208th Meeting of SEIAA

SEIAA Meeting number: 208 **Meeting Date** September 14, 2020

Subject: Environment Clearance for Expansion of Proposed Residential & Commercial project " Sukhwani Panaroma" S. no. 85, Near Nissan Service center, Pashan Sus road, Pune by M/s. Sukhwani Life spaces.

Is a Violation Case: No

1.Name of Project	Expansion of Proposed Residential & Commercial project " Sukhwani Panaroma" S. no. 85, Near Nissan Service center, Pashan Sus road, Pune by M/s. Sukhwani Life spaces.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Vicky Sukhwani
4.Name of Consultant	Ms. Sayali Jagtap (Approved EIA Coordinator)- J M Environet Pvt Ltd
5.Type of project	Residential & Commercial project.
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes. Environment clearance letter vide no. SEAC-2013/CR-369/TC-2 dated 21st September, 2016.
8.Location of the project	S. no. 85, Near Nissan Service center, Pashan Sus road, Pune
9.Taluka	Haveli
10.Village	Sus
Correspondence Name:	Mr. Ajit Paranjape
Room Number:	-
Floor:	-
Building Name:	-
Road/Street Name:	-
Locality:	S. no. 85, Near Nissan Service center, Pashan Sus road, Pune
City:	Pune
11.Whether in Corporation / Municipal / other area	PMRDA
12.IOD/IOA/Concession/Plan Approval Number	Received
	IOD/IOA/Concession/Plan Approval Number: Received
	Approved Built-up Area: 46381.74
13.Note on the initiated work (If applicable)	Building C, D, club house , amenity building are completed as per earlier EC received
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	16600 sq. m
16.Deductions	3415.03 sq. m
17.Net Plot area	13184.97 sq. m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 20907.26 sq. m
	b) Non FSI area (sq. m.): 25474.48 sq. m
	c) Total BUA area (sq. m.): 46381.74
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 20907.26 sq. m
	Approved Non FSI area (sq. m.): 25474.48 sq. m
	Date of Approval: 01-01-1900
19.Total ground coverage (m2)	4179.59 sq. m
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	31.69 %
21.Estimated cost of the project	5257382

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building A	3 Parking + 12 floors	44.65 m
2	Building B	Parking + 14 floors	44.65 m
3	Building C	Parking + 12 floors	39.15 m
4	Building D	Parking + 12 floors	39.15 m
5	Amenity Building (Comm.)	LP+UG+5 floors	22.55 m
6	Club house	G + 1	8.07 m

23.Number of tenants and shops	Residential : 282 no's Amenity building (comm.)
24.Number of expected residents / users	Residential : 1410 Amenity building (comm.) : 406
25.Tenant density per hectare	176.25/Ha
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	The project has access from existing road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.00 m
29.Existing structure (s) if any	Building C, D, club house , amenity building are completed as per earlier EC received
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**	Sus Grampanchayat
	Fresh water (CMD):	135.02
	Recycled water - Flushing (CMD):	73.60
	Recycled water - Gardening (CMD):	11.24
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	219.86
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	20 (each building)
	Excess treated water	84.14
Wet season:	**Source of water**	Sus Grampanchayat
	Fresh water (CMD):	135.02
	Recycled water - Flushing (CMD):	73.60
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	208.62
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	20 (each building)
	Excess treated water	95.38
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Summer Season – 17.50 m. to 22.50 m. BGL. (20.00 M. Average) Rainy Season – 6.00 m. to 10.00 BGL. (8.00 M. Average) Winter Season – 11.75 m. to 16.25 m. BGL. (14.00 M. Average)
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	Total 09 no's. (Existing 7 Nos. + Proposed 2 No.)
	Size of recharge pits :	Existing : 1.5 x 1.5 x 1.5 m Proposed : 2.0 m. X 2.0 m. X 1.75 m. Depth with 50 to 60 m. Deep 6" Dia. Bore Well via 2 No. of de-siltation pits of 0.9 m. Dia. 1.0 m. Deep
	Budgetary allocation (Capital cost) :	Rs. 11,25,000 /-
	Budgetary allocation (O & M cost) :	Rs. 1,00,000 /-
	Details of UGT tanks if any :	Domestic UG tank Capacity (cum) : 210 KLD Flushing tank Capacity(cum) : 84.54 KLD Fire UG tank Capacity (cum) : 200 KLD
35.Storm water drainage	**Natural water drainage pattern:**	As per contour
	Quantity of storm water:	17,689.93 m3 / Year i.e. 208.12 m3 / Day
	Size of SWD:	450 mm
Sewage and Waste water	**Sewage generation in KLD:**	187.76 KLD
	STP technology:	MBBR technology
	Capacity of STP (CMD):	STP 1 : 175 KLD (Residential) STP 2 : 17 KLD (Commercial
	Location & area of the STP:	Area – STP 1 : 100 sq. m STP 2 : 17.06 sq. m
	Budgetary allocation (Capital cost):	Rs. 22,40,000 /-
	Budgetary allocation (O & M cost):	Rs. 14,59,900 /-
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	30 kg/day
	Disposal of the construction waste debris:	Will be used within site
Waste generation in the operation Phase:	**Dry waste:**	342 kg/day
	Wet waste:	464 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	16.89 Kg/day
	Others if any:	E-waste : 3.04 kg/day

Mode of Disposal of waste:	**Dry waste:**	To SWACH
	Wet waste:	Treatment of OWC
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be used as manure
	Others if any:	E-waste : To SWACH
Area requirement:	**Location(s):**	On ground
	Area for the storage of waste & other material:	56.5 sq. m
	Area for machinery:	Considered in above
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 13,50,000
	O & M cost:	Rs. 3,00,840 /-

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 :**	RG area (10 %) : 1318.50 sq. m
	No of trees to be cut :	0
	Number of trees to be planted :	210 trees
	List of proposed native trees :	Provided below
	Timeline for completion of plantation :	Up to 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	Michalia champaka	Sonchafa	15	FRAGRANT, EVERGREEN, FLOWERING, SCENTED FLOWERS
2	Mimusops elengi	Bakul	23	FRAGRANR,EVERGREEN, SHADE GIVING
3	Cassia fistula	Bahawa	22	LEGUMINOUS & NITROGEN FIXING, DROUGHT RESISTANT.
4	Azardirachta indica	Neem	20	MEDICINAL IMPORTANCE, ODOUR RESISTANT, HABITAT FOR BIRDS
5	Plumeria alba	Franjipani	24	ORNAMENTAL & SCENTED FLOWERS
6	Anthocephallus cadamba	Kadamba	20	SHADY, LARGE DECIDUOUS TREE, FAST-GROWING GRACEFUL TREE, BALL SHAPED FLOWERS.
7	Saraca asoca	Sita Ashoka	10	SHADY TREE WITH RED-YELLOW FLOWERS
8	Mangifera indica	Mango	14	SHADY TREE, FRUIT BEARING COMMERCIAL VALUE
9	Bauhinia purpurea	Butterfly tree	27	SMALL TREE WITH SMALL WHITE FLOWERS, BUTTERFLY HOST PLANT
10	Lagerstromia Speciosa	Taman	6	CREATES SHADE, ATTRACTS BIRDS/BUTTERFLIES/BEES, GOOD FOR SCREENING
11	Artocarpus heterophyllus	Jackfruit	8	FRUIT BEARING, EVERGREEN, COMMERCIAL VALUE
12	Millingtonia hortensis	Indian cork tree	7	FRAGRANT, EVERGREEN, FLOWERING
13	Putranjiva Roxburghii	Puntranjiva	6	MEDICINAL TREE -MODERATE SIZED EVERGREEN -PENDANT BRANCHES
14	Pongamia Pinnata	karanj	8	FRAGRANT FLOWERS OR LEAVES -ATTRACTS BIRDS/BUTTERFLIES/BEES - DROUGHT TOLERANT
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	6.6 KW
	DG set as Power back-up during construction phase	40 KVA
	During Operation phase (Connected load):	2152 KW
	During Operation phase (Demand load):	983 KW
	Transformer:	2 x 630 KVA
	DG set as Power back-up during operation phase:	125 KVA & 62.5 KVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	No

48.Energy saving by non-conventional method:

1. LED lighting for common areas
2. Using VFD
3. Solar hot water system
4. Solar PV panels

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	LED fixtures + VFD + Solar hot water+ Solar PV17.	16.47 %

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. 37,22,000 /-
	O & M cost:	Rs. 1,86,000 /-

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air	Erosion control – dust suppression measures and barricading	Rs. 1,06,000 /-

2	land	Site Sanitation	Rs. 26,500 /-
3	Health & safety	Site Safety	Rs.88,000 /-
4	Environment management	Environmental Monitoring	Rs. 1,20,000/-
5	Health & safety	Disinfection and Health Check-ups	Rs. 45,000 /-

