122nd Day-2 SEAC-3 Agenda

SEAC Meeting number: 122 **Meeting Date** August 24, 2021

Subject: Environment Clearance for Residential & Commercial Construction Project

Is a Violation Case: Yes

1.Name of Project	Miami
2.Type of institution	Private
3.Name of Project Proponent	M/s. Majestique Properties
4.Name of Consultant	NA
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	NA
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	S. No. 33/1/3 + 33/1/4/1
9.Taluka	Haveli
10.Village	Vadgaon
Correspondence Name:	Mr. Mitesh Sidhpura
Room Number:	NA
Floor:	3rd
Building Name:	Metropole
Road/Street Name:	Bund Garden Road
Locality:	Next to Inox Multiplex
City:	Pune
11.Whether in Corporation / Municipal / other area	PMC
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	Constructed Area -
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	19,600 Sq. M
16.Deductions	8050.4 sq.m
17.Net Plot area	11549.60 sq.m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 20949.99 sq.m
	b) Non FSI area (sq. m.): 17140.00 sq.m
	c) Total BUA area (sq. m.): 38090.0
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 18229.84 sq.m
	Approved Non FSI area (sq. m.): 19860.16 sq.m
	Date of Approval: 26-06-2014
19.Total ground coverage (m2)	2359.06 sq.m
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	20.42 %
21.Estimated cost of the project	730000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building A	Ground Parking + 13	39.90 m
2	Building B	Ground Parking + 13	39.90 m
3	Building C	Ground Parking + 13	39.90 m
4	Building D	Ground Parking + 11	37.0 m

23.Number of tenants and shops	Tenements - 351, Shops - 10
24.Number of expected residents / users	Residential - 1755, Commercial - 68
25.Tenant density per hectare	250
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	18 m
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	Constructed area - A,B,C,D building Completed
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	PMC
	Fresh water (CMD):	159 KLD
	Recycled water - Flushing (CMD):	81 KLD
	Recycled water - Gardening (CMD):	17 KLD
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	257 KLD
	Fire fighting - Underground water tank(CMD):	200 KL
	Fire fighting - Overhead water tank(CMD):	20 KL
	Excess treated water	126 KLD
Wet season:	**Source of water**	PMC
	Fresh water (CMD):	159 KLD
	Recycled water - Flushing (CMD):	81 KLD
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	240 KLD
	Fire fighting - Underground water tank(CMD):	200 KL
	Fire fighting - Overhead water tank(CMD):	20 KL
	Excess treated water	143 KLD
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	159 KLD	NA	159 KLD	16 KLD	NA	16 KLD	143 KLD	NA	143 KLD
Gardening	17 KLD	NA	17 KLD	NA	NA	NA	NA	NA	NA

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	6 - 9 m
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	6
	Size of recharge pits :	2.0 m x 2.0 m x 2.0 m
	Budgetary allocation (Capital cost) :	7.5 Lakh
	Budgetary allocation (O & M cost) :	0.6 Lakh/yr
	Details of UGT tanks if any :	Domestic UG tank Capacity: 240 m3. Flushing UG tank Capacity: 137 m3. Fire UG tank Capacity : 200 m3
35.Storm water drainage	**Natural water drainage pattern:**	As per contour
	Quantity of storm water:	13.89 CUM/Min
	Size of SWD:	450 mm
Sewage and Waste water	**Sewage generation in KLD:**	223 KLD
	STP technology:	MMBR
	Capacity of STP (CMD):	1 No. , Capacity - 230 KLD
	Location & area of the STP:	As per Layout
	Budgetary allocation (Capital cost):	54 Lakh
	Budgetary allocation (O & M cost):	13 Lakh/yr.
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	1 % of waste generation
	Disposal of the construction waste debris:	Excavated earth material will be used for filling material for plinth area & top soil for Landscape
Waste generation in the operation Phase:	**Dry waste:**	314 Kg/day
	Wet waste:	503 Kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	35 Kg
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Through authorized vendour
	Wet waste:	through mechanical composter
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	35
	Others if any:	NA
Area requirement:	**Location(s):**	As per layout
	Area for the storage of waste & other material:	55 sq.m
	Area for machinery:	20 sq.m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	10 Lakh
	O & M cost:	5 Lakh/yr.

37.Effluent Charecterestics

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

Amount of effluent generation (CMD):	NA
Capacity of the ETP:	NA
Amount of treated effluent recycled :	NA
Amount of water send to the CETP:	NA
Membership of CETP (if require):	NA
Note on ETP technology to be used	NA
Disposal of the ETP sludge	NA

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	NA	NA	NA	NA	NA	NA	NA

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	NA	NA	NA	NA	NA	NA

40.Details of Fuel to be used

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

41.Source of Fuel	NA
42.Mode of Transportation of fuel to site	NA

43.Green Belt Development	**Total RG area :**	2575 sq.m
	No of trees to be cut :	NA
	Number of trees to be planted :	230
	List of proposed native trees :	As per below list
	Timeline for completion of plantation :	1 yr.

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	Butea monosperma	Flame tree	20	Medicinal value, Bird attracting species, To control soil erosion.
2	Cassia fistula	Golden Shower	25	Medicinal value, Drought tolerant species, Very ornamental, Well flowering plant, Honey bee attracting species, Host plant for Butterfly.
3	Cassia grandis	Pink Shower	14	Very ornamental, Well flowering plant, Honey bee attracting species, Host plant for Butterfly.
4	Ficus benjamina	Weeping Fig	22	Drought tolerant species, Bird attracting species. To control soil erosion.
5	Manikara zapota	Chikoo	9	Fruit Bearing tree
6	Mangifera indica	Mango	14	Edible fruit, Bird attracting species.
7	Mimosups elengii	Bakul	13	Fragrant flowers, Medicinal value, To control soil erosion.
8	Michelia champaca	Champa	12	Medicinal value, Fragrant flowers, Butterfly larvae host plant, Bird attracting species, Fast growing.
9	Neolamarkia cadamba	Kadamba tree	12	Medicinal value, To control soil erosion, Birds, squirrels, monkey eats fruits.
10	Roystonia regia	Royal palm	39	Ornamental plant, Medicinal value, Birds & bats eat fruits.
11	Saraca indica	Sita-ashok	34	Medicinal value, Religious plant.
12	Syzygium cumini	Jambhul	16	Medicinal value, Edible fruit.
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 2 No.
	During Operation phase (Connected load):	1949 kW
	During Operation phase (Demand load):	1560 kW
	Transformer:	630 KVA X 3 Nos.
	DG set as Power back-up during operation phase:	250 KVA x 1 No.
	Fuel used:	For 75 % Load – 19.3 Liters/Hr. For 50 % Load – 13.3 Liters/Hr.
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

? Timer control external lighting/ parking
? Daylight cum occupancy sensors in parking area lighting
? Maximum use of daylight in tenements area by providing appropriate window sizing
? Solar powered water heating will be proposed
? Solar street lights will be proposed
? Energy efficient lighting fixtures (CFL lights) to all Buildings
? Use of CFL lights for club house
? Use of CFL lamps in all public/ common areas.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar PV & Solar water heater	536 KW

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Sewage generation	STP	NA
Wet waste	OWC	NA

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	38.16 Lakh
	O & M cost:	1.90 Lakh/yr.

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Erosion Control	Dust suppression measures & barricading	5.0

2	Site Safety	Nets, Barricades	2.0
3	Site Sanitation	Public toilets	2.0
4	Disinfection & Health Check up	Health camp for Labour	2.0
5	Environmental Monitoring	Air, Water ,Noise Soil Analysis	1.0

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP	technology MMBR	54.0	13.0
2	RWH	RWH through recharge pits	7.5	0.60
3	Solid waste Management	through authorized vendor & OWC	10.0	5.0
4	Storm Water network	to recharge ground water	17.0	1.0
5	Landscape	native trees	23.0	2.5
6	Energy saving	solar panel, solar water heater	38.16	1.90

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
NA	NA	NA	NA	NA	NA	NA	NA

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:	0
	Total Parking area:	8459.2 sq.m
	Area per car:	cover - 30,Open - 25
	Area per car:	cover - 30,Open - 25
	Number of 2-Wheelers as approved by competent authority:	734
	Number of 4-Wheelers as approved by competent authority:	183
	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	MPCB has already filed a case of violation vide no. 239/2015 dated 13/1/2015. Hearing of this project is in process at District Court Pune.
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	31-01-2018

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-

Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

Representative of PP Saket Shah was present during the meeting along with Environmental Consultant Sneha Hi-Tech Products

PP informed that, the project under consideration is new residential & commercial project with public parking project. PP further stated that, the total plot area of the project is 19,600 Sq.mt having total construction area 38090.0 Sq.mt (FSI 20949.99 Sq.mt + NON FSI- 17140.00Sq.mt)

It is noted that proposal under consideration is of Violation of EIA Notification 2006, as amended, defined in MOEF & CC notification dated 14th March 2017 & 8th March 2018.

The project earlier considered in 84th SEAC-3 meeting held on 30-03-2019 and noted that proposal under consideration is of Violation of EIA Notification 2006, as amended and defined in MoEF & CC notification dated 14th March 2017 & 8th March 2018. ToR & additional ToR accorded for remediation plan and natural & community resource augmentation plan

It is noted that, PP have applied for Environmental Clearance to SEIAA Maharashtra on 27.12.2011 2. PP stated that, in 4th SEAC III meeting the case was considered and sent to Environment Department for clarification on violation on 30.1.2014. PP further stated that, they have received Proposed directions vide letter dated 24.2.2014. PP stated that after this MPCB filed case for violation of EIA notification 2006 vide no. 239/2015 in 13.1.2015. PP further stated that, the case was heard in SEAC-3 committee on 26.2.2015 & 21.7.2015. PP informed that, after this they have applied the application for EC to MOEF&CC portal in violation category- as per notification S. no. 804 (E) dated 14.3.2017 & again applied the application for EC in violation category to SEIAA Maharashtra as per public notice 5th April 2018.

PP submitted the EIA, which was taken on record. The project proposal was discussed on the basis of presentation made and documents submitted by the proponent. All issues related to environment, including air, water, land, soil, ecology and biodiversity and social aspects were discussed. Committee noted that the project is under 8a (B1) category of EIA Notification, 2006. Consolidated statements, synopsis of compliances, form 1, 1A, presentation & plans submitted are taken on the record.

Damage assessment report specifying activities contributing to the environmental damage and degradation noted from the report and deliberated in detail during the meeting. Details submitted by PP and accredited consultant as-

COST OF REMEDIATION PLAN AND NATURAL & COMMUNITY RESOURCE AUGMENTATION PLAN

Calculation of Cost of remediation plan and natural & community resource augmentation plan				
Sr.	**Description**	**Details**	**Amount (Rs. in Lacs)**	
1	**Total of recurring cost**	Cost arrived from above table per day X number of days in violation	**Rs. 142.67 Lacs**	
2	**Non-recurring cost**	Cost as arrived from above table	**Rs. 7.62 Lacs**	
		Sum (Subject to minimum Rs. 1 crore)	**Rs. 150.29 Lacs** **Which is >Rs. 100 Lacs**	
			Therefore, **Rs. 150.29 Lacs**	
3	**Economic benefits accrued due to violation**	1% of Total Project cost including land, as declared by PP before SEAC, subject to maximum Rs. 10 Cr.	**Rs. 73.00 Lacs**	
		Incremental cost of Rs. 10 lacs for each EC violation by PP or its directors observed at any other projects in last 3 years	**Nil**	
4	**Cost of remediation plan and natural & community resource Augmentation plan**	Sum of 1, 2 and 3 above or amount equivalent to the CER amount as per the MOEF&CC's office Memorandum No: F.NO 22-65/2017-IA-III dated 01/05/2018, whichever is higher.	**Sum (1+2+3)**	**Rs. 223.29 Lacs**
			CER Cost	**Rs. 146.00 Lacs**
			Therefore	
			Rs. 223.29 Lacs	

DECISION OF SEAC

The Damage Assessment value is arrived at Rs. 223.29 Lacs.

After deliberation, Committee decided to recommend the proposal for Environmental Clearance to SEIAA

Specific Conditions by SEAC:

1) PP to abide by CFO NoC issued time to time.
2) PP to submit the detail tree plantation plan with total tree numbers & position of the same.
3) The Damage Assessment value is arrived at Rs. 223.29 Lacs

FINAL RECOMMENDATION

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

122nd Day-2 SEAC-3 Agenda

SEAC Meeting number: 122 **Meeting Date** August 24, 2021

Subject: Environment Clearance for Residential & Commercial Project

Is a Violation Case: No

1.Name of Project	EMIRUS
2.Type of institution	Private
3.Name of Project Proponent	Mr. Milind Kenjale
4.Name of Consultant	-
5.Type of project	Residential & Commercial Project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in existing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes. EC obtained vide vo. SEAC-2013/CR-287/TC-2 dated 3rd December 2016
8.Location of the project	Survey No. 107
9.Taluka	Haveli
10.Village	Baner
Correspondence Name:	Mr. Abhijit Kulkarni
Room Number:	22
Floor:	NA
Building Name:	NA
Road/Street Name:	NA
Locality:	Parvati Gaon
City:	Pune
11.Whether in Corporation / Municipal / other area	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Applied
	IOD/IOA/Concession/Plan Approval Number: Applied
	Approved Built-up Area: 48325.13
13.Note on the initiated work (If applicable)	Yes Construction has been initiated as per the EC obtained vide No. SEAC-2013/CR-287/TC-2 dated 3 December 2016. Building A,B,C,D,E,H are completed in accordance with the EC obtained as above.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	20500.00
16.Deductions	4049.85
17.Net Plot area	16450.15
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 23825.01
	b) Non FSI area (sq. m.): 24500.12
	c) Total BUA area (sq. m.): 48325.13
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 23825.01
	Approved Non FSI area (sq. m.): 24500.12
	Date of Approval: 26-04-2017
19.Total ground coverage (m2)	3284.98
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	20%
21.Estimated cost of the project	30000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Bldg A	P+8	25.95
2	Bldg B	G+1	7.0
3	Bldg C	G+1	7.0
4	Bldg D	G+1	7.0
5	Bldg E	LG+G+8	35.9
6	Bldg F	LG+G+P+10	35.9
7	Bldg G	B+G+P+19	69.9
8	Bldg H	B+G+P+19	69.9
9	Club House	G+1	7.0

