-up during operation phase:	125 KVA DG. Set 1No. , 100 KVA DG. Set 1No. and 82.5 KVA DG. Set 1No.
	Fuel used:	125 KVA – 16.9 Lit/Hr ,100 KVA – 16.4 Lit/Hr and 82.5 KVA – 14.2 Lit/Hr
	Details of high tension line passing through the plot if any:	Yes

48.Energy saving by non-conventional method:

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

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	LED Lamp & Fitting For Common Areas i.e. Bldg. Parking, Staircase, Passage & Terrace Floor	25013.45 KWH/Year
2	Up Lighter - Light Fitting For Landscape Area.	175.2 KWH/Year
3	Bollard Lighter - Light Fitting For Landscape Area.	255.5 KWH/Year
4	Solar Street Light Fitting - Pole Light On Road Side.	2409 KWH/Year
5	Solar Street Light Fitting - Garden Pole.	350.4 KWH/Year
6	Street Light on the Bldg.	3950.75 KWH/Year
7	Energy Saving by Solar Hot Water System	497250 KWH/Year

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 67.00 Lakh
	O & M cost:	Rs 1.66 Lakh/year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP	Sewage Treatment Plant	44.00	16.23
2	RWH	Rain Water harvesting	3.20	2.00
3	MSW	Municipal Solid Waste	28.75	6.62
4	Solar System	Solar System	67.00	1.66
5	Landscaping	Landscaping	45.00	7.20
6	Swimming pool	Swimming pool	16.50	1.74
7	Cost for laying of sewer line up to final disposal point	Cost for laying of sewer line up to final disposal point	8.82	0.00
8	Cost for storm water drain line up to final disposal point	Cost for storm water drain line up to final disposal point	10.05	0.00
9	Safety Equipments	Safety Equipments	10.00	2.00
10	Post EC Monitoring	Post EC Monitoring	0.00	2.50
11	Dry Waste Management	Dry Waste Management	0.00	2.65

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:	NA
	Total Parking area:	8326.53 m2
	Area per car:	54.42 m2
	Area per car:	54.42 m2
	Number of 2-Wheelers as approved by competent authority:	954 Nos.
	Number of 4-Wheelers as approved by competent authority:	153 Nos.
	Public Transport:	NA
	Width of all Internal roads (m):	6.00 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	B2
	Court cases pending if any	NA
	Other Relevant Informations	NA

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

Brief information of the project by SEAC

Environment Clearance for Residential & Commercial Project "Eco-Valley Plus"at Gat No.123 (P), 124 & 127 Kanhephata, Talegaon , Tal: Maval, Dist: Pune (New Case)

PP submitted their application for prior Environment Clearance for total plot area of 25,933.00 Sq. Mtrs, BUA of 38,677.31Sq. Mtrs and FSI area of 27,361.62 Sq. Mtrs. PP proposes to construct 16 nos. of residential building, ,1 no. of amenity building having maximum height of 23.20 Mtrs.

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.

PP remained absent for the meeting. However , Committee noted that the total built up area of project is 38,677.31 Sq.Mtrs. and project falls under jurisdiction of PMRDA, Special Planning Authority in Pune Division. Therefore, Committee decided to defer the project as per order dated 07/07/2017 of MOEF&CC.

DECISION OF SEAC

Committee decided to defer the project as per order dated 07/07/2017 of MOEF&CC.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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