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	2 STP	Rs. 22,40,000	Rs. 14,59,900 /-
2	Rain Water Harvesting	09 pits	Rs. 11,25,000 /-	Rs. 1,00,000 /-
3	Solid Waste Management	1 OWC	Rs. 13,50,000 /-	Rs. 3,00,840 /-
4	Green Belt Development	210 trees	Rs. 20,01,948/-	Rs. 1,61,105/-
5	Energy details	LED fixtures +solar	Rs. 37,22,000 /-	Rs. 1,86,000 /-
6	Environmental Monitoring	EMP costing	MoEFCC approved laboratory	Rs. 8,90,000 /-

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	The project has access from existing road

Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	1 podium
	Total Parking area:	5617.8 sq. m
	Area per car:	30 sq. m – for stilt/podium, 35 sq. m –for basement, 25 sq. m – for open parking.
	Area per car:	30 sq. m – for stilt/podium, 35 sq. m –for basement, 25 sq. m – for open parking.
	Number of 2-Wheelers as approved by competent authority:	Scooters : 467 , Cycles : 467
	Number of 4-Wheelers as approved by competent authority:	150
	Public Transport:	Pune city buses
	Width of all Internal roads (m):	6.00 m & 9.00 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	None within 10 km
	Category as per schedule of EIA Notification sheet	B2
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

PP had submitted application for prior Environmental clearance stating following details:

Total Plot Area (sq. m.)	16600 sq. m
Deductions	3415.03 sq. m
Net Plot area	13184.97 sq. m
Proposed Built-up Area (FSI & Non-FSI) (m^2)	46381.74 sq. m
FSI area (m^2)	20907.26 sq. m
Non FSI area (m^2)	25474.48 sq. m
Total built up area approved by planning authority	46381.74 sq. m
Total ground coverage (m^2)	4179.59 sq. m
Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	31.69 %
Estimated cost of the project (in Rs.)	Rs. 52,57,382 /-

Number of buildings & its configuration:

S. No.	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building A	3 Parking + 12 floors	44.65 m
2	Building B	Parking + 14 floors	44.65 m
3	Building C	Parking + 12 floors	39.15 m
4	Building D	Parking + 12 floors	39.15 m
5	Amenity Building (Comm.)	LP+UG+5 floors	22.55 m
6	Club house	G + 1	8.07 m

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

DECISION OF SEAC

During discussion following points emerged:

1. UGT shall be located at a suitable distance away from STP.

2. PP to submit phase wise program considering entry from existing road and not from proposed road.

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

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Specific Conditions by SEAC:

1) PP to use the excess treated water from the phase one for the proposed construction.
2) PP to ensure that CER plan gets approved from Municipal Commissioner.
3) PP Shall comply with Standard EC conditions mentioned in the Office Memorandum issued by MoEF& CC vide F.No.22-34/2018-IA.III dt.04.01.2019.
4) SEIAA decided to grant EC for – FSI:20907.26 m2, Non-FSI:25474.48m2 and Total BUA:46381.74 m2 (Plan Approval-BMU/CR no 3459/Mouza Sus/S.no 85(P), Date-16.03.2020)

SEIAA DECISION

Proposal was recommended in 103rd meeting of SEAC-3 for total Plot Area 16600 sq. m, Proposed Built-up Area (FSI & Non-FSI) 46381.74 sq. m, FSI area - 20907.26 sq. m, Non FSI area- 25474.48 sq. m and Total built up area of 46381.74 sq. m.

During the meeting PP was asked to submit the OWC analysis reports. PP submitted the same via email.

SEIAA decided to grant EC for – FSI:20907.26 m2, Non-FSI:25474.48m2 and Total BUA:46381.74 m2 (Plan Approval-BMU/CR no 3459/Mouza Sus/S.no 85(P), Date-16.03.2020)**SEIAA decided to grant EC subject to following conditions-**

1. PP to use the excess treated water from the phase one for the proposed construction.

2. PP to ensure that CER plan gets approved from Municipal Commissioner.

3. PP Shall comply with Standard EC conditions mentioned in the Office Memorandum issued by MoEF& CC vide F.No.22-34/2018-IA.III dt.04.01.2019.

Specific Conditions by SEIAA:

1) PP to use the excess treated water from the phase one for the proposed construction.
2) PP to ensure that CER plan gets approved from Municipal Commissioner.
3) PP Shall comply with Standard EC conditions mentioned in the Office Memorandum issued by MoEF& CC vide F.No.22-34/2018-IA.III dt.04.01.2019.
4) SEIAA decided to grant EC for – FSI:20907.26 m2, Non-FSI:25474.48m2 and Total BUA:46381.74 m2 (Plan Approval-BMU/CR no 3459/Mouza Sus/S.no 85(P), Date-16.03.2020)

FINAL RECOMMENDATION

SEIAA have decided to grant the proposal for Prior Environmental Clearance subject to above conditions

208th Meeting of SEIAA

SEIAA Meeting number: 208 **Meeting Date** September 14, 2020

Subject: Environment Clearance for Environment Clearance for proposed construction project by M/s Sukhwani Infrabuild

Is a Violation Case: Yes

1.Name of Project	"Sukhwani Scarlet"
2.Type of institution	Private
3.Name of Project Proponent	Mr. Ravi G. Sukhwani
4.Name of Consultant	M/s Sneha Hi-Tech Products, Bangalore
5.Type of project	Residential & Commercial
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Gat No. 675, Keshnand Road ,
9.Taluka	Haveli
10.Village	Wagholi
Correspondence Name:	Mr. Ravi G. Sukhwani
Room Number:	32
Floor:	Ground Floor
Building Name:	Sukhwani Chambers
Road/Street Name:	Station Road
Locality:	Pimpri
City:	Pune
11.Whether in Corporation / Municipal / other area	PMRDA
12.IOD/IOA/Concession/Plan Approval Number	In process
	IOD/IOA/Concession/Plan Approval Number: BHA/CR.NO.372/16.17
	Approved Built-up Area: 25799.55
13.Note on the initiated work (If applicable)	28410.87 m2 (FSI- 12091.06 m2 + Non-FSI- 16319.81 m2)
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	27700.00 m2
16.Deductions	9429.93 m2
17.Net Plot area	18270.07 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 27600.49 m2
	b) Non FSI area (sq. m.): 29745.20 m2
	c) Total BUA area (sq. m.): 57345.69
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 14069.88 m2
	Approved Non FSI area (sq. m.): 11729.67m2
	Date of Approval: 08-07-2016
19.Total ground coverage (m2)	3158.01 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	11.40 % of Total plot Area (27700.00 m2), 17.28 % of Net Plot Area (18270.07 m2)
21.Estimated cost of the project	700000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building A1	P+11	34.80 m
2	Building A2	P+11	34.80 m
3	Building B1	P+11	34.80 m
4	Building B2	P+12	37.70m
5	Building D1	P+12	37.70m
6	Commercial Building	B+G+M+4	25.20 m

23.Number of tenants and shops	Total Tenements – 447 Nos. No. of Shops- 1Nos., Offices-4 Nos.
24.Number of expected residents / users	Residential Users: - 2235 Nos., Commercial User: - 421 Nos., Total Users:- 2656 Nos.
25.Tenant density per hectare	162/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)	12 m Existing R.P. Road & 36 m Proposed R. P. Road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.00 m
29.Existing structure (s) if any	Not Applicable
30.Details of the demolition with disposal (If applicable)	Not Applicable