23.Number of tenants and shops	171 Tenements & shops of Commercial Area
24.Number of expected residents / users	Residential Users- 855 Nos & Commercial Users- 708 Nos
25.Tenant density per hectare	103.95
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	18 Meter wide D P Road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	Yes Construction has been initiated as per the EC obtained vide No. SEAC-2013/CR-287/TC-2 dated 3 December 2016. Building A,B,C,D,E,H are completed in accordance with the EC obtained as above.
30.Details of the demolition with disposal (If applicable)	Not Applicable

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	Pune Municipal Corporation
	Fresh water (CMD):	91.11
	Recycled water - Flushing (CMD):	56.18
	Recycled water - Gardening (CMD):	12
	Swimming pool make up (Cum):	13
	Total Water Requirement (CMD) :	172.29
	Fire fighting - Underground water tank(CMD):	As per NOC
	Fire fighting - Overhead water tank(CMD):	As per NOC
	Excess treated water	64
Wet season:	**Source of water**	Pune Municipal Corporation
	Fresh water (CMD):	91.11
	Recycled water - Flushing (CMD):	56.18
	Recycled water - Gardening (CMD):	12
	Swimming pool make up (Cum):	13
	Total Water Requirement (CMD) :	160.29
	Fire fighting - Underground water tank(CMD):	As per NOC
	Fire fighting - Overhead water tank(CMD):	As per NOC
	Excess treated water	76
Details of Swimming pool (If any)	Swimming pool 1: 11.17 x 6 x 1.2 m Swimming pool 2: 20 x 8 x 1.2 m	

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	0	147.29	147.29	0	39.29	39.29	0	133.0	133.0
Gardening	0	12	12	0	12	12	0	0	0
Fresh water requirement	0	91.11	91.11	0	9.12	9.12	0	81.99	81.99

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	10 m BGL
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	6 Nos.
	Size of recharge pits :	2 m x 2 m x 2.5 m
	Budgetary allocation (Capital cost) :	3.0 lakhs
	Budgetary allocation (O & M cost) :	1.0 lakh/year
	Details of UGT tanks if any :	Domestic UGT- 566 Cum Fire UGT - As per NOC
35.Storm water drainage	**Natural water drainage pattern:**	Slope if from West to East direction
	Quantity of storm water:	7742.43 m3/day
	Size of SWD:	450 mm to 600 mm
Sewage and Waste water	**Sewage generation in KLD:**	133 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	1 No. x 135 CMD
	Location & area of the STP:	Shown on plan
	Budgetary allocation (Capital cost):	Rs. 47.5 Lacs
	Budgetary allocation (O & M cost):	Rs. 9.85 Lacs/year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	5.0 Kg/d
	Disposal of the construction waste debris:	Handed over to authorized agency
Waste generation in the operation Phase:	**Dry waste:**	241.8 Kg/d
	Wet waste:	291.90 Kg/d
	Hazardous waste:	Negligible
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	11.93 Kg/day
	Others if any:	E Waste- 1135.5 Kg/Year

Mode of Disposal of waste:	**Dry waste:**	Will be handed over to authorized agency
	Wet waste:	In situ Composting
	Hazardous waste:	If generated shall be handed over to authorized agency
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	In situ composting in OWC
	Others if any:	E waste shall be handed over to authorized agency
Area requirement:	**Location(s):**	Shown on plan
	Area for the storage of waste & other material:	Shown on plan
	Area for machinery:	Considered in above area
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 11.0 Lakhs
	O & M cost:	Rs. 1.25 Lakhs/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	NA	NA	NA	NA	NA	NA

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	NA	NA	NA	NA
41.Source of Fuel		NA		
42.Mode of Transportation of fuel to site		NA		

43.Green Belt Development	**Total RG area :**	2256.89
	No of trees to be cut :	NIL
	Number of trees to be planted :	206
	List of proposed native trees :	Attached
	Timeline for completion of plantation :	Before completion of the project

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Prosopis cineraria	Shami	8	Hardy species. good for restoration of semi and areas. Drought resistant grows in very poor soil in semi arid areas.
2	Aegle marmelos	Bel	8	Aegle marmelos is native across the Indian subcontinent. It has a reputation in India for being able to grow in places that other trees cannot. It copes with a wide range of soil conditions (pH range 5-10), is tolerant of water logging and has an unusually wide temperature tolerance (from-7°C to 48 °C). It requires a pronounced dry season to give fruit.
3	Azadirachta Indica	Neem	8	Good for restoration of drier parts
4	Schleichera oleosa	Kusum	8	It is a larval host for butterflies Malayan, western centaur oakblue, common hedge blue.
5	Cassia fistula	Bahava	8	It is a larval host for butterflies like common emigrant.
6	Butea monosperma	Palas	8	Used in afforestation of saline and waterlogged regions. It is larval host for butterflies.
7	Emblica officinalis	Awala	8	Plant with good regenerative capacity, sturdy. Good for restoration of forest clearing.
8	Mimusops elengi	Bakul	8	Fruits are eaten by animals
9	Tamarindus indica	Chincha	8	Good for shade. Reduces temperatures. Fruits are favoured by wild animals.
10	Bauhinia purpurea	Rakta-Kanchan	8	"Leguminous, hardy species, drought resistant, good for plantation on land with less soil layers"
11	Lagerstroemia reginae	Tamhan	8	Large flowers, its lrval host of butterfly. Decoction of bark is used in fever. Fruit is used as local application in mouth.

12	Albizia lebbeck	Shirish	8	It is a larval host for butterflies common grass yellow. A fast growing nitrogen-fixing, heavy shade tree, recommended for reforestation and firewood plantations. older trees withstand grass
13	Mangifera Indica	Amba	8	Dominant in all kind of forets. Fruits are eaten by wild animals. It is a larval host for butterfly.
14	Garcinia	Kokam	8	Evergreen tree good for creating perennial greenery. Important species in evergreen forests
15	Cochlospermum religiosum	Ganer, Sonsawar	8	It attracts many birds while flowering, Leaves and gym useful in cough, diarrhoea and dysentery.
16	Syzygium cuminii	Jambhul	8	Edible fruits. The leaves are used as folder. Seeds are used to reduce blood sugar in diabetic
17	Phonenix sylvestris	Palm- Shindi	5	Ripe fruits are eaten by many animals this also helps in seed dispersal.
18	Spathodea campanulata	Pchkari	10	Na
19	Delonix regia	Neelmohor	4	Flowering plant
20	Cassia fistula	Bahava	2	It is a larval host for butterflies like common emigrant.
21	Millingtonia hortensis	Buch	1	NA
22	Veitchia Merrillii	Golden Plam	10	Palm Spp
23	Plumeria	Chafa	10	Flowering Plant
24	Ziziphus mauritiana	Indian Cheri	8	Fruiting plant, attracting Birds
25	Bauhinia variegata	Kanchan	4	Flowering plant
26	Nyctanthes arbor-tristis	Prajakta	2	Flowering plant
27	Dypsis lutescens	Areca Plam	8	Palm Spp
28	Moringa oleifera	Shevaga	1	Fruiting & Flowering Plant
29	Ficus benjamina	Ficus plant	13	Fruiting & Flowering Plant
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	45 KW
	DG set as Power back-up during construction phase	1 No. x 82.5 KVA
	During Operation phase (Connected load):	2233 KW
	During Operation phase (Demand load):	1355 KW
	Transformer:	3 Nos. x 630 KVA
	DG set as Power back-up during operation phase:	1 No. x 250 KVA, 1 No. x 82.5 KVA, 1 No. x 325 KVA, 1 No. x 100 KVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Use of energy efficient lights like LED, T5
Use of high efficient transformer
Use of solar street lights & water heating
Timer based switch for common lighting

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Use of energy efficient lights like LED, T5 Use of high efficient transformer Use of solar street lights Timer based switch for common lighting	15 %

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 90 lakhs
	O & M cost:	Rs. 0.9 lakhs/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 Construction & Labor	Water requirement	3.0
2	Site sanitation & Safety	Health & Safety	1.0
3	Environmental Monitoring	Pollution Monitoring	3.0
4	Disinfection	Health & Safety	0.5

5	Health Check up	Health & Safety	0.5

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Rain Water Harvesting	RWH Pits	3.0	1.0
2	Sewage treatment Plant	Waste water treatment	47.5	9.85
3	Organic Waste Composter	Solid waste management	11.0	1.25
4	Tree Plantation	Landscape development	12.66	2.0
5	Energy Saving	Energy Conservation	90.0	0.9
6	Swimming Pool	Swimming Pool	4.0	1.0
7	Environmental Monitoring	Pollution Monitoring	0.00	3.0

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

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

52.Any Other Information

No Information Available

53.Traffic Management

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

Parking details:	**Number and area of basement:**	1 No. - 2970.86 Sqm
	Number and area of podia:	1 No. - 2982.43 Sqm
	Total Parking area:	7111.75 Sqm
	Area per car:	12.5
	Area per car:	12.5
	Number of 2-Wheelers as approved by competent authority:	753 Nos
	Number of 4-Wheelers as approved by competent authority:	460 Nos
	Public Transport:	NA
	Width of all Internal roads (m):	Min 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) Building and Construction projects
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-

Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

Representative of PP Mr. Abhijeet Kulkarni was present during the meeting along with environmental consultant M/s. Pollution and Ecology Control Services (Pecs)

It is noted that, the PP has submitted the application for prior Environmental clearance for total plot area of 20500.00 m2, FSI area of 23825.01 m2, Non FSI area of 24500.12 m2 and total BUA of 48325.13 m2.

PP stated that, they have earlier EC vide letter dated 3/12/2016 for total built up area 47459.02 Sq.mt comprising 165 tenements. PP further stated that now they have proposed for addition of 6 tenements by converting some refuge area into flats. PP further stated that, till date they have completed construction of 42904.18Sq.mt area.

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

DECISION OF SEAC

After deliberation, Committee decided to recommend the proposal for Environmental Clearance to SEIAA, subject to compliance of above points.

Specific Conditions by SEAC:

1) PP to submit the revised Fire NoC.
2) PP to submit the Garden NoC.
3) PP to provide minimum 25 % of total parking arrangement with electric charging facility by providing charging points at suitable places.

FINAL RECOMMENDATION

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

122nd Day-2 SEAC-3 Agenda

SEAC Meeting number: 122 **Meeting Date** August 24, 2021

Subject: Environment Clearance for Amendment in Residential Development with convenient shopping project : Godrej Infinity (Phase I), Godrej Active (Phase II) , Phase III and Phase IV at Sr. no. 9 to 14 Hissa no.1/71 Keshavnagar Mundhawa, Taluka Haveli, Pune, Maharashtra

Is a Violation Case: No

1.Name of Project	Application for Amendment in Environment Clearance Residential Development with convenient shopping project : Godrej Infinity (Phase I), Godrej Active (Phase II) , Phase III and Phase IV at Sr. no. 9 to 14 Hissa no.1/71 Keshavnagar Mundhawa, Taluka Haveli, Pune, Maharashtra
2.Type of institution	Private
3.Name of Project Proponent	M/s PINNI CO-OPERATIVE HOUSING SOCIETY& SHARAD CO-OPERATIVE HOUSING SOCIETY DEVELOPER- OXFORD REALTY LLP
4.Name of Consultant	M/s Ultra-Tech
5.Type of project	Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	Amendment in existing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes, 1st Environment Clearance has been obtained for project vide letter No. SEACIII 2015/CR-17/TC-2 dated 04-06-2016 for Plot area of 1, 73,800 m2 and built-up area of 3,89,865.74 m2. 2nd EC received for expansion in earlier EC SEIAA-EC-0000000542 dated 30.11.2018
8.Location of the project	Sr. no. 9 to 14 Hissa no.1/71
9.Taluka	Haveli
10.Village	Keshavnagar Mundhawa.
Correspondence Name:	Mr. Anirudha Uttam Seolekar
Room Number:	501
Floor:	--
Building Name:	Kensington Court
Road/Street Name:	Lane No. 5, Off North Main Road,
Locality:	Koregaon Park
City:	Pune - 411001
11.Whether in Corporation / Municipal / other area	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Layout & Building Plan
	IOD/IOA/Concession/Plan Approval Number: Will be applied
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	Work has been initiated on site as per EC received dated 30.11.2018.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Sanctioned layout bearing no. BHA/816/16-17/Mouze Mundhawa/s.no. 9 to 14 hissa no. 1 to 11 & other dated 04/10/2017.
15.Total Plot Area (sq. m.)	1,73,800.00
16.Deductions	3,666.45
17.Net Plot area	1,44,612.96
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 293725.01
	b) Non FSI area (sq. m.): 217945.01
	c) Total BUA area (sq. m.): 511670.02
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 293725.01
	Approved Non FSI area (sq. m.): 184083.02
	Date of Approval: 01-04-2019
19.Total ground coverage (m2)	44,235
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	34
21.Estimated cost of the project	17090000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	1	P1+P2+28	91.3
2	2	P1+P2+22	74.5
3	3	P1+P2+22	74.5
4	4	P1+P2+P3+22	78.1
5	5	P1+P2+P3+22	74.5
6	6A	P1+P2+17	59.5
7	6B	P1+P2+17+shops	59.5
8	7	P1+25+shops	80.1
9	8	P1+P2+P3+P4+27	90.8
10	9	P1+P2+P3+P4+27	93.75
11	10	P1+P2+P3+P4+25	88.1
12	11	P1+P2+P3+P4+23	82.1
13	12	P1+P2+P3+P4+P5+25	94.4
14	13	P1+P2+P3+P4+P5+25	94.4
15	14	P1+P2+P3+P4+P5+25	94.4
16	15	P1+P2+P3+P4+P5+25	94.4
17	16	P1+P2+P3+P4+P5+25	94.4
18	17	STILT+25	80.1
19	18	STILT+25	80.1
20	19	P1+P2+2	-

23.Number of tenants and shops	Residential - 3,528 nos. Commercial complex - 60 nos.
24.Number of expected residents / users	Residential: 17,640 Nos. Commercial: 700 Nos.
25.Tenant density per hectare	281.89 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)	Nearest Fire Station is situated at: Yerawada Fire Brigade Station Road width : 12 m.
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 9 m
29.Existing structure (s) if any	Phase-I : 6 buildings
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):	1602
	Recycled water - Flushing (CMD):	812
	Recycled water - Gardening (CMD):	130
	Swimming pool make up (Cum):	45
	Total Water Requirement (CMD) :	2544
	Fire fighting - Underground water tank(CMD):	900
	Fire fighting - Overhead water tank(CMD):	25 KLD per Tower
	Excess treated water	26 959
Wet season:	**Source of water**	PMC
	Fresh water (CMD):	1602
	Recycled water - Flushing (CMD):	812
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	45
	Total Water Requirement (CMD) :	2414
	Fire fighting - Underground water tank(CMD):	900
	Fire fighting - Overhead water tank(CMD):	25 KLD per Tower
	Excess treated water	1089
Details of Swimming pool (If any)	Phase I: 243.88 m2 Phase II: 231.00 m2 Phase III: 277.20 m2	