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	Gram Panchayat
	Fresh water (CMD):	214.57m3/day
	Recycled water - Flushing (CMD):	111.11m3/day
	Recycled water - Gardening (CMD):	11.84 m3/day
	Swimming pool make up (Cum):	Not Applicable
	Total Water Requirement (CMD) :	337.51m3/day (One Time)
	Fire fighting - Underground water tank(CMD):	300 m3
	Fire fighting - Overhead water tank(CMD):	120 m3
	Excess treated water	170.16 m3/day
Wet season:	**Source of water**	Gram Panchayat
	Fresh water (CMD):	214.57m3/day
	Recycled water - Flushing (CMD):	111.11m3/day
	Recycled water - Gardening (CMD):	0.00 m3/day
	Swimming pool make up (Cum):	Not Applicable
	Total Water Requirement (CMD) :	325.67m3/day (One Time)
	Fire fighting - Underground water tank(CMD):	300 m3
	Fire fighting - Overhead water tank(CMD):	120 m3
	Excess treated water	182.00 m3/day
Details of Swimming pool (If any)	Not Applicable	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	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 – 8m BGL
	Size and no of RWH tank(s) and Quantity:	Not Applicable
	Location of the RWH tank(s):	Not Applicable
	Quantity of recharge pits:	9 Nos.
	Size of recharge pits :	0.6m X 0.6mX 0.6m
	Budgetary allocation (Capital cost) :	Rs. 4.00 Lakh
	Budgetary allocation (O & M cost) :	Rs. 1.5 Lakh /Year
	Details of UGT tanks if any :	Domestic UG tank Capacity : 345 m3 Flushing UG tank Capacity : 123 m3 Fire UG tank Capacity : 300 m3
35.Storm water drainage	**Natural water drainage pattern:**	Not Applicable
	Quantity of storm water:	699.33 m3/hr
	Size of SWD:	600 mm
Sewage and Waste water	**Sewage generation in KLD:**	293.10 m3/day
	STP technology:	MBBR
	Capacity of STP (CMD):	300 m3/day
	Location & area of the STP:	108.43 m2
	Budgetary allocation (Capital cost):	Rs 11.00 Lakh
	Budgetary allocation (O & M cost):	Rs 8.37 Lakh / Year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	25 Kg/day
	Disposal of the construction waste debris:	Use for Leveling
Waste generation in the operation Phase:	**Dry waste:**	510.15 kg/day
	Wet waste:	712.60 kg/day
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	26.37 kg/day
	Others if any:	Not Applicable

Mode of Disposal of waste:	**Dry waste:**	SWaCH
	Wet waste:	Organic Waste Convertor
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Used as manure after treatment in OWC
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	-
	Area for the storage of waste & other material:	144.00 m2
	Area for machinery:	Included in other area
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 15.25 Lakh
	O & M cost:	Rs. 5.33 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- 160 KVA- 1 No.	HSD	S-1	7.00	To be provided	To be provided

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	Not applicable	35.5 Lit/Hrs. For 100 % Load	35.5 Lit/Hrs. For 100 % Load
41.Source of Fuel		Bharat Petroleum Corporation Limited/ Hindustan Petroleum		
42.Mode of Transportation of fuel to site		By Roadway		

43.Green Belt Development	**Total RG area :**	2186.15 m2-on Ground, 1221.25 m2- On Podium
	No of trees to be cut :	-
	Number of trees to be planted :	197 Nos.
	List of proposed native trees :	197 Nos.
	Timeline for completion of plantation :	Before Completion

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Bauhinia Purpurea	Kanchan	11	Ornamental and Attracts Birds
2	Mimusops Elengi	Bakul	13	Fragrance, Evergreen, Shade Giving
3	Anthocephallus Kadamba	Kadamb	23	Shady, Large, Deciduous, Fast Growing
4	Artocarpus Heterophyllus	Jack Fruit	44	Fruit Being, evergreen, commercial value
5	Michelia Champaka	Son chafa	19	Medium size evergreen tree. fragrant flower
6	Lagerstromia flosregia	Jarul	32	Shady tree
7	Khaya grandis	Khaya	03	Tree barks widely used as a timber
8	Putranjiva roxburghii	Putranjiva	23	Evergreen tree
9	Caryota mitis	Fish Tail Palm	05	Tall Evergreen tree
10	Nyctanthes Arbortritis	Parijatak	02	Small deciduous fast growing tree , beautiful flower
11	Cassia Fistula	Bahava	09	Leguminous & nitrogen fixing, drought resistant
12	Azadirachta indica	Neem	05	Fragrant flowers or leaves, plant for pooja/Evergreen, Quick growing/insect repellent.
13	Syzygium cumini	Jambhul	08	Shade giving evergreen tropical tree, Dense Foliage grows upto 30 m high.
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	20 KW
	DG set as Power back-up during construction phase	40 KVA
	During Operation phase (Connected load):	1960.25 KW
	During Operation phase (Demand load):	1009.9 KW
	Transformer:	2 Nos x 630 KVA
	DG set as Power back-up during operation phase:	160 KVA-01 nos
	Fuel used:	35.5 Lit/Hrs. For 100 % Load
	Details of high tension line passing through the plot if any:	Not Applicable

48.Energy saving by non-conventional method:

Maximize the use of natural lighting & ventilation through design.
Lighting will be done in the common areas, landscape areas, signage's, Entry gates and boundary compound walls etc.
Acoustic enclosures to D.G. sets for prevention of noise. Solar Water Heating System will be providing for all buildings.
Auto Timer Switches Will Be Provided for Street Lights, Garden Lights, Parking & Staircase Lights & Other Common Area Lights.
Wiring & Controlling shall be done for full, ½ & 1/3rd use of lights in common area, for saving electrical energy.
Automatic water pumps to ensure optimum use of electricity & to avoid water tank overflows.
To create awareness amongst residence of society regarding operation of all electrical systems & for use of energy efficient light fittings i.e. use of LED Lights in their flats for the energy saving.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	TOTAL Annual Savings in KWH for Solar Power, Hot Water & LED Lighting Details	19.73%
2	TOTAL Annual Savings in KWH For Solar Power & Solar Hot Water Details	15.48 %

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. 61.00 Lakh
	O & M cost:	Rs. 1.22 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	Partly tree plantation is completed	Remaining trees will be planted for proposed Development.
2	Water	We have installed STP of capacity 300 KLD for Existing& proposed phase & excess treated water used for flushing & gardening	-
3	Noise	Acoustically enclosed DG set is installed.	Noise monitoring will be done in once a fortnight. Traffic management plan to be prepared.
4	Solid Waste	Wet waste of existing phase is treated in OWC & dry Waste is handed over to SWACH. STP sludge is used as manure after treatment in OWC.	For Proposed Development: 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.

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP	Sewage Treatment plant	11.00 Lakh	8.37 Lakh/year
2	RWH	Rainwater Harvesting	4.00Lakh	1.50 Lakh/year
3	MSW (OWC)	Organic Waste Convertor	15.25 Lakh	5.33 Lakh/year
4	Solar System	-	61.00 Lakh	1.22 Lakh/year
5	Landscaping	-	32.95 Lakh	5.27 Lakh/year
6	Safety Equipments	-	10.0 Lakh	2.0 lakh/year
7	Post EC Monitoring	-	-	2.5 Lakh/year
8	Dry waste management	-	-	2.68 Lakh/year
9	Alternate Water Supply	-	-	20.16 Lakh/year
10	Pumping Cost	-	12.00 Lakh	1.00 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:**	383.25 m2
	Number and area of podia:	8513.90 m2
	Total Parking area:	10273.80 m2
	Area per car:	40.93 m2
	Area per car:	40.93 m2
	Number of 2-Wheelers as approved by competent authority:	727
	Number of 4-Wheelers as approved by competent authority:	251
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	7.5 m
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	8(a)
	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

Summorised in brief information of Project as below.

Brief information of the project by SEAC

PP had submitted application for prior Environmental clearance for total plot area of 27700 m2, FSI area of 27600.49 m2, Non FSI area of 29745.20 m2 and total BUA 57345.69 m2.

The building configuration of the proposal is as below:

Sr	Building	Number of floors	Height (m)
1	Building A1	P+11	34.80 m
2	Building A2	P+11	34.80 m
3	Building B1	P+11	34.80 m
4	Building B2	P+12	37.70m
5	Building D1	P+12	37.70m
6	Commercial Building	B+G+M+4	25.20 m

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

DECISION OF SEAC

During discussion following points emerged:

1. PP to submit NOC from concerned Grampanchayat to lay storm water drain.

2. The committee noted that Cost of remediation plan and natural & community resource augmentation plan as per revised approach paper is estimated as Rs. 1.7 Cr. The Committee also noted that the amount of CER as per MoEF & CC circular dated 1/05/2018 is Rs. 0.3 Cr which is less than the remediation / augmentation plan. Therefore committee decided to obtain Bank Guarantee of Rs 1.7 Cr for the project completion period.

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

Specific Conditions by SEAC:

SEIAA DECISION

Deferred for additional information.

Specific Conditions by SEIAA:

FINAL RECOMMENDATION

SEIAA have decided to defer the proposal.Kindly find SEIAA decision above.