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 – 28.75 m to 36.88 m BGL Rainy Season – 8.50 m. to 18.00 BGL Winter Season – 18.63 m to 27.44 m BGL
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	No of Recharge pit with bore well: 21 nos.
	Size of recharge pits :	Size of the Recharge bore well: 3m x 3m x 3m
	Budgetary allocation (Capital cost) :	Rs. 87.5 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 5 Lakhs/annum
	Details of UGT tanks if any :	Residential: Domestic UG tank Capacity: --1470 CMD Flushing UG tank Capacity: -- 864 CMD Fire UG tank Capacity: -- 900 CMD Commercial: Domestic UG tank Capacity: 14 CMD Flushing UG tank Capacity: 17.5 CMD Fire UG tank Capacity: Combined with residential component

35.Storm water drainage	**Natural water drainage pattern:**	South East to North West
	Quantity of storm water:	1771 Cum/day
	Size of SWD:	External SWD: River Internal SWD: 600 (W) mm x 900 (D) mm 600 (W) mm x 800 (D) mm 700 (W) mm x 900 (D) mm 700 (W) mm x 900 (D) mm

Sewage and Waste water	**Sewage generation in KLD:**	Residential: 2064, Commercial: 29
	STP technology:	MBBR
	Capacity of STP (CMD):	480 KL & 415 KL, 580 KL, 610 KL, 28 KL
	Location & area of the STP:	As per Master Layout
	Budgetary allocation (Capital cost):	Rs. 315 Lakhs
	Budgetary allocation (O & M cost):	Rs. 43 Lakhs/Annum

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	63 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:**	3612 kg/day
	Wet waste:	5348 kg/day
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	330 kg/day
	Others if any:	Not any

Mode of Disposal of waste:	**Dry waste:**	Will be handed over to authorised vendor SWACH.
	Wet waste:	Floor to floor collection and segregation of dry and wet waste and collected separately. Wet waste will be treated in an organic waste converter (OWC).
	Hazardous waste:	Will be handed over to authorized vendor
	Biomedical waste (If applicable):	Not any
	STP Sludge (Dry sludge):	Will be used as manure for landscaping after treatment in OWC.
	Others if any:	Not any
Area requirement:	**Location(s):**	Near entrance
	Area for the storage of waste & other material:	700 m2
	Area for machinery:	300 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 50 Lakhs
	O & M cost:	Rs. 10 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	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 :**	18,344.72 m2
	No of trees to be cut :	19 nos
	Number of trees to be planted :	1810 nos
	List of proposed native trees :	As mentioned below
	Timeline for completion of plantation :	Till the completion of the project.

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Aegele marmelos	Bel	30	Small deciduous tree with edible fruits that attracts birds.
2	Albizia lebbeck	Shirish	50	Shade giving tree with a large canopy, Nitrogen Fixing tree.
3	Angoeissus latifolia	Dhawda	20	Large deciduous tree with fruits that attract birds
4	Anthocephalus kadamba	Kadamba	50	Evergreen tree with large canopy and fragrant flowers.
5	Azardirachta indica	Neem	50	Shady, Fast growing, large evergreen tree with white fragrant flowers
6	Bauhinia purpurea	Kanchan	40	Small, deciduous tree with pink fragrant flowers, attracts butterflies
7	Butea monosperma	Flame of Forest	40	Large canopy tree with beautiful orange flowers and medicinal properties
8	Cassia fistula	Golden shower tree	50	Medium, fast growing deciduous tree with yellow flowers, acts as butterfly host
9	Cassia nodosa	Pink Casia	40	Large canopy tree with showy, birds and butterflies attracting flowers
10	Caryota urens	Fishtail Palm	50	Tall growing palm, attracts birds , good for roadside planting
11	Cordia gharaf	Gondan	30	Small deciduous tree with edible fruits that attracts bird
12	Crataeva religiosa	Varun	20	Medium canopy tree which comes along river
13	Dalbergia lanceolaria	Phanshi	30	Small deciduous tree with edible fruits that attracts birds
14	Erythrina indica	Pangara	50	Large canopy tree with beautiful red flowers.
15	Ficus benghalensis	Wad	20	Large canopy tree, forms nesting habitat for birds
16	Ficus glomerata	Umber	30	Large canopy tree, forms food source and nesting habitat for birds.

17	Ficus microcarpa	Nandruk	30	Large evergreen tree forming nesting habitat for birds
18	Hardwickia binata	Anjan	40	Large deciduous tree that attracts birds
19	Largerstroemia flos reginae	Pride of India	40	Shady, medium sized tree with beautiful purple flowers. Also known as the State flower tree of Maharashtra.
20	Madhuka longifolia	Moha	40	Large deciduous tree, that attract birds
21	Mesua ferrea	Nagkesar	40	Flowering, medicinal tree with birds and Butterflies attracting flowers
22	Michelia champaca	Champak tree	50	Shady, medium sized evergreen tree with fragrant yellow flowers. Acts as a butterfly host.
23	Millingtonia hortensis	Indian cork tree	50	Shady, Large, evergreen tree with white fragrant flowers
24	Mimusops elengi	Bakul	50	Large evergreen tree with fragrant flowers, attracts bees, birds
25	Moringa oleifera	Drumstick Tree	30	Edible vegetable, Nitrogen Fixing tree.
26	Ougeinia oojeinensis	Kala Palas	30	Large deciduous tree with beautiful flowers that attracts birds
27	Plumeria alba	Frangipani White	50	Small, evergreen, ornamental tree with white fragrant flowers
28	Pongamia pinnata	Karanj	40	Large deciduous tree that attracts birds
29	Putranjiva roxburghii	Putranjiva tree	40	Shady, medium sized tree with drooping form.
30	Salix tetrasperma	Indian willow	30	Shady, medium sized tree. And good nesting habitat and food source for birds and good riparian tree
31	Saraca asoca	Sita ashok tree	40	Shady, medium sized tree with red and yellow flowers
32	Sesbania grandiflora	Agati	30	Beautiful flowers, Nitrogen Fixing tree
33	Tamarindus indica	Tamarind	40	Long lived tropical evergreen tree with a spreading crown and evergreen foliage, with brown sticky fruit of sour taste
34	Terminalia bellirica	Beheda	40	Large deciduous tree, that attract birds
35	Terminalia catappa	Indian almond tree	50	Shady, medium sized tree. Forms its canopy like an umbrella. And good nesting habitat and food source for birds
36	Fruit bearing trees	--	--	--
37	Annona cherimola	Custard Apple	20	Deciduous tree grows well in warm climatic conditions, can tolerate long periods of dry weather
38	Atrocarpus integrifolia	Jackfruit	20	Nesting habitat for birds. Dense foliage creates nice shade under it.

39	Atrocarpus lachuca	Breadfruit	30	Large tree, nesting habitat for birds and bears ample fruits during season.
40	Citrus mitis	Orange	40	Plants require maximum sunlight to flower and fruit properly
41	Cocos nucifera	Coconut Tree	40	Known as Kalpataru - since every part of the tree is used
42	Emblica officinalis	Aawala	40	Small deciduous tree that bears medicinal fruits.
43	Ficus carica	Anjeer	30	Delicious variety. Attracts a lot of birds. Needs a sunny location and less water
44	Mangifera indica	Royal Mango	40	Mango is an attractive, lucious, tasty and nutritious fruit with a distinct and pleasant aroma, and delicate flavour
45	Manilkara zapota	Chickoo	40	A real tasty variety of Sapota. The tree too is very ornamental and evergreen. One of the easiest to take care of. Plants are slow growing
46	Psidium gujava kg guava	Guava Large Fruited	40	Owing to its hardy nature, guava is grown successfully in tropical
47	Punica granatum bhagwa	Pomegranate Bhagwa	40	This tree should be planted in full sunlight, grows well in hot and dry condition
48	Syzygium cumini	Jamun	30	Large tree, nesting habitat for birds and bears ample fruits during season.
49	Tamarindus indica red	Tamarind Red	40	The deep red flesh makes it very attractive. Grafted plants ensure early fruiting.
50	Total	--	1810	--
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	Alpinia calcarata	1.2	313.25
2	Alpinia purpurata	1.2	318.25
3	Asplenium nidus	0.7	188.75
4	Bauhinia acuminata	16.62	415.5
5	Clerodendrum paniculatum	1.2	311.5
6	Cordyline terminalis mahatma	0.9	249
7	Crinum asiaticum	0.8	212
8	Galphimia glauca	1.4	365.5
9	Hedychium coronarium	1.5	386
10	Hedychium flavescens	1.3	331.5
11	Heliconia psittacorum fire flash	1.4	368
12	Heliconia rostrata	0.5	134.5

13	Malvaviscus arboreus mexicanus	0.7	192
14	Murraya exotica	1.3	343.5
15	Strelitzia reginae	1.4	368
16	Tecoma capensis	1.3	332

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	100 kVA x 1 no.
	During Operation phase (Connected load):	64,607 kW
	During Operation phase (Demand load):	17,828 kW
	Transformer:	630 kVA 44 nos.
	DG set as Power back-up during operation phase:	PH-1: 1 x 625 + 2 x 750 kVA, PH-2: 3 x 625 kVA, PH-3: 3 x 625 kVA, PH-4: 1 x 380 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

- Green Area - Landscape
- Street Light
- Parking (Light + Socket) Building Façade, Building Periphery, Corridor & Staircase Lighting
- Club House
- Solar Water Heater

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar Energy – Outdoor lightening/ street light	1,11,781 kWh
2	Auto timer Logic Controller	1,34,431 kWh
3	Electronic V3F drive for Lifts	25,500 kWh
4	Solar Water heater	68,985 kWh

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. 347 Lakhs
	O & M cost:	Rs. 21 Lakh/Annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air & Noise	Water For Dust Suppression	1.80
2	Air & Noise	Air & Noise monitoring	0.72
3	Water	Tanker water for construction & worker	2.40
4	Water	Water monitoring	0.60
5	Land	Labour toilets Cleaning 10,000 Rs./month	0.50
6	Biological	Gardening & Excavation	11.32
7	Socio	Disinfection at site	0.18
8	Socio	Safety, First Aid, Health Hygiene Facilities	0.18
9	Socio	Health Check Up	2.40
10	Socio	Creches for children	3.00
11	Socio	Personal Protective Equipment	0.18
12	Socio	CFL lamps for labor hutments	1.92
13	Socio	Testing Charges	0.6
14	Total	--	25.8

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	Cost for sewage Treatment Plant	315.0	43.0
2	Rain Water Harvesting	21 nos of recharge pits	87.5	5.0
3	Environmental Monitoring	By outside MoEF & CC Approved Laboratory	-	83.82
4	Gardening (Including transplantation)	RG area	574.0	57.4
5	Solid waste	Cost for Treatment of biodegradable garbage in OWC	50.0	10.0
6	Energy	Pollution control equipments	347.0	15.0
7	Swimming pool	Construction and maintenance	150.0	15.0
8	WTP cost	Construction and maintenance	85.0	6.5
9	Solar	Provision and maintenence	600.0	80.0

10	TOTAL	-	2,208.50	315.72

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:**	Not any
	Number and area of podia:	1 Podia/building; Area of the podium = 41145.35 4 nos
	Total Parking area:	1,12,222.37 m2
	Area per car:	35
	Area per car:	35
	Number of 2-Wheelers as approved by competent authority:	4,906
	Number of 4-Wheelers as approved by competent authority:	1,980
	Public Transport:	Nearest Bus stop
	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	8b (B1)
	Court cases pending if any	NA

	Other Relevant Informations	We have received Environment Clearance vide SEIAA-EC-0000000542 dated 30.11.2018
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

TOR Suggested Changes

Consolidated Statement Point Number	Original Remarks	Submitted Changes
Subject:	Environment Clearance for Amendment in Residential Development with convenient shopping project : Godrej Infinity (Phase I), Godrej Active (Phase II) , Phase III and Phase IV at Sr. no. 9 to 14 Hissa no.1/71 Keshavnagar Mundhawa, Taluka Haveli, Pune, Maharashtra	Environment Clearance for Amendment in Residential Development with convenient shopping project : Godrej Infinity (Phase I), Godrej Rejuve (Phase II) , Phase III and Phase IV at Sr. no. 9 to 14 Hissa no.1/71 Keshavnagar Mundhawa, Taluka Haveli, Pune, Maharashtra by M/s PINNI CO-OPERATIVE HOUSING SOCIETY& SHARAD CO-OPERATIVE HOUSING SOCIETY DEVELOPER- OXFORD REALTY LLP
1.Name of Project	Application for Amendment in Environment Clearance Residential Development with convenient shopping project : Godrej Infinity (Phase I), Godrej Active (Phase II) , Phase III and Phase IV at Sr. no. 9 to 14 Hissa no.1/71 Keshavnagar Mundhawa, Taluka Haveli, Pune, Maharashtra	Environment Clearance for Amendment in Residential Development with convenient shopping project : Godrej Infinity (Phase I), Godrej Rejuve (Phase II) , Phase III and Phase IV at Sr. no. 9 to 14 Hissa no.1/71 Keshavnagar Mundhawa, Taluka Haveli, Pune, Maharashtra by M/s PINNI CO-OPERATIVE HOUSING SOCIETY& SHARAD CO-OPERATIVE HOUSING SOCIETY DEVELOPER- OXFORD REALTY LLP
2.Type of institution	Private	Private/ Partner
5.Type of project	Housing project	Township project
12.IOD/IOA/Concession/Plan Approval Number	IOD/IOA/Concession/Plan Approval Number: Will be applied	IOD/IOA/Concession/Plan Approval Number: CC/1415/18 dated 10/08/2018
13.Note on the initiated work (If applicable)	Work has been initiated on site as per EC received dated 30.11.2018.	Work has been initiated on site as per EC received dated 04.06.2016 and 30.11.2018. Construction area were completed 1,79,953.60 m2
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Sanctioned layout bearing no. BHA/816/16-17/Mouze Mundhawa/s.no. 9 to 14 hissa no. 1 to 11 & other dated 04/10/2017.	Sanctioned layout bearing no. BHA/816/16-17/Mouze Mundhawa/s.no. 9 to 14 hissa no. 1 to 11 & other dated 04/10/2017 and revised sanctioned CC/1415/18 dated 10/08/2018
16.Deductions	3,666.45	29,187.04?
18 (a).Proposed Built-up Area (FSI & Non-FSI)	FSI area (sq. m.): 293725.01	FSI area (sq. m.): 2,04,819.06 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	Non FSI area (sq. m.): 217945.01	Non FSI area (sq. m.): 1,69,435.77 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	Total BUA area (sq. m.): 511670.02	Total BUA area (sq. m.): 3,74,254.83 m2
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 293725.01	Approved FSI area (sq. m.): 170013.95
18 (b).Approved Built up area as per DCR	Approved Non FSI area (sq. m.): 184083.02	Approved Non FSI area (sq. m.): 172283.40
18 (b).Approved Built up area as per DCR	Date of Approval: 01-04-2019	Date of Approval: 10/08/2018

22.Number of buildings & its configuration	Building Name & number : 1	Building Name & number : Phase I : T1 : Completed
22.Number of buildings & its configuration	Building Name & number : 2	Building Name & number : Phase I : T2 Completed
22.Number of buildings & its configuration	Building Name & number : 3	Building Name & number : Phase I : T3 Completed
22.Number of buildings & its configuration	Building Name & number : 4	Building Name & number : Phase I : T4 Completed
22.Number of buildings & its configuration	Building Name & number : 5	Building Name & number : Phase I : T5 Completed
22.Number of buildings & its configuration	Building Name & number : 6A	Building Name & number : Phase I : T6A Completed
22.Number of buildings & its configuration	Building Name & number : 6B	Building Name & number : Phase I : T6B Completed
22.Number of buildings & its configuration	Building Name & number : 7 : Building Configuration P1+25+shops Height of the building (Mtrs) : 80.1	Phase II : T7 : Under construction : P1+22+shops : Height of building : 69.90m
22.Number of buildings & its configuration	Building Name & number : 8: Building Configuration: P1+P2+P3+P4+27 : Height of the building (Mtrs) : 90.8	Phase II : T8 : Under construction : P1+P2+P3+20 : Height : 68.15m
22.Number of buildings & its configuration	Building Name & number : 9: Building Configuration: P1+P2+P3+P4+27 : Height of the building (Mtrs) : 93.75	Phase II : T9 : Under construction : P1+P2+P3+19 : Height : 68.45m
22.Number of buildings & its configuration	Building Name & number : 10: Building Configuration: P1+P2+P3+P4+25 : Height of the building (Mtrs) : 88.1	Phase II : T10: Under construction : P1+P2+P3+19 : Height : 68.45m
22.Number of buildings & its configuration	Building Name & number : 11: Building Configuration: P1+P2+P3+P4+23 : Height of the building (Mtrs) : 82.1	Phase II : T11 : Under construction : P1+P2+P3+19 : Height : 68.45m
22.Number of buildings & its configuration	Building Name & number : 12: Building Configuration: P1+P2+P3+P4+P5+25 : Height of the building (Mtrs) : 94.4	Phase III : T12 : Not yet Started: P1+P2+P3+P4+14 : Height : 57.40m
22.Number of buildings & its configuration	Building Name & number : 13 Building Configuration: P1+P2+P3+P4+P5+25 : Height of the building (Mtrs) : 94.4	Phase III : T13 : Not yet Started: P1+P2+P3+14 : Height : 53.90m
22.Number of buildings & its configuration	Building Name & number : 14: Building Configuration: P1+P2+P3+P4+P5+25 : Height of the building (Mtrs) : 94.4	Phase III : T14 : Not yet Started: P1+P2+P3+14 : Height : 53.90m
22.Number of buildings & its configuration	Building Name & number : 15: Building Configuration: P1+P2+P3+P4+P5+25 : Height of the building (Mtrs) : 94.4	Phase III : T15 : Not yet Started: P1+P2+P3+P4+14 : Height : 57.40m
22.Number of buildings & its configuration	Building Name & number : 16: Building Configuration: P1+P2+P3+P4+P5+25 : Height of the building (Mtrs) : 94.4	Phase III : T16 : Not yet Started: P1+P2+P3+P4+14 : Height : 57.40m
22.Number of buildings & its configuration	Building Name & number : 17: Building Configuration: STILT+25 : Height of the building (Mtrs) : 80.1	Phase IV : T17: Not yet Started: P1+P2+12 : Height : 43.75m
22.Number of buildings & its configuration	Building Name & number : 18: Building Configuration: STILT+25 : Height of the building (Mtrs) : 80.1	To be removed
22.Number of buildings & its configuration	Building Name & number : 19: Building Configuration: P1+P2+2 : Height of the building (Mtrs) : -	To be removed
22.Number of buildings & its configuration	Not Reflected in EC	As per EC Commercial-Phase-1 : Completed : Building configuration : Ground floor: Height : 4.35m

22.Number of buildings & its configuration	Not Reflected in EC	As per EC Commercial-Phase-2 : under construction : Building configuration : Ground floor: Height : 4.35m
22.Number of buildings & its configuration	Not Reflected in EC	As per EC Commercial-Phase-3 : Not yet started : Building configuration : Ground floor: Height : 4.35m
23.Number of tenants and shops	Residential - 3,528 nos. Commercial complex - 60 nos	Total tenements: Residential- 2542 nos. Commercial complex- 41 nos.
24.Number of expected residents / users	Residential: 17,640 Nos. Commercial: 700 Nos	Residential: 12710 Nos. Commercial: 738 Nos.
25.Tenant density per hectare	281.89 tenant/hector	152 tenant/hector
26.Height of the building(s)	-	Maximum height 91.3 m
29.Existing structure (s) if any	Phase-I : 6 buildings	Phase-I : 6 no. of buildings were completed as per EC received
32.Total Water Requirement : Dry season:	Fresh water (CMD): 1602	Residential – 1176 Commercial – 4 Total Fresh water - 1180
32.Total Water Requirement : Dry season:	Recycled water - Flushing (CMD): 812	Residential – 573 Commercial – 5 Total Flushing water - 578
32.Total Water Requirement : Dry season:	Recycled water - Gardening (CMD): 130	Recycled water - Gardening (CMD): 122
32.Total Water Requirement : Dry season:	Total Water Requirement (CMD) : 2544	Total Water Requirement (CMD) : 1803
32.Total Water Requirement Dry season:	Excess treated water : 26 959	Excess treated water : 798
32.Total Water Requirement : Wet season:	Fresh water (CMD): 1602	Residential – 1176 Commercial – 4 Total Fresh water - 1180
32.Total Water Requirement : Wet season:	Recycled water - Flushing (CMD): 812	Residential – 573 Commercial – 5 Total Flushing water - 578
32.Total Water Requirement : Wet season:	Total Water Requirement (CMD) : 2414	Total Water Requirement (CMD) : 1803
32.Total Water Requirement : Wet season:	Excess treated water : 1089	Excess treated water : 920
Details of Swimming pool (If any)	Phase I: 243.88 m2 Phase II: 231.00 m2 Phase III: 277.20 m2	Phase I: 243.88 m2 Phase II: 368.00 m2 Phase III: 256.00 m2
34.Rain Water Harvesting (RWH)	Quantity of recharge pits: No of Recharge pit with bore well: 21 nos.	Open well Recharge – 2 no No of Recharge pit with bore well: 21 nos.
34.Rain Water Harvesting (RWH)	Details of UGT tanks if any :	WTP details – ACF, MGF and Softener and WTP Capacity - 1,176 CMD
34.Rain Water Harvesting (RWH)	Details of UGT tanks if any : Residential: Domestic UG tank Capacity: --1470 CMD Flushing UG tank Capacity: -- 864 CMD Fire UG tank Capacity: -- 900 CMD	Details of UGT tanks if any : Residential: Domestic UG tank Capacity: --1,176 CMD Flushing UG tank Capacity: -- 573 CMD Fire UG tank Capacity: -- 900 CMD
36.Sewage and Waste water	Sewage generation in KLD: Residential: 2064, Commercial: 29	Sewage generation in KLD: Residential : 1740 Commercial : 9
36.Sewage and Waste water	Capacity of STP (CMD): 480 KL & 415 KL, 580 KL, 610 KL, 28 KL	Capacity of STP (CMD): 480KL 415 KL, 450 KL, 400 KL, 60 KL
36.Sewage and Waste water	Location & area of the STP: As per Master Layout	STP 1: At Phase-I STP 2: At Phase-I STP 3: At Phase-II STP 4: At Phase-III, STP 5:At Phase IV
36.Sewage and Waste water	Budgetary allocation (Capital cost): Rs. 315 Lakhs	Rs. 337.50 lacs for residential Rs. 26.25 lacs for commercial
36.Sewage and Waste water	Budgetary allocation (O & M cost): Rs. 43 Lakhs/Annum	Rs.35 lacs/Annum for residential Rs.7.25 lacs/Annum for commercial

37.Solid waste Management Waste generation in the Pre Construction and Construction phase:	Waste generation: 63 kg/day	Excavation quantity -221080 m3 (phase wise quantity) During construction phase – solid waste - 63 kg/day
37.Solid waste Management : Waste generation in the operation Phase:	Dry waste: 3612 kg/day	Dry waste: 2220 kg/day
37.Solid waste Management : Waste generation in the operation Phase:	Wet waste: 5348 kg/day	Wet waste: 3114 kg/day
Waste generation in the operation Phase:	STP Sludge (Dry sludge): 330 kg/day	STP Sludge (Dry sludge): 136 kg/day
Mode of Disposal of waste :	Hazardous waste: Will be handed over to authorized vendor	Mode of Disposal of waste : Hazardous waste: Not applicable
Mode of Disposal of waste :	STP Sludge (Dry sludge): Will be used as manure for landscaping after treatment in OWC.	STP Sludge (Dry sludge): Will be used as manure for landscaping
Area requirement:	Area for the storage of waste & other material: 700 m2	Area for the storage of waste & other material: Phase-1 – 131.43 sqm Phase-2 – 128.51 sqm Phase-3-122.70 sqm Phase-4-24.98 sqm
Area requirement:	Location : Near entrance	Location : marked on layout as per Phase 1 2 3 & 4
44.Green Belt Development	No of trees to be cut : 19 nos	No to be Cut - 21 no. No of trees to be transplanted - 42 no. No of trees to be retained - 83
44.Green Belt Development	Number of trees to be planted : 1810 nos	Required - 1810 no and Proposed - 1937 no.
48.Energy Power requirement:	During Operation phase (Connected load): 64,607 kW	During Operation phase (Connected load): 60192 kVA
48.Energy Power requirement:	During Operation phase (Demand load): 17,828 kW	During Operation phase (Demand load): 18014 kVA
48.Energy Power requirement:	Transformer: 630 kVA and 44 nos	Transformer: 630 kVA – 34 nos. PH-1: 14 x 630 kVA, PH-2: 10 x 630 kVA, PH-3: 8 x 630 kVA, PH-4: 2 x 630 kVA
48.Energy Power requirement:	DG set as Power back-up during operation phase: PH-1: 1 x 625 + 2 x 750 kVA, PH-2: 3 x 625 kVA, PH-3: 3 x 625 kVA, PH-4: 1 x 380 kVA	DG set as Power back-up during operation phase: PH-1: 1x 625 + 2x750 kVA, PH-2: 2 x 700 kVA, PH-3: 2 x 700 kVA, PH-4: 1 x 500 kVA
51.Details of pollution control Systems Budgetary allocation (Capital cost and O&M cost):	Capital cost: Rs. 347 Lakhs	Capital cost: Rs. 600 Lac. Approx.
52.Environmental Management plan Budgetary Allocation b) Operation Phase (with Break-up):	b) Operation Phase (with Break-up): STP Cost Capital cost Rs. In Lacs – 315 Operational and Maintenance cost (Rs. in Lacs/yr) - 43	b) Operation Phase (with Break-up): STP Cost Capital cost Rs. In Lacs – 365.75 Operational and Maintenance cost (Rs. in Lacs/yr) – 42.25
52.Environmental Management plan Budgetary Allocation b) Operation Phase (with Break-up):	Solar Capital cost Rs. In Lacs – 600 Operational and Maintenance cost (Rs. in Lacs/yr) - 80	Solar Capital cost Rs. In Lacs – 600 Operational and Maintenance cost (Rs. in Lacs/yr) - 21
52.Environmental Management plan Budgetary Allocation b) Operation Phase (with Break-up):	TOTAL Capital cost Rs. In Lacs – 2208.50 Operational and Maintenance cost (Rs. in Lacs/yr) – 315.72	TOTAL Capital cost Rs. In Lacs – 2260.25 Operational and Maintenance cost (Rs. in Lacs/yr) – 255.97
54. Traffic Management	Parking details: Number and area of podia: 1 Podia/building; Area of the podium = 41145.35 4 nos.	Phase-1 – 2 podiums Phase-2 – 3 Podiums Phase-3 – 5 Podium

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS	
Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-
Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

PP was absent, hence project deferred.

DECISION OF SEAC

PP was absent, hence project deferred.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

SEAC-III decided to defer the proposal.Kindly find SEAC decision above.