208th Meeting of SEIAA

SEIAA Meeting number: 208 **Meeting Date** September 14, 2020

Subject: Environment Clearance for Expansion with change in product mix of Bulk Drug & Specialty Chemical by Dikora Bulk Drug Private Limited

Is a Violation Case: No

1.Name of Project	Expansion with change in product mix of Bulk Drug & Specialty Chemical Industrial Project by Dikora Bulk Drug Private Limited.
2.Type of institution	Private
3.Name of Project Proponent	Komal Vikram Patil
4.Name of Consultant	Enviro Resources
5.Type of project	5(f) B 1
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion of Existing Project with Change in Product Mix
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Environmental Clearance (EC) was not required for manufacturing of inorganic chemicals.
8.Location of the project	Plot No. 29, Kinhi, MIDC, Tal. Bhusawal Dist. Jalgaon
9.Taluka	Bhusawal
10.Village	Kinhi
Correspondence Name:	Plot No. 29
Room Number:	Kinhi, MIDC
Floor:	Dist. Jalgaon
Building Name:	Tal. Bhusawal
Road/Street Name:	Tal. Bhusawal
Locality:	Kinhi,
City:	Jalgaon
11.Whether in Corporation / Municipal / other area	NA
12.IOD/IOA/Concession/Plan Approval Number	IOD/IOA/Concession/Plan Approval Number: DE/JLG/SPA/2018/D 36741
	IOD/IOA/Concession/Plan Approval Number: DE/JLG/SPA/2018/D 36741
	Approved Built-up Area: 2258.85
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	10000 sq. mt
16.Deductions	1000 sq. mt
17.Net Plot area	9000 sq. mt
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 2258.85 sq. mt
	b) Non FSI area (sq. m.):
	c) Total BUA area (sq. m.): 2258.85
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 2258.85
	Approved Non FSI area (sq. m.):
	Date of Approval: 31-10-2018
19.Total ground coverage (m2)	1894.95
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	18.9
21.Estimated cost of the project	34857000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Not applicable	Not applicable	Not applicable

23.Number of tenants and shops	Not applicable
24.Number of expected residents / users	Not applicable
25.Tenant density per hectare	Not applicable
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	12 mt
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Turning Radius of 9 Meters
29.Existing structure (s) if any	Manufacturing shed, Godown, Laboratory Building, R & D Shed, Solvent Godown, Watchman Cabin, HR & account shed, EHS shed etc.
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	Phosphorous Tribromide	833.3	0	833.3
2	Bromine Liquid	33333.3	0	33333.3
3	Sodium Chloride	833.3	0	833.3
4	Amlodipine Besylate	Nil	416.6	416.6
5	Atenolol	Nil	833.3	833.3
6	Bupropion HCl	Nil	250	250
7	Carvedilol	Nil	166.6	166.6
8	Escitalopram Oxalate	Nil	83.3	83.3
9	Eszopiclone	Nil	4.16	4.16
10	Etodolac	Nil	183.3	183.3
11	Lamotrigine	Nil	416.6	416.6
12	Olanzapin	Nil	83.3	83.3
13	Quetiapine	Nil	166.6	166.6
14	Sumatriptan	Nil	4.16	4.16
15	Telmisartan	Nil	83.3	83.3
16	Tramadol HCL	Nil	166.6	166.6
17	Venlafaxine	Nil	166.6	166.6

18	Zopiclone	Nil	4.16	4.16
19	Tetra Butyl Ammonium Tri Bromide	Nil	416.6	416.6
20	Para Bromo Phenol	Nil	833.3	833.3

32.Total Water Requirement

Dry season:	**Source of water**	MIDC Kinhi
	Fresh water (CMD):	0
	Recycled water - Flushing (CMD):	0
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	0
	Fire fighting - Underground water tank(CMD):	0
	Fire fighting - Overhead water tank(CMD):	0
	Excess treated water	0
Wet season:	**Source of water**	MIDC
	Fresh water (CMD):	0
	Recycled water - Flushing (CMD):	0
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	0
	Fire fighting - Underground water tank(CMD):	0
	Fire fighting - Overhead water tank(CMD):	0
	Excess treated water	0
Details of Swimming pool (If any)	Nil	

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	1.0	2.0	3.0	0.5	1.0	1.5	0.5	1.0	1.5

Industrial Process	10.0	5.5	15.5	1.8	1.3	3.1	8.2	4.2	12.4
Cooling tower & thermopack	1.0	0.5	1.5	1.0	0.5	1.5	0	0	0
Gardening	1.0	2.5	3.5	1.0	2.5	3.5	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Pre-monsoon: 3.2 m-67 m, Post-monsoon; 0.8 m -27.1 m
	Size and no of RWH tank(s) and Quantity:	3mX7m 1 nos
	Location of the RWH tank(s):	Underground tank in Garden
	Quantity of recharge pits:	--
	Size of recharge pits :	--
	Budgetary allocation (Capital cost) :	Rs 2.5 lacs
	Budgetary allocation (O & M cost) :	Rs 0.75 lacs
	Details of UGT tanks if any :	50 m3

35.Storm water drainage	**Natural water drainage pattern:**	By Storm Water Drainage
	Quantity of storm water:	0.27m3 per sec
	Size of SWD:	300mm x 300mm

Sewage and Waste water	**Sewage generation in KLD:**	1.5
	STP technology:	Septic tank followed by soak pit
	Capacity of STP (CMD):	--
	Location & area of the STP:	--
	Budgetary allocation (Capital cost):	--
	Budgetary allocation (O & M cost):	--

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	--
	Disposal of the construction waste debris:	--
Waste generation in the operation Phase:	**Dry waste:**	90
	Wet waste:	60
	Hazardous waste:	Chemical sludge from ETP: , Distillation residue, spent oil, discarded container etc.
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Authorised vendor
	Wet waste:	Authorised vendor
	Hazardous waste:	CHWTSDF
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Area requirement:	**Location(s):**	Effluent Treatment Plant
	Area for the storage of waste & other material:	23.10 sq.mt.
	Area for machinery:	24.0 sq.mt.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	51.0 Lakhs
	O & M cost:	2.55 Lakhs/A

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	NA	5-8	7.0	7-10
2	Suspended Solids	Mg/ltr	140-180	90	100
3	BOD	Mg/ltr	0-50	80	100
4	COD	Mg/ltr	200-400	210	250
5	Oil & grease	Mg/ltr	15	9	10

Amount of effluent generation (CMD):	15.0 CMD
Capacity of the ETP:	Existing 8.2 KLD & Proposed 4.2 KLD ; Total 12.4 KLD
Amount of treated effluent recycled :	12.4 CMD
Amount of water send to the CETP:	None of the water send to CETP as it will bereused for Gardening, Cooling tower & Industrial Processing
Membership of CETP (if require):	N.A.
Note on ETP technology to be used	Effluent shall be treated in the in house full -fledged effluent treatment plant followed by purification of treated water in advanced RO system. It will be reused for gardening and treated effluent will be recycled.
Disposal of the ETP sludge	Collected, stored safely and disposed to CHWTSDF.

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	ETP Sludge	34.20	MT/A	10	5	15	CHWTSDF
2	Distillation residue	20.3	MT/A	0.7	0.3	1.0	CHWTSDF
3	Off specification products	28.4	MT/A	--	50	50	Regular Recycler
4	Spent oil/waste/process/residues containing oil etc.	5.1/5.2	MT/A	0.5	1.0	1.5	Sale to authorised recycler, reprocessor/ CHWTSDF
5	MEE Salt	34.20	MT/A	--	50	50	CHWTSDF
6	Carbon/ Hyflow	28.3	MT/A	--	24.96	24.96	CHWTSDF

7	Discarded containers Barrels, used for HW chemicals	33.1	Nos. /A	100	200	300	TSale to authorized recycler

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	Boiler- 1 TPD	Coal,3.3 TPD	1	30	0.45	230 C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Coal	1.0 TPD	2.3 TPD	3.3 TPD
41.Source of Fuel		Traders		
42.Mode of Transportation of fuel to site		By road		

43.Green Belt Development	**Total RG area :**	3300 m2
	No of trees to be cut :	Nil
	Number of trees to be planted :	80
	List of proposed native trees :	Bahava, Sawar, Saptaparni,Chandwar,Kususm,Shirali
	Timeline for completion of plantation :	Within Nine Months

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Cassia fistula	Bahava	60	It is a small medium sized evergreen tree, which is tolerant to Air Pollution and is effective in reducing noise pollution
2	Bombax ceiba	Sawar	80	It is a evergreen shrub or a tree & is used as a stimulant, in decoction used as a purgative, febrifuge, and emmenagogue; also used in dropsical and venereal affections and said to be a powerful anti-herpatic.
3	Asltonia shcolaris	Saptaparni	70	Plants, like peepal, can uptake Carbon dioxide during the night as well because they perform a special type of photosynthesis , balances the Climatic Conditions , controls soil erosion and improves soil fertility.
4	Macaranga peltata	Chandwar	100	It is used in ayurvedic medicine and the traditional medicine of South East Asia,
5	Schleichera oleosa	Kususm	80	It is used in ayurvedic medicine and the traditional medicine, Bioindicator