122nd Day-2 SEAC-3 Agenda

SEAC Meeting number: 122 **Meeting Date** August 24, 2021

Subject: Environment Clearance for Amendment of Wipro Ltd. at Plot No. 31, Rajiv Gandhi Infotech Park, Hinjewadi, MIDC Phase II, Pune

Is a Violation Case: No

1.Name of Project	Amendment of Wipro Ltd. at Plot No. 31, Rajiv Gandhi Infotech Park, Hinjewadi, MIDC Phase II, Pune
2.Type of institution	Private
3.Name of Project Proponent	Mr. Sunil Kumar Debta
4.Name of Consultant	MITCON Consultancy & Engineering Services Ltd.
5.Type of project	Others
6.New project/expansion in existing project/modernization/diversification in existing project	Amendment in Existing Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	EC obtained vide No. 21-168/2008-IA.III/TC1 dated 04/06/2009
8.Location of the project	Plot No. 31, Rajiv Gandhi Infotech Park, Hinjewadi, MIDC Phase II, Pune
9.Taluka	Mulshi
10.Village	Hinjewadi
Correspondence Name:	Mr. Sunil Kumar Debta
Room Number:	NA
Floor:	NA
Building Name:	NA
Road/Street Name:	Rajiv Gandhi Infotech Park
Locality:	Hinjewadi, MIDC Phase II
City:	Pune
11.Whether in Corporation / Municipal / other area	Hinjewadi, MIDC Phase II
12.IOD/IOA/Concession/Plan Approval Number	EE IT Plan D 36522 6/11/2015
	IOD/IOA/Concession/Plan Approval Number: EE IT Plan D 36522 6/11/2015
	Approved Built-up Area: 120949.99
13.Note on the initiated work (If applicable)	Software Development Block 4 & Logistic Block - Completed
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	EE IT Plan D 36522 6/11/2015
15.Total Plot Area (sq. m.)	199934.05 Sq. m.
16.Deductions	19934.05 Sq. m.
17.Net Plot area	180000.0 Sq. m.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 63704.28
	b) Non FSI area (sq. m.): 84335.42
	c) Total BUA area (sq. m.): 148039.7
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 63704.28 Sq. m.
	Approved Non FSI area (sq. m.): 84335.42
	Date of Approval: 06-11-2015
19.Total ground coverage (m2)	44920.44
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	40.0
21.Estimated cost of the project	56300000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Middle Block	G+8	38
2	Logistic Block	G+2	14
3	Software Development Block 4	G+9	45
4	Software Development Block 5	G+9	41
5	MLCP	L1+L2+G+6	32

23.Number of tenants and shops	NA
24.Number of expected residents / users	7000
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)	12.0 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	12.0 m
29.Existing structure (s) if any	SDB 4, Logistics Building
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):	386.0
	Recycled water - Flushing (CMD):	350.0
	Recycled water - Gardening (CMD):	190.0
	Swimming pool make up (Cum):	0.0
	Total Water Requirement (CMD) :	926.0
	Fire fighting - Underground water tank(CMD):	350.0
	Fire fighting - Overhead water tank(CMD):	0.0
	Excess treated water	386.0
Wet season:	**Source of water**	Pune Municipal Corporation
	Fresh water (CMD):	386.0
	Recycled water - Flushing (CMD):	350.0
	Recycled water - Gardening (CMD):	0.0
	Swimming pool make up (Cum):	0.0
	Total Water Requirement (CMD) :	736.0
	Fire fighting - Underground water tank(CMD):	350.0
	Fire fighting - Overhead water tank(CMD):	0.0
	Excess treated water	386.0
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	0.0	350.0	350.0	0.0	35.0	35.0	0.0	315.0	315.0
Cooling tower & thermopack	0.0	120.0	0.0	0.0	120.0	120.0	0.0	0.0	0.0
Gardening	0.0	190.0	190.0	0.0	190.0	190.0	0.0	0.0	0.0

Fresh water requirement	0.0	386.0	386.0	0.0	38.6	38.6	0.0	347.4	347.5

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	6-7 m
	Size and no of RWH tank(s) and Quantity:	1 Nos. having 3000 m3 capacity & 2000 m3 RCC Tank
	Location of the RWH tank(s):	Near main entry gate
	Quantity of recharge pits:	2 Nos.
	Size of recharge pits :	2m x 2m x 2m
	Budgetary allocation (Capital cost) :	30.0 Lakhs
	Budgetary allocation (O & M cost) :	2.5 Lakhs/yr
	Details of UGT tanks if any :	Domestic UG Tank: 500000 Lits. Flushing UG Tank: 200000 Lits. Fire UG Tank: 300000 Lits.
35.Storm water drainage	**Natural water drainage pattern:**	Slope from West to East Direction
	Quantity of storm water:	0.27 m3/sec
	Size of SWD:	350 mm x 350 mm
Sewage and Waste water	**Sewage generation in KLD:**	662.5
	STP technology:	MBR
	Capacity of STP (CMD):	1 No. having 700.0 m3/d capacity
	Location & area of the STP:	Near Utility Block
	Budgetary allocation (Capital cost):	180 Lakhs
	Budgetary allocation (O & M cost):	30.0 Lakhs/yr

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	90.0 Kg/d
	Disposal of the construction waste debris:	Will be used for levelling & back filling low laying areas
Waste generation in the operation Phase:	**Dry waste:**	1800.0 Kg/day
	Wet waste:	1200.0 Kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	200.0 Kg/d
	Others if any:	E - Waste = 16.7 Kg/day

Mode of Disposal of waste:	**Dry waste:**	Will be handed over to authorized recycling vendor
	Wet waste:	Will be composted on site by OWC
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be composted on site & used as manure for gardening
	Others if any:	E - Waste will be handed over to authorized recycler/reprocessor
Area requirement:	**Location(s):**	Near STP
	Area for the storage of waste & other material:	12.0 Sq. m.
	Area for machinery:	25.0 Sq. m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	25.0 Lakhs
	O & M cost:	2.2 Lakhs/yr

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	-	6.0-8.0	7.0	6.5-9.0
2	BOD	mg/l	250.0	<20.0	30.0
3	SS	mg/l	250.0	<100.0	100.0
4	Detergent	mg/l	2.0-3.0	<1.0	1.0
5	COD	mg/l	200.0-500.0	<30.0	250.0

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 (2000 KVA x 3 Nos., 1500 KVA x 1 No., 100 KVA x 1 No.)	HSD	3	30.0	0.4	110 degree celcius

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	0.0	550 lit/hr	550 lit/hr
41.Source of Fuel		Local Vendor		
42.Mode of Transportation of fuel to site		By Road		

43.Green Belt Development	**Total RG area :**	16000.0 Sq. m.
	No of trees to be cut :	0
	Number of trees to be planted :	1225
	List of proposed native trees :	Attached
	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	Azadiracta indica	Neem	150	Medicinal Plant
2	Lagestromia thorellia	Common Crape Myrtle	135	Flowering Tree
3	Peltophorum	Copperpod	135	Flowering Tree
4	Spathodia companulata	African tuliptree	135	Flowering Tree
5	Michelia champaka	Champa	135	Flowering Tree
6	Delonix regia	Flame tree	130	Flowering Tree
7	Alistonia scholaris	Blackboard tree	135	Shady Tree
8	Grevillea robusta	Silver oak	135	Deciduous Tree
9	Bahunia blackiana	Orchid Tree	135	Flowering Tree
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	450 KVA
	DG set as Power back-up during construction phase	125 KVA x 3 Nos.
	During Operation phase (Connected load):	9000 KVA
	During Operation phase (Demand load):	8399 KVA
	Transformer:	2000 KVA x 2 Nos.
	DG set as Power back-up during operation phase:	2000 KVA x 3 Nos., 1500 KVA x 1 No., 100 KVA x 1 No.
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

1. Received Green Building Certification-Gold Group
2. Minimize use of air conditioning & maximize use of natural lighting & ventilation
3. Use of LED fittings
4. Sunscreen films on windows to reduce heating inside the buildings

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Minimize use of air conditioning & maximize use of natural lighting & ventilation, Use of LED fittings, Sunscreen films on windows to reduce heating inside the buildings	2.3 %

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
DG Sets	NA	Acoustic Enclosure & Stack

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	45.0 Lakhs
	O & M cost:	3.5 Lakhs/yr

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Environmental Monitoring	Air, Water, Noise, Soil	6.0
2	Safety Measures	Safety Measures	45.0
3	Site Sanitation	Site Sanitation	5.0

4	Water for Dust Suppression and barricading top soil	Water for Dust Suppression and barricading top soil	10.0
5	Health Check-up	First Aid Facilities	2.5
6	Disinfection	Pest Control	3.0

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Environmental Monitoring	Ambient Air quality, Noise Level, Exhaust from DG Set, Drinking Water, Sewage from STP, Manure	0.0	5.0
2	STP	STP	180.0	30.0
3	Gardening	Greenbelt Development & Landscaping	35.0	2.2
4	Solid Waste Management	OWC	25.0	2.2
5	Non Conventional Energy	Energy Saving	45.0	3.5
6	Rain Water Harvesting	Rain Water Harvesting	40.0	3.5

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:**	2 Nos. of Basements
	Number and area of podia:	2 Nos. platform, area 9 Sq. Mtr. each
	Total Parking area:	84335.42
	Area per car:	12.5 Sq. m.
	Area per car:	12.5 Sq. m.
	Number of 2-Wheelers as approved by competent authority:	294
	Number of 4-Wheelers as approved by competent authority:	3266
	Public Transport:	100 Nos. for Pick up & Drop buses
	Width of all Internal roads (m):	6.0
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	Category 8(a)- Building & Construction Project
	Court cases pending if any	NA
	Other Relevant Informations	Total DG backup requirement as per earlier EC was 1500 KVA x 6 Nos. Now the above requirement has changed to 2000 KVA x 3 Nos., 1500 KVA x 1 No. & 100 KVA x 1 No. (For fire fighting equipment's) Rest all details are the same except the capacity of DG Sets.
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Representative of PP Mr. Sachin somanche was present during the meeting along with environmental consultant M/s. MITCON Consultancy & Engineering Services Ltd- Mr. Sandeep Jadhav

It is noted that, the PP has submitted the application for prior Environmental clearance for total plot area of 199934.05 m2, FSI area of 120949.99 m2, Non FSI area of 96078.26 m2 and total BUA of 212345.42 m2.

PP stated that, they have received earlier EC vide letter dated 4/6/2009, which was revalidated vide letter dated 4/12/14. PP further stated that, they have received ToR in 73rd meeting held on 15/10/2018.

PP stated that, there is no change in FSI, NON-FSI & Total Built up area, there is only change in DG set capacity. Earlier 9000 KVA DG set capacity was approved & now they requested for 13600 KVA.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(b)B1.

DECISION OF SEAC

PP & Environment Consultant could not explain the project properly. Committee strongly shows the displeasure to the presentation prepared & presented by Environment consultant- Mitcon before the committee. In view of above, the proposal is deferred.

Specific Conditions by SEAC:

1) PP to submit revised letter regarding FSI, NoN- FSI & total built up area as per earlier EC & current status of the same.
2) PP to submit the revised biomedical waste management plan.
3) PP to submit the revised solid waste management plan.
4) PP to submit the storm water drain plan along with other details like invert level etc

FINAL RECOMMENDATION

SEAC-III decided to defer the proposal.Kindly find SEAC decision above.

SEAC Meeting number: 122 **Meeting Date** August 24, 2021

Subject: Environment Clearance for Proposed Construction Project by M/s Pyramid Developers

Is a Violation Case: Yes

1.Name of Project	The Nook
2.Type of institution	Private
3.Name of Project Proponent	Mr. Khemchand Bhojwani
4.Name of Consultant	Sneha Hi-Tech Products
5.Type of project	Residential & Commercial Project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	S.No. 60/1-2, Behind D.Y. Patil College
9.Taluka	Mulshi
10.Village	Tathawade
Correspondence Name:	Mr. Khemchand Bhojwani
Room Number:	Bhojwani Construction, S. No. 30/1/3,
Floor:	-
Building Name:	-
Road/Street Name:	Rajiv Gandhi International School, Tathawade
Locality:	Tathawade
City:	Pune-411033
11.Whether in Corporation / Municipal / other area	Pimpri Chinchwad Municipal Corporation (PCMC)
12.IOD/IOA/Concession/Plan Approval Number	In Process
	IOD/IOA/Concession/Plan Approval Number: B.P./TATHWADE/11/2012
	Approved Built-up Area: 36126.64
13.Note on the initiated work (If applicable)	30336.90 m2 (FSI Area:17765.41 m2 +NON FSI Area:12571.49 m2)
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	29144.64 m2
16.Deductions	8524.35 m2
17.Net Plot area	20620.29 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 52178.30 m2
	b) Non FSI area (sq. m.): 41335.47 m2
	c) Total BUA area (sq. m.): 93513.77
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 18372.42
	Approved Non FSI area (sq. m.): 17754.22
	Date of Approval: 09-11-2012
19.Total ground coverage (m2)	4946.46 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	16.97 % of Total plot area (29144.64 m2), 23.98 % of Net plot area (20620.29 m2)
21.Estimated cost of the project	1500000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A - Building	P+12	37.70
2	B - Building	P+12	37.70
3	C - Building	P+12	37.70
4	D - Building	P+12	37.70
5	E - Building	GP+PP+12	40.60
6	F - Building	GP+PP+12	40.60
7	G - Building	GP+PP+12	40.60
8	H - Building	GP+PP+12	40.60
9	J - Building	GP+PP+12	40.60
10	K - Building	GP+PP+12	40.60
11	Commercial Building	2B+G+Mezz.+10	36.00

23.Number of tenants and shops	Total Tenements – 640 Nos., Shops- 02 Nos, Offices- 10 Nos.
24.Number of expected residents / users	Residential Users: 3200 Nos. , Commercial Users: 1162 Nos. , Total Users: 4362 Nos.
25.Tenant density per hectare	219.59 /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)	24 m wide DP Road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	NA
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	Pimpri-Chinchwad Municipal Corporation
	Fresh water (CMD):	523.29 m3/day (One time)
	Recycled water - Flushing (CMD):	173.05 m3/day
	Recycled water - Gardening (CMD):	32.00 m3/day
	Swimming pool make up (Cum):	2.00 m3/day
	Total Water Requirement (CMD) :	318.24 m3/day
	Fire fighting - Underground water tank(CMD):	300 m3
	Fire fighting - Overhead water tank(CMD):	220 m3
	Excess treated water	235.31 m3/day
Wet season:	**Source of water**	Pimpri-Chinchwad Municipal Corporation
	Fresh water (CMD):	491.29 m3/day (One time)
	Recycled water - Flushing (CMD):	173.05 m3/day
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	2.00 m3/day
	Total Water Requirement (CMD) :	318.24 m3/day
	Fire fighting - Underground water tank(CMD):	300 m3
	Fire fighting - Overhead water tank(CMD):	220 m3
	Excess treated water	267.31 m3/day
Details of Swimming pool (If any)	Dimension of Swimming Pool: 8.33 m X 13.50 m Total water Requirement in Liters: 160500 Liter Make up water requirement in KLD: 2.00 m3/day Details of Plant & Machinery used for treatment of Swimming pool water: Details of quality to be achieved for swimming pool water and parameters to be monitored: Budgetary allocation (Capital cost and O & M cost): • Capital Cost: Rs. 26.00 Lakh • O & M Cost: Rs. 1.80 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:**	Post Monsoon: 08 m - 10 m BGL
	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 :	3.00 m x 2.00 m x 3.00 m
	Budgetary allocation (Capital cost) :	Rs. 31.50 Lakh
	Budgetary allocation (O & M cost) :	Rs. 0.84 Lakh /Year
	Details of UGT tanks if any :	Domestic UG tank Capacity : 509.36 m3 Flushing UG tank Capacity : 307.58 m3 Fire UG tank Capacity : 300 m3
35.Storm water drainage	**Natural water drainage pattern:**	-
	Quantity of storm water:	274.53 m3/day
	Size of SWD:	900 mm
Sewage and Waste water	**Sewage generation in KLD:**	440.36 m3/day
	STP technology:	MBBR
	Capacity of STP (CMD):	STP 1: 225 m3/day (Existing), STP 2: 220 m3/day (Proposed)
	Location & area of the STP:	220 m2 (STP 1: 110 m2 + STP 2: 110 m2)
	Budgetary allocation (Capital cost):	STP 1: Rs. 65.75 Lakh, STP 2: Rs. 78.11 Lakh
	Budgetary allocation (O & M cost):	STP 1: Rs. 7.42 Lakh/year , STP 2: Rs. 7.81 Lakh/year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	35.00 kg/day
	Disposal of the construction waste debris:	Use for Leveling.
Waste generation in the operation Phase:	**Dry waste:**	814 kg/day
	Wet waste:	1076 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	20 kg/day
	Others if any:	-

Mode of Disposal of waste:	**Dry waste:**	Handed Over to 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:	-
Area requirement:	**Location(s):**	-
	Area for the storage of waste & other material:	103.50 m2 (OWC 1: 67.5 m2 + OWC 2: 36 m2)
	Area for machinery:	Included in other material area
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	OWC 1: Rs.20.75 Lakh, OWC 2: Rs.12.75 Lakh
	O & M cost:	OWC 1: Rs. 4.28 Lakh /Year , OWC 2: Rs. 2.84 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 - 140 KVA (Existing)	HSD- 35.5 lit/hr	S - 1	6.25 m	-	-
2	DG Set - 125 KVA (Proposed)	HSD- 22.7 lit/hr	S - 2	6.00 m	To be provided	To be provided

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	35.5 lit/hr	22.7 lit/hr	58.2 lit/hr
41.Source of Fuel		Bharat Petroleum Corporation Limited or Hindustan Petroleum		

42.Mode of Transportation of fuel to site	By Roadway

43.Green Belt Development	**Total RG area :**	2826.98 m2
	No of trees to be cut :	NA
	Number of trees to be planted :	222 Nos.
	List of proposed native trees :	-
	Timeline for completion of plantation :	Mid of Proposed Construction

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Bauhinia racemosa	Apta	33	Flowering, butterfly attracting
2	Lagerstroemia flos-regineae	Tamhan	58	Flowering
3	Putranjiva roxburghii	Putranjiva	02	Evergreen tree
4	Michelia champaca	Sonchafa	49	Flowering, bird/butterfly attracting
5	Cassia fistula	Bahava	30	Flowering, Ornamental
6	Azadiracta indica	Neem	24	Large tree, medicinal value
7	Psidium guajava	Guava	02	Fruit bearing
8	Manikara zapota	Chikoo	08	Shade, fruit bearing
9	Eugenia jambolana	Jamun, Jambhul	12	Shade, fruit bearing, medicinal value
10	Embelica officinalis	Aawala	04	medicinal value, fruit bearing
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. (Maharashtra State Of Electricity Distribution Company Ltd.)
	During Construction Phase: (Demand Load)	30 KW
	DG set as Power back-up during construction phase	01 No. - 40 KVA
	During Operation phase (Connected load):	4198 KW
	During Operation phase (Demand load):	2059 KW
	Transformer:	04 Nos. - 630 KVA
	DG set as Power back-up during operation phase:	01No. - 140 KVA & 01No. - 125 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	No

48.Energy saving by non-conventional method:

? Solar Water Heating Systems Will Be Done for Bathrooms.
• Solar lights will be provided for common amenities like Street lighting & Garden lighting.
• 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 Lights

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total Energy Saving in %	17.35 %

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air	We have provided part green belt.	We will provide additional green belt for proposed development
Water	STP of capacity 225 KLD is installed & excess treated water used for flushing & gardening.	STP of capacity 220 KLD will be installed & excess treated water used for flushing & gardening.
Noise	Acoustically enclosed DG set is installed	Noise monitoring will be done in once a fortnight. Traffic management plan to be prepared.
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. 105.20 Lakh
	O & M cost:	Rs. 2.10 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 1	-	65.75 Lakh	7.42 Lakh/year
2	STP 2	-	78.11 Lakh	7.81 Lakh/year
3	RWH	-	31.50 Lakh	0.84 Lakh/year
4	MSW 1	OWC 1	20.75 Lakh	4.28 Lakh/year
5	MSW 2	OWC 2	12.75 Lakh	2.84 Lakh/year
6	Energy System	-	105.20 Lakh	2.10 Lakh/year
7	Landscaping	-	35.00 Lakh	2.10 Lakh/year
8	Swimming Pool	-	26.00 Lakh	1.80 Lakh/year
9	Safety Equipments	-	10.00 Lakh	2.00 Lakh/year
10	Post EC Monitoring	-	-	2.50 Lakh/year
11	Dry Waste Management	-	-	3.84 Lakh/year

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

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

52.Any Other Information

No Information Available

53.Traffic Management

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

Parking details:	**Number and area of basement:**	1425 m2
	Number and area of podia:	7278.25 m2
	Total Parking area:	21164.93 m2
	Area per car:	Basement Parking: 35 m2, Covered Parking: 30 m2
	Area per car:	Basement Parking: 35 m2, Covered Parking: 30 m2
	Number of 2-Wheelers as approved by competent authority:	1653 Nos.
	Number of 4-Wheelers as approved by competent authority:	445 Nos.
	Public Transport:	NA
	Width of all Internal roads (m):	7.50 m & 12 m
	CRZ/ RRZ clearance obtain, if any:	No
	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	Yes
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-

Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

Representative of PP Mr. Khemchand Bhojwani was present during the meeting along with Environmental Consultant M/s JV Analytical Services

PP informed that, the project under consideration is residential & commercial project with public parking project. PP further stated that, the total plot area of the project is 29144.64 Sq.mt having total construction area 93513.77 Sq.mt (FSI 52178.30 Sq.mt + NON FSI-41335.47 Sq.mt)

It is noted that proposal under consideration is of Violation of EIA Notification 2006, as amended, defined in MOEF & CC notification dated 14th March 2017 & 8th March 2018.

PP stated that, the project earlier considered in 97th SEAC-3 meeting held on 06-11-2019 and noted that proposal under consideration is of Violation of EIA Notification 2006, as amended and defined in MoEF & CC notification dated 14th March 2017 & 8th March 2018. ToR & additional ToR accorded for remediation plan and natural & community resource augmentation plan. PP further stated that, the project was again considered in 109th meeting held on 10-06-2020 & deferred with observation top submit clarification on actual construction done on site.

Committee noted that,16846.99 Sq.mt construction was carried out when they received the stop work notice. And while application submitted under violation they stated that, they have already constructed 30336.90Sq.mt construction. PP & Environmental Consultant agrees that, they have continued the construction work even after they received stop work notice & the also while matter was sub judicial in 2015.

Considering the above, Committee is of the opinion that, the PP wilfully continue the violation. This is very serious environmental issue.

It is noted that, para (4) in Notification dated 14.03.2017 regarding violation stipulates that the cases of violation will be appraised by SEACs with a view to assess that the project has been constructed at a site which under prevailing laws is permissible and expansion has been done which can be run sustainably under compliance of environmental norms with adequate environmental safeguards; and in case, where the finding of the Expert Appraisal Committee is negative, closure of the project will be recommended along with other actions under the law. In the project under consideration, violation identified in year 2014 as construction initiated by the PP without prior EC and continue with the construction and also gives the possession.

Considering this, after deliberation Committee decided to refer the proposal for further necessary legal action in the said matter.

DECISION OF SEAC

Considering this, after deliberation Committee decided to refer the proposal for further necessary legal action in the said matter.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

Kindly find SEAC decision above.

122nd Day-2 SEAC-3 Agenda

SEAC Meeting number: 122 **Meeting Date** August 24, 2021

Subject: Environment Clearance for Residential Project "Marvel Aquanas" at S. N. 69, Hissa No. 4 (P) + 5 (P) Kharadi, Taluka Haveli, Village Kharadi

Is a Violation Case: Yes

1.Name of Project	"Marvel Aquanas"
2.Type of institution	Private
3.Name of Project Proponent	Marvel Promoters and Developers Pvt. Ltd.
4.Name of Consultant	MITCON Consultancy and Engineering Services Ltd. Pune
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	No
8.Location of the project	S. N. 69, Hissa No. 4 (P) + 5 (P) Kharadi
9.Taluka	Haveli
10.Village	Kharadi
Correspondence Name:	Marvel Promoters and Developers Pvt. Ltd.
Room Number:	301, 302
Floor:	Third Floor
Building Name:	Jewel Tower
Road/Street Name:	Survey No. 25/H, Lane No.5, Koregaon Park
Locality:	Koregaon Park
City:	Pune 411001
11.Whether in Corporation / Municipal / other area	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	CC/3274/15
	IOD/IOA/Concession/Plan Approval Number: CC/3274/15 (31-12-2015)
	Approved Built-up Area: 15502.73
13.Note on the initiated work (If applicable)	We have constructed two buildings as per sanction received from PMC (Sanction No. CC/3274/15) which is below 20,000 Sq.m. Now we have purchased additional TDR due to which construction area crosses threshold limit
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	18038.0 Sqm
16.Deductions	9913.78 Sqm
17.Net Plot area	8124.22 Sqm
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 15502.73 Sqm
	b) Non FSI area (sq. m.): 18251.87 Sqm
	c) Total BUA area (sq. m.): 33754.6
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 15502.73 Sqm
	Approved Non FSI area (sq. m.): 18251.87 Sqm
	Date of Approval: 31-12-2015
19.Total ground coverage (m2)	1144.14 Sqm
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	10.1
21.Estimated cost of the project	540000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building A	B1+B2+P+22	70 m
2	Building B	B1+B2+P+22	70 m

23.Number of tenants and shops	77
24.Number of expected residents / users	Residential: 462 Nos.
25.Tenant density per hectare	42.77
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Nearest Fire Station at Kharadi & Width of the road from the nearest fire station to the proposed building -16m. wide 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	9 m
29.Existing structure (s) if any	Yes, We have constructed two building as per sanction received from PMC which is below 20,000Sq.m. Now we have purchase additional TDR due to which construction area cross threshold limit. Part completion received 31 March 2011 and premises handover to the society
30.Details of the demolition with disposal (If applicable)	Not Applicable

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	Pune Municipal Corporation
	Fresh water (CMD):	41.5
	Recycled water - Flushing (CMD):	20.7
	Recycled water - Gardening (CMD):	6.5
	Swimming pool make up (Cum):	77.8
	Total Water Requirement (CMD) :	146.5
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	25
	Excess treated water	26.8
Wet season:	**Source of water**	Pune Municipal Corporation
	Fresh water (CMD):	41.5
	Recycled water - Flushing (CMD):	20.7
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	67.4
	Total Water Requirement (CMD) :	129.6
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	25
	Excess treated water	33
Details of Swimming pool (If any)	Dimension of Swimming Pool: • Main Pool: 30m X 6.2 m X 1.2m • Pool at 18th floor: 14.35m X 6.6m X 1.2m • Kids pool at 18th floor: 3.6m X 2.65m X 0.9m • Top terrace pool no 01: 4.3m X 6.6m X 1.2m • Top terrace pool no 02: 3.75m X 12.75m X 1.2m • Top terrace pool no 03: 3.55m X 12.57m X 1.2m • Top terrace pool no 04: 3.6m X 6.6m X 1.2m • Water requirement for make up in KLD: 77.81	

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	41.5	41.5	0	4.15	4.15	0	37.35	37.35
Domestic	0	20.7	20.7	0	2.07	2.07	0	18.63	18.63
Gardening	0	14.4	14.4	0	14.4	14.4	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	5 to 7 BGL
	Size and no of RWH tank(s) and Quantity:	Not applicable
	Location of the RWH tank(s):	Not Applicable
	Quantity of recharge pits:	3 Nos.
	Size of recharge pits :	2mX1mX2m
	Budgetary allocation (Capital cost) :	900000
	Budgetary allocation (O & M cost) :	108000
	Details of UGT tanks if any :	Not applicable

35.Storm water drainage	**Natural water drainage pattern:**	North to South
	Quantity of storm water:	407 m3/day
	Size of SWD:	450 mm dia

Sewage and Waste water	**Sewage generation in KLD:**	55.98
	STP technology:	MBBR
	Capacity of STP (CMD):	1 No. STP having 60 CMD Capacity
	Location & area of the STP:	South West, 91.28 m2
	Budgetary allocation (Capital cost):	2250000
	Budgetary allocation (O & M cost):	646050

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	25 Kg/day
	Disposal of the construction waste debris:	Within the site
Waste generation in the operation Phase:	**Dry waste:**	73.92 Kg/day
	Wet waste:	111 Kg/day
	Hazardous waste:	Nil
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	8Kg/day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Handed over to authorized recyclers
	Wet waste:	Will be treated in Composting machine
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as Manure for greenbelt
	Others if any:	NA
Area requirement:	**Location(s):**	As per layout
	Area for the storage of waste & other material:	59.13 Sq. m.
	Area for machinery:	As per Layout
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	681109
	O & M cost:	597366

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	Not applicable	6.0 to 8.5	6.5 to 8.0	6.5-9.0
2	Suspended Solids	mg/lit	100-200	<10	20.0
3	BOD	mg/lit	200-250	<10	10.0
4	COD	mg/lit	350-450	<50	50.0
5	TDS	mg/lit	300-400	<150	500.0

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 62.5 KVA (Construction Phase), 225 x 2 KVA (Operation Phase)	HSD 51.7 Llt/hr	3	2.5	1.25	543 degree kelvin

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	0	51.7 lit/hr	51.7 lit/hr
41.Source of Fuel		Local Market		
42.Mode of Transportation of fuel to site		By road		

43.Green Belt Development	**Total RG area :**	850.0 Sq.m.
	No of trees to be cut :	00
	Number of trees to be planted :	102
	List of proposed native trees :	Bahuinia Purpuria, Azadirichta Indica, Butea Monosperma, Syzgium Cumini, Pongamia Pinnata
	Timeline for completion of plantation :	will be done 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	Albizzia lebbeck	Shirish	15	Its uses include environmental management, forage, medicine and wood
2	Bahuinia Purpuria	Raktakanchan	15	Bauhinia trees typically reach a height of 6–12 m and their branches spread 3–6 m outwards, flowering in late winter
3	Azadirichta Indica	Neem	15	Neem products are believed by Siddha and Ayurveda practitioners to be anthelminthic, antifungal, ant diabetic, antibacterial, antiviral, contraceptive and sedative.
4	Butea Monosperma	Palas	20	It is used for timber, resin, fodder, medicine, and dye. The wood is dirty white and soft and, being durable under water, is used for well-curbs and water scoops.
5	Syzgium Cumini	Jambhul	17	seeds are used in herbal teas for diabetes used by diabetes patients as it was thought to cure the same
6	Pongamia Pinnata	Karanj	20	Karanja is an important Ayurvedic medicine, used predominantly in skin diseases. Karanja twigs were used as tooth brush in ancient times.
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	50 KW
	DG set as Power back-up during construction phase	1 Nos. x 62.5 kVA
	During Operation phase (Connected load):	1646 KW
	During Operation phase (Demand load):	739 KW
	Transformer:	1 X 630 kVA
	DG set as Power back-up during operation phase:	2 X 225 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	No