6	Microcos paniculata	Shirali	70	It is used in ayurvedic medicine and the traditional medicine, Bioindicator
7	Terminalia elliptica	Ain	40	It is used in ayurvedic medicine and the traditional medicine, Bioindicator
8	Terminalia paniculata	Kindal	10	It is used in ayurvedic medicine and the traditional medicine, Bioindicator
9	Terminalia bellirica	Baheda	40	It is used in ayurvedic medicine and the traditional medicine, Bioindicator
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)	15 KW
	DG set as Power back-up during construction phase	125 KVA
	During Operation phase (Connected load):	225 kW
	During Operation phase (Demand load):	125 KVA
	Transformer:	--
	DG set as Power back-up during operation phase:	2 nos. x 125 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NO

48.Energy saving by non-conventional method:

CFL bulbs will be used for common lightening

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	It is proposed to install Solar Light poles within the Industrial area to saving energy by non-conventional method	10

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed

Air pollution source: Boiler, Stack emissions, DG set emissions, vehicular movement	Dust Collector, Stack of recommended height	Dust Collector, Stack of recommended height
Fume emission control	Ventury scrubber	Ventury scrubber
Water Pollution	ETP	ZLD system
Noise pollution due to presence of DG sets	Acoustic enclosure provided	Acoustic enclosure provided

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air Pollution Control	Dust collector	2.50	0.30
2	Water Pollution Control ETP	Membrane Diffusers, Blower	6.0	0.75
3	Water Pollution Control R O System for ZLD	ZLD scheme	45.0	1.8
4	Noise Pollution Control	Acoustic Enclouser	2.0	0
5	Solid waste management	CHWSTDF membership	4.2	2.5
6	Environment Monitoring	Environment Monitoring	0.0	0.8
7	Fugitive emission control	ventury scrubber	0.5	0.2
8	Green Belt development	tree plantation	5.1	1.29
9	Occupational Health	EHS	5.0	1.5
10	RWH	RWH tank	2.5	0.75

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
Methanol	U/Purchasing	Solvent Yard	20	10	6	Approved Vendor	By Road
Toluene	U/Purchasing	Solvent Yard	10	5	3	Approved Vendor	By Road
Conc. Sulfuric acid	U/Purchasing	Chemical Store Room	1	0.5	0.5	Approved Vendor	By Road
Chlorine Gas	U/Purchasing	Chlorine Tuner Storage	10	6	3	Approved Vendor	By Road
Bromine	U/Purchasing	Bromine store room	10	6	3	Self manufacturing	By Road

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	NA
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	294.0 m2
	Area per car:	NA
	Area per car:	NA
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	NA
	Public Transport:	Jalgaon Municipal Transport
	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	(5 F) B1

	Court cases pending if any	NA
	Other Relevant Informations	1. We are certified with ISO 9001 - 2015 by certification Body Tuv Nord. 2. We are going to implement ISO 14001 & 18001 in coming Year 2019- 2020. 3. Our R & D team working on to reduce pollution load
	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 granted ToR in 165th meeting of SEAC-1 held on 7th May 2019. PP submitted EIA/EMP report during 181st meeting held on 5th March 2020 wherein the proposal was deferred till submission of compliance of following points,

1. PP to submit layout plan showing internal roads with six meter width and nine meter turning radius, provision of cul-de-sac at dead ends of the internal roads if any, location of pollution control equipment's, parking area, 33% green belt with its dimensions, rain water harvesting structures (location with dimensions), storm water drain lines along with index and area statement showing calculations for each area and cross section of storm water drains and rain water harvesting pits.

2. PP to submit plan layout showing contour levels, storm water drain lines, internal road network and location of rain water harvesting facilities along with its calculations.

3. PP to submit an undertaking for providing Zero Liquid Discharge Effluent Treatment Plant and no liquid waste will be discharged out side the premises.

4. PP to carry out life cycle analysis of all the products with respect to the acidification potential, eutrophication potential, green house and ozone depletion potential etc. and proposed mitigation measures to reduce identified potentials along with proposed mitigation measures to reduce the pollution potential.

5. PP to submit technical note on how proposed expansion will be accommodated in the existing manufacturing plant along with equipment layout, spaces required for storage of raw materials and finished products etc.

6. PP to submit revised EMP indicating bifurcation of costs.

7. PP to submit floor wise drawing of the plant indicating locations of equipment with internal distances.

8. PP to appoint qualified safety officer as per Factories Act.

9. PP to submit revised HAZOP & QRA along with copy of onsite emergency plan.

10. PP to use new and renewable energy for illumination of office building, street lights, parking areas and maintain the same regularly. PP to provide lightening arrestor.

Now, PP submitted compliance of above points.

DECISION OF SEAC

After deliberations with the PP and their accredited consultant, SEAC-1 decided to recommend the proposal for prior Environmental Clearance to the SEIAA subject to the following conditions.

Specific Conditions by SEAC:

1) PP to submit revised plan approval.

SEIAA DECISION

PP has not obtained revised plan approval.

SEIAA after deliberation decided to defer the proposal.

PP to submit revised plan approval.

Specific Conditions by SEIAA:

1) PP to submit revised plan approval.

FINAL RECOMMENDATION

SEIAA have decided to defer the proposal.Kindly find SEIAA decision above.

208th Meeting of SEIAA

SEIAA Meeting number: 208 **Meeting Date** September 14, 2020

Subject: Environment Clearance for "Umiya Nakshatra Heights" on land bearing S.No./ H. No. 64/1/4,64/2 of village Katrap, Tal – Ambernath, Dist Thane by Jigar Enterprises.

Is a Violation Case: No

1.Name of Project	"Umiya Nakshatra Heights"
2.Type of institution	Private
3.Name of Project Proponent	Jigar Enterprises
4.Name of Consultant	Enviro Analysts & Engineers Pvt. Ltd.
5.Type of project	Residential project
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	S.No./ H. No. 64/1/4,64/2 of village Katrap, Tal – Ambernath, Dist Thane
9.Taluka	Ambernath
10.Village	Katrap
Correspondence Name:	Mr. Prajesh Tulsi Patel
Room Number:	G-1
Floor:	Ground Floor
Building Name:	Prince Apt.
Road/Street Name:	Karani Lane
Locality:	Opp. Corporation Bank, Ghatkopar (W) 400086
City:	Ghatkopar
11.Whether in Corporation / Municipal / other area	Kulgaon Badlapur Municipal Council (KBMC)
12.IOD/IOA/Concession/Plan Approval Number	yes
	IOD/IOA/Concession/Plan Approval Number: javak no./ KBMC/ nrv/bp/7351/2018-19
	Approved Built-up Area: 17179.79
13.Note on the initiated work (If applicable)	Existing Bldg. is of S +12 Floors of total construction area = 4855.71 sq.m.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Fire NOC is received dated 12-02-2019 (Ref. No. MFS/51/2019/157)
15.Total Plot Area (sq. m.)	10100.00 SQ.M.
16.Deductions	Deduction for DP Road & unbuildable plot = 1595.76 sq.m.
17.Net Plot area	8504.24sq.m.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 22072.64
	b) Non FSI area (sq. m.): 7417.99
	c) Total BUA area (sq. m.): 29490.63
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 12755.06
	Approved Non FSI area (sq. m.): 4424.73
	Date of Approval: 05-10-2018
19.Total ground coverage (m2)	1461.62
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	17.18
21.Estimated cost of the project	820500000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Existing Building	S+12 Floors	37.20
2	Proposed Bldg. Wing A	S/G+18 Floors	56.45
3	Proposed Bldg. Wing B	S/G+23 Floors	69.95
4	Proposed Bldg. Wing C	S/G+23 Floors	69.95

23.Number of tenants and shops	existing = 48 nos. proposed = 335 Nos. total = 383 nos.
24.Number of expected residents / users	existing = 264, proposed =1536, total = 1800
25.Tenant density per hectare	450 Nos./ 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)	30.00 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	Min. 9.00 m
29.Existing structure (s) if any	Existing Building (S+12 Floors) is completed & occupied in the plot area of 4020.00 sq.m. before amalgamation
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**	MJP/Recycled water
	Fresh water (CMD):	162
	Recycled water - Flushing (CMD):	82
	Recycled water - Gardening (CMD):	6
	Swimming pool make up (Cum):	6
	Total Water Requirement (CMD) :	256
	Fire fighting - Underground water tank(CMD):	150 cum
	Fire fighting - Overhead water tank(CMD):	10 cum for each wing
	Excess treated water	109
Wet season:	**Source of water**	MJP/Recycled water/RWH Tank
	Fresh water (CMD):	162
	Recycled water - Flushing (CMD):	82
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	6
	Total Water Requirement (CMD) :	250
	Fire fighting - Underground water tank(CMD):	150 cum
	Fire fighting - Overhead water tank(CMD):	10 cum for each wing
	Excess treated water	115
Details of Swimming pool (If any)	6 cum for swimming pool	

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:**	----------
	Size and no of RWH tank(s) and Quantity:	88 cum (2 day)
	Location of the RWH tank(s):	at ground level
	Quantity of recharge pits:	-
	Size of recharge pits :	-
	Budgetary allocation (Capital cost) :	Rs. 8.00Lakhs
	Budgetary allocation (O & M cost) :	Rs. 0.40 Lakhs
	Details of UGT tanks if any :	Domestic Tank=162cum Flushing Tank = 88cum Fire Tank = 150cum RWH Tank =88cum
35.Storm water drainage	**Natural water drainage pattern:**	Will be maintained
	Quantity of storm water:	Total actual discharge = 0.33cum/sec Total design discharge = 0.44cum/sec
	Size of SWD:	Width of the channel considered=0.45 m, Depth of the channel considered=0.45m
Sewage and Waste water	**Sewage generation in KLD:**	219
	STP technology:	MBBR
	Capacity of STP (CMD):	250
	Location & area of the STP:	Below ground level
	Budgetary allocation (Capital cost):	Rs.40.00 Lakhs
	Budgetary allocation (O & M cost):	Rs. 6.00 Lakhs

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	1. Steel will be sold for recycling,2. Cement waste will be used for bunding purpose, temporary plaster concrete works. 3. Waste sand will be used for bedding for flooring purpose.It will also be used as filler material for toilets waterproofing.4. Aggregates will be used as a layer for internal roads and building boundary wall. 5. Wood will be sold for recycling, 6. Waste tiles will be used as china mosaic.
	Disposal of the construction waste debris:	To be Disposed as per construction & demolition waste rules- 2016 at designated disposal site
Waste generation in the operation Phase:	**Dry waste:**	360 Kg/day
	Wet waste:	540 kg/day
	Hazardous waste:	nil
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	11 kg/day
	Others if any:	Nil

Mode of Disposal of waste:	**Dry waste:**	To be managed through recyclers.
	Wet waste:	To be processed in the Organic Waste Converter and manure so obtained will be used for landscaping.
	Hazardous waste:	Nil
	Biomedical waste (If applicable):	Nil
	STP Sludge (Dry sludge):	To be used as a manure
	Others if any:	Nil
Area requirement:	**Location(s):**	at ground level
	Area for the storage of waste & other material:	52 sq.m.
	Area for machinery:	5 sq.m.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 6.00 Lakhs
	O & M cost:	Rs. 2.00 Lakhs

37.Effluent Charecterestics

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

Amount of effluent generation (CMD):	Not applicable
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 :**	850.42sq.m. (10.00%)
	No of trees to be cut :	nil
	Number of trees to be planted :	45 nos.
	List of proposed native trees :	as below
	Timeline for completion of plantation :	at the end of construction phase

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadirachta indica	Neem Tree	6	Noise reduction
2	Michelia champaca	PiwalaChampa / Sonchapha	7	Flowering
3	Alistonia scholaris	Devils tree / Satvin	6	shaded
4	Pongamia pinnata	Karanj	7	shaded
5	Polyalthia longifolia	Mast Tree	6	shaded tree
6	Cassia fistula	Indian Laburnum	6	shaded tree
7	Cycas revoluta	Fern Palm	7	ornamental
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	80 KW
	DG set as Power back-up during construction phase	100 KVA
	During Operation phase (Connected load):	4797KW
	During Operation phase (Demand load):	2092KW
	Transformer:	2 X 630 KVA
	DG set as Power back-up during operation phase:	1 x 500KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Total Saving Due to LED
TotalSavingDuetoVFDforLift andPump
Saving Due CFL Light, Electronic Ballast along with BEE rated 5 Star equipment's.
Saving Due to Solar Energy Saving
DuetoSolarWaterHeater

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	as above	15.00%

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 39.00 Lakhs
	O & M cost:	Rs.2.00 Lakhs

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Dust Suppression	3.0
2	Land Environment	Site Sanitation	2.5
3	Environmental Monitoring	Environmental Monitoring	7.50
4	EHS	Disinfection	3.0
5	EHS	Health check up	3.5

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	water environment	Rain Water Harvesting	8.00	0.50
2	solid waste	MSW	6.00	2.00
3	water environment	STP	40.00	6.00
4	Energy Saving	Energy Conservation	39.00	2.00
5	land environment	landscaping	13.00	2.50

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 no.of entry exits through 30.00 m wide DP Road
Parking details:	**Number and area of basement:**	nil
	Number and area of podia:	Nil
	Total Parking area:	5678.21sq.m.
	Area per car:	as per DCR
	Area per car:	as per DCR
	Number of 2-Wheelers as approved by competent authority:	Required = 433 Nos. Provided = 433 Nos.
	Number of 4-Wheelers as approved by competent authority:	Required = 60 Nos. Provided = 60 Nos.
	Public Transport:	nil
	Width of all Internal roads (m):	6 to 9 m
	CRZ/ RRZ clearance obtain, if any:	nil

	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not within the 10 km
	Category as per schedule of EIA Notification sheet	Category B, Schedule 8(a)
	Court cases pending if any	No
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	12-06-2019

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Introduction :- Representative of PP was present during the meeting along with Environmental consultant M/s Enviro Analysts and Engineers pvt. ltd. The details of project are

1	Plot Area	10100.00 sq.m.	
2	Net Plot Area	8504.24sq.m	
3	Deductions	Deduction for DP Road & unbuildable plot = 1595.76 sq.m.	
4	FSI Area	22072.64 Sq.m.	
5	Non FSI Area	8961.45 Sq.m.	
6	Total Construction Area	31034.09 Sq.m.	
7	Building Configuration & Height	Existing Building = S+12=37.20 m Proposed Bldg. wing A = S/G+18 Floors=56.45 m Proposed Bldg. wing B = S/G+23 Floors= 69.95 m Proposed Bldg. wing C = S/G+23 Floors= 69.95 m Club House- St + 2 floors	
8	No. of Tenements	Existing = 48 nos.,Proposed = 335 Nos.,Total = 383 nos. (population -1800 nos)	
9	Total water requirement	256 KLD	
10	Sewage generation	219KLD	
11	STP Capacity (MBBR technology)	250 KLD	
12	Total Solid waste Quantities	Bio degradable : 540Kg/Day, Non –Biodegradable :- 360Kg/ Day, Total:- 900Kg/Day	
13	RG Area	On ground :-850.42sq.m. (10.00%)	
14	No. of trees	45 Nos.	
15	Parking	2W :-Required: 433 Nos. , Provided = 433 Nos. 4W :- Required: 60 Nos.,Provided= 60 Nos.	
16	Electrical Details	Connected Load Maximum Demand	
17	Energy Saving percentage	14.00%	
18	DG Set Capacity	1 X 500 KVA	

The project was earlier discussed in 129th SEAC –II meeting held on 19.02.2020 and certain points were raised for compliance.

Deliberation:-

The project proposal was discussed on the basis of presentation made and documents submitted by the proponent along with compliance of earlier points. 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 (B2) category of EIA Notification, 2006. Consolidated statements, synopsis of compliances, form 1, 1A, presentation & plans submitted are taken on the record.

During presentation, the Architect of the project informed that the adjacent plot was amalgamated & after amalgamation of plot the construction potential of the plot was exceeding 20,000 m2. Which clearly indicates that despite of knowing the fact the PP continued the construction before applying for EC, which clearly indicates that this is violation of EIA notification 2006.

PP has about 4000 plus sqm construction added in the project in the year around 2018 after amalgamation of plot number 64/2 with 64/1/4 .SEAC pointed out that, PP has started the construction activity on site without obtaining Environmental clearance thus resulting in violation of EC. Considering the above, after deliberation committee decided to refer the matter to SEIAA for further necessary action.

Decision:-

After deliberation, Committee decided to refer the proposal for action as it seems to be violation of notification.

DECISION OF SEAC

During presentation, the Architect of the project informed that the adjacent plot was amalgamated & after amalgamation of plot the construction potential of the plot was exceeding 20,000 m2. Which clearly indicates that despite of knowing the fact the PP continued the construction before applying for EC, which clearly indicates that this is violation of EIA notification 2006.

PP has about 4000 plus sqm construction added in the project in the year around 2018 after amalgamation of plot number 64/2 with 64/1/4 .SEAC pointed out that, PP has started the construction activity on site without obtaining Environmental clearance thus resulting in violation of EC. Considering the above, after deliberation committee decided to refer the matter to SEIAA for further necessary action.

Decision:-

After deliberation, Committee decided to refer the proposal for action as it seems to be violation of notification.