48.Energy saving by non-conventional method:

Solar PV Panels of 16 KW & Solar Water Heating system is proposed.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar Energy (PV Panels)	0.96 %
2	Auto. Timer Logic Controller	2.14 %
3	Electronic VVF drive for Lifts	6.34 %
4	Solar Water heater	5.93 %

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
DG Set	0	Acoustic Hood to DG sets
Generation of Sewage	0	STP
Generation of Soild Waste	0	OWC

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	16978000
	O & M cost:	465960

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 Suppression and barricading top soil Preservation	Water	1.0
2	Site Sanitation	Site Sanitation	2.5
3	Environmental Monitoring	PM10, PM2.5, SOx	1.5
4	Safety Measures	PPEs	0.5

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	STP	30.0	7.0
2	Green Belt Development	Tree plantation	5.0	1.0
3	Rain Water Harvesting (RWH)	Bore wells	5.0	0.5
4	OWC	Organic Waste Composter	7.0	2.0
5	Energy saving by non-conventional method	Solar PV Panels & Water Heating	10.0	2.0

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Traffic generated from this project will confluent on existing 24m wide road and proposed 18m wide DP Road

Parking details:	**Number and area of basement:**	2 nos, total 5030.7 sqm area
	Number and area of podia:	NA
	Total Parking area:	Basement – 5030.7 sqm, stilt – 2580.60 Sqm
	Area per car:	12.5
	Area per car:	12.5
	Number of 2-Wheelers as approved by competent authority:	242
	Number of 4-Wheelers as approved by competent authority:	190
	Public Transport:	PMPML
	Width of all Internal roads (m):	10 m
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	8 (a)
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-

Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

PP was absent, hence deferred the project.

DECISION OF SEAC

PP was absent, hence deferred the project.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

SEAC-III decided to defer the proposal.Kindly find SEAC decision above.

SEAC Meeting number: 122 **Meeting Date** August 24, 2021

Subject: Environment Clearance for Building Construction Project

Is a Violation Case: Yes

1.Name of Project	Punya Parva
2.Type of institution	Private
3.Name of Project Proponent	Mr. Vikesh A. Oswal
4.Name of Consultant	Mr. Rajesh Shrivsastav PECS- Pollution & Ecology Control Services
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	Not applicable
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	R.S.No. 804/1B&805/1,C.S. no. 729,E - Ward,Kasaba Bawada,Kolhapur
9.Taluka	Karveer
10.Village	NA
Correspondence Name:	Mr. Vikesh A. Oswal
Room Number:	2814/C
Floor:	NA
Building Name:	B- Ward
Road/Street Name:	Mangalwar Peth
Locality:	Belbagh
City:	Kolhapur
11.Whether in Corporation / Municipal / other area	Corporation
12.IOD/IOA/Concession/Plan Approval Number	Kolhapur municipal Corporation
	IOD/IOA/Concession/Plan Approval Number: E-99/2012-13 dated 20/08/2013
	Approved Built-up Area: 26037.64
13.Note on the initiated work (If applicable)	Work is initiated for Buildings HR1, HR2, HR3, HR4 & HR5. The work is completed as per sanction dated 20/08/13 and part completion is issued on 24/4/2017 vide No. 113 & 42/2015-16. The total BUA completed is 26037.64 sqm. No notice u/s 5 of EIA notification 2006 is issued . No credible action taken. Filed as per notification dtd 14/03/2017
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	11125
16.Deductions	0
17.Net Plot area	11125.0
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 18393.55
	b) Non FSI area (sq. m.): 15288.11
	c) Total BUA area (sq. m.): 33681.66
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 12381.25
	Approved Non FSI area (sq. m.): 12620.47
	Date of Approval: 20-08-2013
19.Total ground coverage (m2)	2722.61
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	24.48 %
21.Estimated cost of the project	488300000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	HR 1	B+G+5	20.95
2	HR 2	B+G+10	34.2
3	HR 3	B+G+10	34.2
4	HR 4	B+G+10	34.2
5	HR 5	B+G+10	34.2
6	HR 6	St+10	33
7	Club House	-	-

23.Number of tenants and shops	No. of Tenements- 193 No. of shops- 4 No. of offices -14
24.Number of expected residents / users	Residential users- 965 Nos Commercial Users- 265 Nos
25.Tenant density per hectare	174 Tenements / 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 wide approach 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	Yes, as per previous sanction
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**	KMC
	Fresh water (CMD):	96.1
	Recycled water - Flushing (CMD):	50.6
	Recycled water - Gardening (CMD):	6.75
	Swimming pool make up (Cum):	3.95
	Total Water Requirement (CMD) :	152.91
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	-
	Excess treated water	93.3
Wet season:	**Source of water**	KMC
	Fresh water (CMD):	96.1
	Recycled water - Flushing (CMD):	50.6
	Recycled water - Gardening (CMD):	0.0
	Swimming pool make up (Cum):	3,95
	Total Water Requirement (CMD) :	146.16
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	-
	Excess treated water	100.05
Details of Swimming pool (If any)	1 swimming pool proposed of size 10.95m x 4.8m x 1.5m	

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 M BGL
	Size and no of RWH tank(s) and Quantity:	Collected in raw water tank
	Location of the RWH tank(s):	Shown on plan
	Quantity of recharge pits:	2. nos
	Size of recharge pits :	2m x 2m x 3m
	Budgetary allocation (Capital cost) :	Rs. 1.30 Lacs
	Budgetary allocation (O & M cost) :	Rs. 0.06 Lacs / annum
	Details of UGT tanks if any :	Underground tank of capacity- 450 Cum
35.Storm water drainage	**Natural water drainage pattern:**	South to North
	Quantity of storm water:	5562.5 Cum/Annum
	Size of SWD:	450 mm to 600 mm
Sewage and Waste water	**Sewage generation in KLD:**	150.11
	STP technology:	MBBR
	Capacity of STP (CMD):	STP Capacity- 155 KLD
	Location & area of the STP:	Shown on plan
	Budgetary allocation (Capital cost):	Rs. 21.0 Lacs
	Budgetary allocation (O & M cost):	Rs. 2.31 Lacs/ Annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	1 Kg/day
	Disposal of the construction waste debris:	To be disposed off through authorized agency & recyclers
Waste generation in the operation Phase:	**Dry waste:**	219.5 Kg/day
	Wet waste:	316.61 Kg/day
	Hazardous waste:	Nil
	Biomedical waste (If applicable):	Nil
	STP Sludge (Dry sludge):	13.86 Kg/day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Handed over to authorized agency
	Wet waste:	In- situ Composting
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	In-situ composting
	Others if any:	NA
Area requirement:	**Location(s):**	shown on plan
	Area for the storage of waste & other material:	25 sqm
	Area for machinery:	Considered in above area
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 6.68 Lacs
	O & M cost:	Rs. 2 Lacs/ Annum

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

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

43.Green Belt Development	**Total RG area :**	1125 Sqm
	No of trees to be cut :	Nil
	Number of trees to be planted :	Plantation required as per DCR- 140 Nos. Existing trees- 200 Nos Proposed Plantation- 0 Nos.
	List of proposed native trees :	Proposed plantation- 0 Nos
	Timeline for completion of plantation :	Plantation completed as on date.

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	NA	NA	NA	NA
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	60 KW
	DG set as Power back-up during construction phase	30 KVA
	During Operation phase (Connected load):	1656 KW
	During Operation phase (Demand load):	821 KW
	Transformer:	630 KVA- 1 N0. & 315 KVA - 1 No
	DG set as Power back-up during operation phase:	160 KVA - 1 No
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

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

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar PV pannels	0.70 %
2	Timer Logic controller	1.02 %
3	Electronic V3Fdrive for lift	0.69 %
4	Solar water heater	5.55 %

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. 43.5 Lac
	O & M cost:	Rs. 2.44 Lac / 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 for construction & Labour	Water requirement	1.44
2	Site Sanitation & Safety	Health & Safety	1.60
3	Environmental Monitoring	Pollution Control	1.80
4	Disinfection	Health & Safety	0.5
5	Health Check up	Health & Safety	0.5

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Rain Water Harvesting	RWH pits	1.30	0.06
2	Sewage Treatment Plant	Waste water treatment	21.0	2.31
3	Organic Waste Composting	solid waste management	6.68	2.0
4	Tree Plantation	Lansdcape development	0.0	4.15
5	Energy saving	Energy Conservation measures	43.5	2.44
6	Environment Monitoring	Pollution monitoring & control	0.0	1.80

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:	2 Nos.
Parking details:	**Number and area of basement:**	Basement Area- 2350 Sqm
	Number and area of podia:	NA
	Total Parking area:	3062.65 Sqm
	Area per car:	13.4 Sqm
	Area per car:	13.4 Sqm
	Number of 2-Wheelers as approved by competent authority:	271 Nos
	Number of 4-Wheelers as approved by competent authority:	161 Nos
	Public Transport:	NA
	Width of all Internal roads (m):	9 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.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

PP was absent, hence deferred the project.

DECISION OF SEAC

PP was absent, hence deferred the project.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

SEAC-III decided to defer the proposal.Kindly find SEAC decision above.

122nd Day-2 SEAC-3 Agenda

SEAC Meeting number: 122 **Meeting Date** August 24, 2021

Subject: Environment Clearance for Proposed amendment in environmental clearance of Residential Housing Scheme at Mamurdi , Pune Plot No 2 bearing S. No. 10/1A/3, 10/1B, 11/1A, 11/2A(P), 11/3, 11/4(P), 11/4/2, 11/1B, 12/1, 12/2/1, 12/2/2, 12/2/3, 13/2, 13/1B(P) at Taluka-Haveli, Village-Mamurdi, Pune, Maharashtra.

Is a Violation Case: No

1.Name of Project	Proposed amendment in environmental clearance of Residential Housing Scheme at Mamurdi , Pune Plot No 2 bearing S. No. 10/1A/3, 10/1B, 11/1A, 11/2A(P), 11/3, 11/4(P), 11/4/2, 11/1B, 12/1, 12/2/1, 12/2/2, 12/2/3, 13/2, 13/1B(P) at Taluka-Haveli, Village-Mamurdi, Pune, Maharashtra.X
2.Type of institution	Private
3.Name of Project Proponent	Godrej Skyline Developers Pvt Ltd.
4.Name of Consultant	Building Environment (India) Pvt Ltd
5.Type of project	Residential Development with convenient shopping
6.New project/expansion in existing project/modernization/diversification in existing project	Amendment in Existing Environmental Clearance
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Environmental Clearance has been obtained in 8th Jan,2018.
8.Location of the project	S. No. 10/1A/3, 10/1B, 11/1A, 11/2A(P), 11/3, 11/4(P), 11/4/2, 11/1B, 12/1, 12/2/1, 12/2/2, 12/2/3, 13/2, 13/1B(P)
9.Taluka	Haveli
10.Village	Mamurdi
Correspondence Name:	Godrej Skyline Developers Pvt Ltd. Godrej Eternia, 10th Floor, C wing, Wakdewadi, Shivaji Nagar, Pune: - 411005.
Room Number:	--
Floor:	10th Floor, C wing
Building Name:	Godrej Eternia,
Road/Street Name:	Wakdewadi,
Locality:	Shivaji Nagar
City:	Pune
11.Whether in Corporation / Municipal / other area	Pimpri Chinchwad Municipal Corporation (PCMC)
12.IOD/IOA/Concession/Plan Approval Number	Applied. B.P./EC/Layout / Mamurdi /02/2018 Dt.- 03-11-2018
	IOD/IOA/Concession/Plan Approval Number: Applied. B.P./EC/Layout / Mamurdi /02/2018 Dt.- 03-11-2018
	Approved Built-up Area: 387779.43
13.Note on the initiated work (If applicable)	Construction Not Yet started
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	B.P./EC/Layout / Mamurdi /02/2018 Dt.- 03-11-2018
15.Total Plot Area (sq. m.)	144812.97 m2
16.Deductions	16,389.05 m2
17.Net Plot area	1,28,423.92 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 2,47,549.38 m2
	b) Non FSI area (sq. m.): 2,36,463.03 m2
	c) Total BUA area (sq. m.): 484012.41
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 2,47,549.38 m2
	Approved Non FSI area (sq. m.): 2,36,463.03 m2
	Date of Approval: 18-04-2018
19.Total ground coverage (m2)	39,879.00 m2.

20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	(31.00%)
21.Estimated cost of the project	11122000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Phase-1: Tower-1 to Tower-5 5 Towers	P1+P2+P3+19	69.95 mt.
2	Club House 1	G+1	4.65 mt.
3	Phase-2: Tower-6 to Tower-11 5 Towers	P1+P2+P3+19	69.95 mt
4	Club House 2	G+1	8.00 mt.
5	Phase-3: Tower-12 to Tower-17 5 Towers	P1+P2+P3+19	69.95 mt
6	Club House 3	G+1	8.00 mt.
7	EWS Bldg. 1 Bldg.	P1+21	69.95 mt.
8	Master Club House	P1+P2+P3+4	35.00 mt.