Specific Conditions by SEAC:

SEIAA DECISION

Deliberation in SEIAA-

SEAC in its 133rd meeting pointed out that, PP has about 4000 plus sq.m. construction added in the project in the year around 2018 after amalgamation of plot number 64/2 with 64/1/4.SEAC also pointed out that, PP has started the construction activity on site without obtaining Environmental clearance thus resulting in violation of EC. And hence SEAC referred the matter to SEIAA for further necessary action. During the meeting PP submitted the architect certificate showing that PP has constructed Total BUA of 9577.01 m2 on site which is below 20,000 m2. After the Hon. High Court order in the matter Glomore Construction and Others vs Union of India (W.P. no 655 of 2014) Environment Department has issued a circular dated 21.04.2015 stating that, proposed construction projects wherein Project Proponent has undertaken total construction below 20000 m2 may not be considered as violation of EIA notification, 2006. In the project under reference total constructed area is 9577.01 m2 which is below the area mentioned in aforesaid circular. Therefore, SEAC is directed to process as per the circular dated 21.04.2015.

SEIAA Decision-

SEIAA after deliberation decided to refer back the proposal to SEAC-2.

Specific Conditions by SEIAA:

FINAL RECOMMENDATION

SEIAA have decided to refer back the proposal to SEAC due to the above conditions

208th Meeting of SEIAA

SEIAA Meeting number: 208 **Meeting Date** September 14, 2020

Subject: Environment Clearance for Proposed Residential Project - Shri Vasari Hills CHS (SRA Scheme) at Plot bearing CTS No. 1376, 1376/1 to 9, 1377 (Pt), 1377/1 to 42, 1377/43 (Pt), 1377/44 (Pt), 1377/45 to 47, 1378(Pt), 1378/1 to 14, 1378/18(Pt), 1378/19(Pt), 1378/22 to 26, 1379, 1379/1 to 21, 1380/1 to 11, Village – Malad, near Goregoan telephone exchange, Goregoan mulund link road, Malad – W, Mumbai 400064 by M/s. Shree Laxmidevi Developers

Is a Violation Case: No

1.Name of Project	Shri Vasari Hills CHS (SRA Scheme), by M/s. Shree Laxmidevi Developers
2.Type of institution	Private
3.Name of Project Proponent	M/s. Shree Laxmidevi Developers
4.Name of Consultant	M/s. Enviro Analysts and Engineers Private Limited
5.Type of project	SRA Scheme
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	CTS No. 1376, 1376/1 to 9, 1377 (Pt), 1377/1 to 42, 1377/43 (Pt), 1377/44 (Pt), 1377/45 to 47, 1378(Pt), 1378/1 to 14, 1378/18(Pt), 1378/19(Pt), 1378/22 to 26, 1379, 1379/1 to 21, 1380/1 to 11, Village – Malad, near Goregoan telephone exchange, Goregoan mulund link road, Malad – W, Mumbai 400064
9.Taluka	Borivali
10.Village	Malad
Correspondence Name:	M/s. Shree Laxmidevi Developers
Room Number:	-
Floor:	11th floor
Building Name:	Laxmi Villa CHS
Road/Street Name:	Road No. 03, Jawahar nagar
Locality:	Goregaon (W)
City:	Mumbai
11.Whether in Corporation / Municipal / other area	Municipal Corporation of Greater Mumbai (MCGM)
12.IOD/IOA/Concession/Plan Approval Number	Received
	IOD/IOA/Concession/Plan Approval Number: IOD/IOA/Concession/Plan Approval Number: IOA for Sale building vide letter no. P-S/STGOVT/0008/20091016/AP/S Dated 4/2/2020 And IOA for Rehab building vide letter no. P-S/STGOVT/0008/20091016/AP/R Dated 4/2/2020
	Approved Built-up Area: 14979.98
13.Note on the initiated work (If applicable)	Total construction area of 8918.05 sqm has been constructed on site as per approval received
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	-
15.Total Plot Area (sq. m.)	3171.10 sq.m
16.Deductions	-
17.Net Plot area	3171.10 sq.m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 17817.80
	b) Non FSI area (sq. m.): 13141.55
	c) Total BUA area (sq. m.): 30959.35
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 14979.98
	Approved Non FSI area (sq. m.): -
	Date of Approval: 04-02-2020
19.Total ground coverage (m2)	1685.30

20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	55.29 %
21.Estimated cost of the project	1170000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Rehab Building	Basement + Gr./St. + 1st to 23rd Floors	69.90
2	Sale Building	Lower Basement + Upper basement + Gr./St. +1st Podium + 2nd to 23rd floor + 24th (pt) Floor	86.75

23.Number of tenants and shops	Rehab Building: Flats: 198 Shops: 5 Balwadi: 3 Welfare Center: 3 Society Office: 2 and Sale Building: Flats: 86
24.Number of expected residents / users	1371 nos.
25.Tenant density per hectare	936
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	27.45 m wide D.P road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Minimum 9.00 m
29.Existing structure (s) if any	Slums
30.Details of the demolition with disposal (If applicable)	Total of 214 nos. of slums were on site out of which 183 nos. of slums are already demolished and remaining will be demolished as per the debris management plan

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**	MCGM/ recycled water from STP
	Fresh water (CMD):	123
	Recycled water - Flushing (CMD):	62
	Recycled water - Gardening (CMD):	1
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	186
	Fire fighting - Underground water tank(CMD):	400
	Fire fighting - Overhead water tank(CMD):	60
	Excess treated water	109 KLD
Wet season:	**Source of water**	MCGM/ recycled water from STP/ RWH
	Fresh water (CMD):	123
	Recycled water - Flushing (CMD):	62
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	185
	Fire fighting - Underground water tank(CMD):	400
	Fire fighting - Overhead water tank(CMD):	60
	Excess treated water	110KLD
Details of Swimming pool (If any)	Nil	

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:**	3.0 m - 4.5 m
	Size and no of RWH tank(s) and Quantity:	2 nos. of tanks with total capacity of 65 cum
	Location of the RWH tank(s):	Underground Water tanks
	Quantity of recharge pits:	Nil
	Size of recharge pits :	Nil
	Budgetary allocation (Capital cost) :	Rs. 10.80 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 1.00 Lakhs/year
	Details of UGT tanks if any :	Domestic water tanks: 106 cum Flushing water tanks: 51.5 cum Firefighting water tanks: 400 cum RWH tanks: 65 cum
35.Storm water drainage	**Natural water drainage pattern:**	NW to SE
	Quantity of storm water:	0.096 m3/sec
	Size of SWD:	450 mm X 300 mm
Sewage and Waste water	**Sewage generation in KLD:**	150
	STP technology:	MBBR
	Capacity of STP (CMD):	1 STP and Capacity 170 KLD
	Location & area of the STP:	Ground level. Area: 150 sqm
	Budgetary allocation (Capital cost):	Rs. 40.00 Lakhs
	Budgetary allocation (O & M cost):	Rs. 10.00 Lakhs / year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Recyclable waste will be generated like empty cement bags & cans, scrap metal etc. Debris & construction waste shall be generated.
	Disposal of the construction waste debris:	Recyclable waste like empty cement bags & empty paint cans shall be handed over to local vendors. Broken tiles shall be used for china mosaic of terrace. Scrap metals shall be sold to recyclers
Waste generation in the operation Phase:	**Dry waste:**	273 kg/day
	Wet waste:	400 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	8 kg/day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Will be hand over to Local Recyclers for recycling.
	Wet waste:	Will be processed in the OWC. manure obtained shall be used for landscaping / Gardening, Excess manure shall be sold to nearby end users
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	To be used as manure
	Others if any:	NA
Area requirement:	**Location(s):**	Ground Level
	Area for the storage of waste & other material:	33 sq.m
	Area for machinery:	5 sq.m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 8.00 lakhs
	O & M cost:	Rs. 2.50 Lakhs/year

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable
41.Source of Fuel		Not applicable		

42.Mode of Transportation of fuel to site	Not applicable

43.Green Belt Development	**Total RG area :**	265.95 sq.m
	No of trees to be cut :	0
	Number of trees to be planted :	39 no's
	List of proposed native trees :	as per listed below
	Timeline for completion of plantation :	As soon as construction work completed

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	Azadirachta indica	Neem	9	Medicinal tree
2	Michelia champaca	Son Chafa	4	Flowering tree
3	Anthocephalus cadamba	Kadamb	7	Evergreen tree
4	Saraca asoca	Sita Ashok	10	Evergreen tree
5	Mimusops elengi	Bakul	9	Evergreen 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 :**	Reliance Energy
	During Construction Phase: (Demand Load)	40 kW
	DG set as Power back-up during construction phase	50 kVA
	During Operation phase (Connected load):	3863 kW
	During Operation phase (Demand load):	1304 kW
	Transformer:	1 X 1000 kVA
	DG set as Power back-up during operation phase:	2 X 250 kVA , 1 X 375 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

- Using LED lights instead of conventional CFL lights
- Using efficient motors and starters
- Using BEE star rated electrical equipment