23.Number of tenants and shops	No of Tenants: 3176 No of Shops: 150
24.Number of expected residents / users	Residents: 15880 Commercial: 450
25.Tenant density per hectare	250
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	18 m.
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	No
30.Details of the demolition with disposal (If applicable)	Not applicable

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	PCMC / Tanker / STP Treated Sewage
	Fresh water (CMD):	Phase-1:351.00 Phase-2:449.00 Phase-3:450.00 EWS:234.00 Club House:46.00 Total:1530.00
	Recycled water - Flushing (CMD):	Phase-1:172.00 Phase-2:220.00 Phase-3:221.00 EWS:118.00 Club House:28.00 Total:759.00
	Recycled water - Gardening (CMD):	Phase-1:23.00 Phase-2:60.00 Phase-3:64.00 EWS: Club House:4.00 Total:151.00
	Swimming pool make up (Cum):	Phase-1:11.50 Phase-2: 11.50 Phase-3: 11.50 EWS:-- Club House: 11.50 Total:46.00
	Total Water Requirement (CMD) :	Phase-1:557.50 Phase-2: 740.50 Phase-3: 746.50 EWS: 352.00 Club House: 89.50 Total:2486.00
	Fire fighting - Underground water tank(CMD):	400Cu.m capacity U.G fire tank required for Phase-1. 600Cu.m capacity U.G fire tank required for Phase-2. 600Cu.m capacity U.G fire tank required for Phase-3. 200Cu.m capacity U.G fire tank required for EWS. 100Cu.m capacity U.G fire tank required for Club
	Fire fighting - Overhead water tank(CMD):	5 Nos. of 10Cu.m capacity O.H fire tank required for Phase-1. 6 Nos. of 10Cu.m capacity O.H fire tank required for Phase-2. 6 Nos. of 10Cu.m capacity O.H fire tank required for Phase-3. 2 Nos. of 10Cu.m capacity O.H fire tank required for EWS. 1 Nos. of 5Cu.m capacity O.H fire tank required for Club
	Excess treated water	Phase-1:243.00 Phase-2: 282.00 Phase-3: 279.00 EWS:183.00 Club House: 23.00 Total:1010.00
Wet season:	**Source of water**	PCMC / Tanker / STP Treated Sewage
	Fresh water (CMD):	Phase-1:351.00 Phase-2:449.00 Phase-3:450.00 EWS:234.00 Club House:46.00 Total:1530.00
	Recycled water - Flushing (CMD):	Phase-1:172.00 Phase-2:220.00 Phase-3:221.00 EWS:118.00 Club House:28.00 Total:759.00
	Recycled water - Gardening (CMD):	--
	Swimming pool make up (Cum):	Phase-1:11.50 Phase-2: 11.50 Phase-3: 11.50 EWS:-- Club House: 11.50 Total:46.00
	Total Water Requirement (CMD) :	Phase-1:534.00 Phase-2: 680.50 Phase-3: 682.50 EWS:352.00 Club House: 85.50 Total:2335.00
	Fire fighting - Underground water tank(CMD):	400Cu.m capacity U.G fire tank required for Phase-1. 600Cu.m capacity U.G fire tank required for Phase-2. 600Cu.m capacity U.G fire tank required for Phase-3. 200Cu.m capacity U.G fire tank required for EWS. 100Cu.m capacity U.G fire tank required for Club
	Fire fighting - Overhead water tank(CMD):	5 Nos. of 10Cu.m capacity O.H fire tank required for Phase-1. 6 Nos. of 10Cu.m capacity O.H fire tank required for Phase-2. 6 Nos. of 10Cu.m capacity O.H fire tank required for Phase-3. 2 Nos. of 10Cu.m capacity O.H fire tank required for EWS. 1 Nos. of 5Cu.m capacity O.H fire tank required for Club
	Excess treated water	Phase-1:266.00 Phase-2: 342.00 Phase-3: 343.00 EWS:183.00 Club House: 27.00 Total:1161.00
Details of Swimming pool (If any)	Pool No. 1: 25.00 m x 10.00 m Pool No. 2: 25.00 m x 10.00 m Pool No. 3: 25.00 m x 10.00 m Pool No. 4: 25.00 m x 10.00 m	

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:**	7.00 mt
	Size and no of RWH tank(s) and Quantity:	--
	Location of the RWH tank(s):	--
	Quantity of recharge pits:	Phase-1:12.00; Phase-2: 46.00, Phase-3: 14.00; EWS:39.00; Club House: 7.00
	Size of recharge pits :	2m Dia. and 2.5m effective depth.
	Budgetary allocation (Capital cost) :	60.00 L
	Budgetary allocation (O & M cost) :	6L
	Details of UGT tanks if any :	--
35.Storm water drainage	**Natural water drainage pattern:**	South-west
	Quantity of storm water:	Outfall-1 = 151.3 L/s Outfall-2 = 590 L/s Outfall-3 = 176.7 L/s Outfall-4 = 506.1 L/s Outfall-5 = 85.4 L/s
	Size of SWD:	SWD of Outfall-1 = 0.6m(W) x 0.6m(D) SWD of Outfall-2 = 0.9m(W) x 0.8m(D) SWD of Outfall-3 = 0.5m(W) x 0.7m(D) SWD of Outfall-4 = 0.7m(W) x 0.9m(D) SWD of Outfall-5 = 0.4m(W) x 0.6m(D)
Sewage and Waste water	**Sewage generation in KLD:**	Phase-1:461.00; Phase-2: 592.00, Phase-3: 594.00; EWS:317.00; Club House: 57.00 Total:2021.00
	STP technology:	MBBR
	Capacity of STP (CMD):	Phase-1:465.00; Phase-2: 595.00, Phase-3: 595.00; EWS:320.00; Club House: 60.00
	Location & area of the STP:	underground
	Budgetary allocation (Capital cost):	170.00 L
	Budgetary allocation (O & M cost):	70.00 L

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	1.55T/D
	Disposal of the construction waste debris:	From waste generation from proposed development 30% will be recycled on site & remaining will be handed over to Authorised Recycles as per C&D waste Management Rule,2016
Waste generation in the operation Phase:	**Dry waste:**	Phase 1 – 1142.00Kg/day Phase 2 – 1467.00Kg/day Phase 3 – 1471.00Kg/day EWS – 784.00Kg/day Club House – 167.00 Kg/day Total:5031.00 Kg/day
	Wet waste:	Phase 1 –794.00Kg/day Phase 2 – 1017.00Kg/day Phase 3 – 1020.00Kg/day EWS – 548.00Kg/day Club House – 124.00 Kg/day Total:3503.00 Kg/day
	Hazardous waste:	will be handed over as per Hazardous Waste Management & Handling Rule,2016
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry:	

Mode of Disposal of waste:	**Dry waste:**	Will be handed over to SWaCH
	Wet waste:	Will be treated in OWC
	Hazardous waste:	will be handed over as per Hazardous Waste Management & Handling Rule,2016
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Will be used as soil conditioner
	Others if any:	--
Area requirement:	**Location(s):**	Layout showing location is attached
	Area for the storage of waste & other material:	Phase 1 –54.00 m2 Phase 2 – 51.00 m2 Phase 3 – 51.00 m2 EWS – 54.00 m2 Club House -40.00 sq.m
	Area for machinery:	--
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	120.00 L
	O & M cost:	12.00 L

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

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

43.Green Belt Development	**Total RG area :**	20845.00 m2
	No of trees to be cut :	Trees may be transplanted:452Nos. Trees may be retained:156 Nos.
	Number of trees to be planted :	New:1247 Nos. Total: 1855 Nos..
	List of proposed native trees :	Attached
	Timeline for completion of plantation :	Till the completion of the project.

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Grevillea robusta	Silver Oak	75	Fast growing evergreen tree
2	Polyalthia longifolia	Ashoka	20	Evergreen, slender, medicinal property
3	Dalbergia sissoo	Sheesham	50	Flowering and shade giving
4	Tamarindus indica	Imli	40	Large evergreen shade giving tree
5	Terminalia arjuna	Arjun	50	Flowering and shade giving
6	Delonix regia	Gulmohar	22	Flowering tree, ornamental
7	Lagerstroemia indica	Pride of India	35	Flowering, ornamental
8	Albizia saman	Rain Tree	30	Deciduous, flowering, ornamental
9	Callistemon lanceolatus	Bottle brush	20	The leaves are a tea substitute and have a delightfully refreshing flavour.
10	Salix babylonica	Weeping willow / Peking willow	15	Drooping character, suited to wet habitats
11	Salix tetrasperma	Indian willow	25	Drooping character, suited to wet habitats
12	Acacia auriculiformis	Australian Blackwood	40	Evergreen ornamental tree with dense foliage
13	Ailanthus excelsa	Maharukh	30	Tall Deciduous tree
14	Albizia lebbeck	Siris	35	Shade and timber tree
15	Azadirachta indica	Neem	21	Shade giving, medicinal property
16	Ficus infectoria	Pilkhan	30	Seasonal variation in the canopy, shade
17	Syzygium cumini	Jamun	17	Fruit tree, shade giving
18	Peltophorum ferrugineum	Copper pod	28	Flowering ornamental tree
19	Pongamia glabra	Indian beech	15	Flowering ornamental tree
20	Tamarix articulate	Salt cedar	9	Feather like foliage, suited to wet habitats, bird foraging and nesting
21	Ficus bengalensis	Banyan	17	Evergreen, shade giving
22	Cassia fistula	Amaltas	18	Flowering tree, ornamental
23	Bombax ceiba	Silk cotton tree	25	Deciduous flowering tree
24	Cassia nodosa	Pink javanica	22	Flowering, ornamental
25	Jacaranda mimosaefolia	Neeli gulmohar	25	Deciduous, flowering, ornamental

26	Chorisia speciosa	Pink silk floss	20	Flowering, ornamental
27	Mimusops elengi	Maulsari	15	Evergreen, shade giving
28	Kigelia pinnata	Sausage tree	17	Evergreen, shade giving, flowering
29	Erythrina indica	Indian Coral tree	25	Flowering, ornamental
30	Bauhinia blakeana/variegata	Kachnar	30	Flowering, ornamental, interesting leaf form
31	Plumeria alba	Champa	35	Medium sized flowering tree
32	Schleichera oleosa	Kusum	15	Flowering, medicinal property
33	Alstonia scholaris	Saptaparini	45	Shade giving, flowering, fragrant flowers
34	Terminalia mantaly	Madagascar almond	26	Horizontal branching pattern
35	Tabebuia rosea	Pink trumpet tree	40	Flowering, ornamental
36	Crataeva religiosa	Barna	40	Tall, shade giving, flowering tree
37	Madhuca longifolia	Mahua	30	Flowering, ornamental
38	Phoenix sylvestris	Sugar date palm	20	Tall, ornamental
39	Roystonea regia	Royal palm	20	Tall, ornamental
40	Washingtonia filifera	California palm	20	Tall, ornamental
41	Phoenix canariensis	Canary Island palm	20	Tall, ornamental
42	Phoenix dactylifera	Date Palm	30	Tall, ornamental
43	Ficus benjamina	Weeping fig	40	Evergreen, dense foliage, screening
44	New Trees to be planted	--	1247	--
45	Trees to be retained & Transplanted	--	608	--
46	Total	--	1855	--
45.Total quantity of plants on ground				

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

Serial Number	Name	C/C Distance	Area m2
1	Thevetia Peruviana	1.8	112
2	Thespesia populnea	2	178
3	Vitex negundo	0.5	67
4	Caesalpinia pulcherrima	0.45	70
5	Calliandra haematocephala	1.8	170
6	Euphorbia pulcherrima	1.8	180
7	Mussaenda	2	165
8	Justicia	0.5	89
9	Ixora chinensis, singaporensis	0.6	312
10	Franciscea latifolia	1.5	112
11	Hamelia patens	0.75	218
12	Clerodendrum inerme	0.6	190
13	Alocasia macrorrhiza	0.6	118
14	Alpinia zerumbet variegate	0.45	90
15	Codiaeum variegatum	0.75	218

16	Dracaena reflexa	0.75	78
17	Duranta plumerei	0.45	235
18	Duranta plumerei	0.45	235
19	Galphimia nitida	0.6	190
20	Jatropha panduraefolia	1.8	210
21	Russellia juncea	0.75	100
22	Schefflera arboricola	0.6	127
23	Tecoma stans	1.8	318
24	Tabernaemontana variegated	1	90
25	Yucca aloifolia	0.75	68
26	Bouganvillea	1.5	150

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	300KW
	DG set as Power back-up during construction phase	2x200KVA
	During Operation phase (Connected load):	23630.13 kVA
	During Operation phase (Demand load):	8337.49 kVA
	Transformer:	17Nos.630kVA 22kV/433V Transformer and 1No. of 200kVA 22kV/433V Transformer
	DG set as Power back-up during operation phase:	1No of 750kVA, 2No of 1010kVA each, 1No of 250 kVA, and 1No of 200kVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	--

48.Energy saving by non-conventional method:

Solar WAter Heater & Lighting will be provided olar Photovoltaic (90kWp) onsite power generation-143664kWh savings,Solar Hot Water-3,40,000kWh savings-13.80%

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Saving through Renewable energy	9.19
2	Total energy	13.80

50.Details of pollution control Systems

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

Soil & Land	Not applicable	OWC

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	1000.00
	O & M cost:	--

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Dust pollution	Water spray for dust suppression	5.0
2	EHS	Site sanitation and Potable Water Supply to Labour	10.0
3	Environment monitoring	Environmental Monitoring (As per the CPCB guidelines through MoEF Approved laboratories)	4.0
4	EHS	Health check-up & first aid	5.0
5	Safety	Safety Personal Protective Equipment (Helmets, Safety Shoes, Safety Belt, Googles, Hand Gloves etc.)	12.0
6	Traffic Management	Traffic Management (Sign Boards, Persons at entry exit and Parking area)	4.0
7	Safety	Safety nets	25.0
8	Storm water Management	Storm water Management (SWD along plot boundary and Sedimentation Pits)	4.0
9	Safety	Passenger lift	3.77
10	Vehicle maintenance	Tyre cleaning and Vehicle maintenance	4.0
11	Safety Training	Safety Training to Workers (Twice in Year), Safety Officer	8.0
12	Safety	Disinfection	3.0
13	Waste Management	Debris & construction waste	45.72

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	170.00	70.00
2	RWH	Recharge Pits	60.00	6.00
3	Landscape	--	70.00	15.00

4	SWM	OWC	120.00	12.00
5	Energy Saving	--	1000.00	--
6	DMP	--	3743.00	347.00

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:	2
Parking details:	**Number and area of basement:**	Not applicable
	Number and area of podia:	3 Podiums
	Total Parking area:	--
	Area per car:	--
	Area per car:	--
	Number of 2-Wheelers as approved by competent authority:	Required: 4(W): 1674 Nos. Scooter: 5885 Nos. Cycle: 5739 Nos.
	Number of 4-Wheelers as approved by competent authority:	4(W): 3231 Nos. Scooter: 5885 Nos. Cycle: 5739 Nos.
	Public Transport:	--
	Width of all Internal roads (m):	9.00 mt
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	--
	Category as per schedule of EIA Notification sheet	Townships and Area Development projects 8(b); Category: B

	Court cases pending if any	No
	Other Relevant Informations	--
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	08-06-2018

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-
Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

PP was absent, hence deferred the project.

DECISION OF SEAC

PP was absent, hence deferred the project.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

SEAC-III decided to defer the proposal.Kindly find SEAC decision above.