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total energy savings	15 %

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. 20.00 Lakhs
	O & M cost:	Rs. 1.00 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	Air Environment	Water Sprinkling, Green Belt Development, Covered storage area	4.0
2	Noise Environment	Noise Baricades and Green Belt Developments	3.0
3	Water Environment	Modular STP , Drainage with sedimentation tanks	3.0
4	Good Health Practices	Site Sanitation & Health Care	3.0
5	Environment Monitoring	Air, water, noise soil monitoring during construction phase	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	water environment	STP	40.00	10.00
2	water conservation	RWH	10.80	1.00
3	Solid waste management	OWC	8.00	2.50
4	Energy savings	Solar	20.00	1.00
5	Land Environment	Landscape	5.70	1.15

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	2 nos. of entry & exit
Parking details:	**Number and area of basement:**	No. of Basement for Rehab building: 1 no and Sale building: 2 no's
	Number and area of podia:	No. of Podia for Sale building: 1 no
	Total Parking area:	-
	Area per car:	-
	Area per car:	-
	Number of 2-Wheelers as approved by competent authority:	nil
	Number of 4-Wheelers as approved by competent authority:	141 nos
	Public Transport:	Nil
	Width of all Internal roads (m):	Minimum 6.00 m wide
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park (1.83 km)
	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

Representative of PP was present during the meeting along with environmental consultant.M/s. Enviro Analysts and Engineers Private Limited.

PP informed that, the project under consideration is new SRA scheme project. PP further stated that, the total plot area of the project is 3171.10Sq.mt having total construction area 30959.35Sq.mt (FSI - 17817.80Sq.mt + NON FSI- 13141.55Sq.mt) and the building configuration is as follow-

Rehab Building

Basement + Gr./St. + 1st to 23rd Floors- 69.90 m height

Sale Building

Lower Basement + Upper basement + Gr./St. +1st Podium +2nd to 23rd floor +24th (pt) Floor - 86.75- height

Deliberation:-

Proposal was earlier considered in 129th meeting of SEAC-2 and deferred for compliance. Now PP submitted the compliance.

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 (B2) category of EIA Notification, 2006. Consolidated statements, synopsis of compliances, form 1, 1A, presentation & plans submitted are taken on the record.

DECISION OF SEAC

During discussion following points emerged:

1. PP to ensure that STP to be kept open minimum upto 40%.

2. The discharge of treated sewage to be reduced to 35% .

3. PP to adopt water conservation measures by providing Low Flow Devices (LFD) as plumbing fixtures.

4. PP to ensure that the energy savings from renewable sources shall be minimum 5%.

5. PP to ensure that the nalla should not be covered or diverted. PP to abide conditions of Nalla Remarks of MCGM issued in the year 2017 of afterwards whichever are more stringent..

6. PP to ensure no compound wall is constructed on the retaining wall of Nalla.

7. PP to abide all conditions of NOCs granted by the different authorities.

8. No any construction shall be proposed on RG area which is on Mother Earth. PP to ensure that RG area to be maintained as it is.

9. The PP to get NOC from competent authority with reference to Thane creek flamingo sanctuary if the project site falls within 10 Km radius from the said sanctuary boundary, if applicable. The planning authority to ensure fulfilment of this condition before granting CC.

10. PP to submit CER prescribed by MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project. The specific activities to be undertaken under CER to be carried out in consultation with Municipal Corporation or collector or Environment Department.

Decision:-

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

Specific Conditions by SEAC:

1) PP to ensure that STP to be kept open minimum upto 40%.
2) PP to ensure that CER plan gets approved from Municipal Commissioner.
3) PP Shall comply with Standard EC conditions mentioned in the Office Memorandum issued by MoEF& CC vide F.No.22-34/2018-IA.III dt.04.01.2019.
4) SEIAA decided to grant EC for – FSI: 14812.77 m2, Non-FSI: 11856.32 m2 and Total BUA:26669.09 m2 (Plan Approval-SRA/ENG/PS/STGOVT/0008/20091016/APIS, Date-04.02.2020)

SEIAA DECISION

Proposal was recommended in 133rd meeting of SEAC-2 for the total plot area of 3171.10 Sq.mt and total construction area 30959.35 Sq.mt (FSI - 17817.80Sq.mt + NON FSI-13141.55 Sq.mt).

SEIAA decided to grant EC for – FSI: 14812.77 m2, Non-FSI: 11856.32 m2 and Total BUA:26669.09 m2 (Plan Approval-SRA/ENG/PS/STGOVT/0008/20091016/APIS, Date-04.02.2020)

SEIAA decided to grant EC subject to following conditions-

1. PP to ensure that STP to be kept open minimum upto 40%.
2. PP to ensure that CER plan gets approved from Municipal Commissioner.
3. PP Shall comply with Standard EC conditions mentioned in the Office Memorandum issued by MoEF& CC vide F.No.22-34/2018-IA.III dt.04.01.2019.

Specific Conditions by SEIAA:

1) PP to ensure that STP to be kept open minimum upto 40%.
2) PP to ensure that CER plan gets approved from Municipal Commissioner.
3) PP Shall comply with Standard EC conditions mentioned in the Office Memorandum issued by MoEF& CC vide F.No.22-34/2018-IA.III dt.04.01.2019.
4) SEIAA decided to grant EC for – FSI: 14812.77 m2, Non-FSI: 11856.32 m2 and Total BUA:26669.09 m2 (Plan Approval-SRA/ENG/PS/STGOVT/0008/20091016/APIS, Date-04.02.2020)

FINAL RECOMMENDATION

SEIAA have decided to grant the proposal for Prior Environmental Clearance subject to above conditions

208th Meeting of SEIAA

SEIAA Meeting number: 208 **Meeting Date** September 14, 2020

Subject: Environment Clearance for Stone Quarry (Minor Mineral), Survey No. 428(P), Village – Bhandgaon, Taluka – Daund, District - Pune

Is a Violation Case: No

1.Name of Project	Stone Quarry at Survey No. 428(P), Village – Bhandgaon, Taluka – Daund, District - Pune
2.Type of institution	Private
3.Name of Project Proponent	VAIBHAV PRAKASH LONDHE
4.Name of Consultant	Srushti Seva Private Limited, Nagpur
5.Type of project	Mining Project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not Applicable
8.Location of the project	Survey No. 428(P)
9.Taluka	Daund
10.Village	Bhandgaon
Correspondence Name:	VAIBHAV PRAKASH LONDHE
Room Number:	-
Floor:	-
Building Name:	-
Road/Street Name:	-
Locality:	At Post – Shindavane Road, Village-Uruli Kanchan, Tahsil- Haveli, Dist Pune
City:	-
11.Whether in Corporation / Municipal / other area	Other area
12.IOD/IOA/Concession/Plan Approval Number	Not applicable
	IOD/IOA/Concession/Plan Approval Number: Not applicable
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	Not applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	2.88 Ha
16.Deductions	-
17.Net Plot area	2.88 Ha
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** Not applicable
	b) Non FSI area (sq. m.): Not applicable
	c) Total BUA area (sq. m.):
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** Not applicable
	Approved Non FSI area (sq. m.): Not applicable
	Date of Approval: 17-07-2019
19.Total ground coverage (m2)	Not applicable
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	6000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Not applicable	Not applicable	Not applicable

23.Number of tenants and shops	Not applicable
24.Number of expected residents / users	Not applicable
25.Tenant density per hectare	Not applicable
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Not applicable
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Not applicable
29.Existing structure (s) if any	Not applicable
30.Details of the demolition with disposal (If applicable)	Not applicable

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Stone (Minor Mineral)	Nil	6375	6375

32.Total Water Requirement

Dry season:	**Source of water**	Purchased water & Pit Water
	Fresh water (CMD):	5.0
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	5.0
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable

Wet season:	**Source of water**	Purchased water & Pit Water
	Fresh water (CMD):	5.0
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	5.0
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
Details of Swimming pool (If any)	Not applicable	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	Nil	1.0	1.0	Nil	0.2	0.2	Nil	0.8	0.8
Gardening	Nil	4.0	4.0	Nil	4.0	4.0	Nil	Nil	Nil
Fresh water requirement	Nil	5.0	5.0	Nil	4.2	4.2	Nil	0.8	0.8

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	10 m
	Size and no of RWH tank(s) and Quantity:	Mine Pit
	Location of the RWH tank(s):	Within mining lease area
	Quantity of recharge pits:	-
	Size of recharge pits :	-
	Budgetary allocation (Capital cost) :	-
	Budgetary allocation (O & M cost) :	-
	Details of UGT tanks if any :	Not Applicable

35.Storm water drainage	**Natural water drainage pattern:**	Not Applicable. However, the rain water will be channelized to the natural water courses like gullies and depression through appropriate drainage system.
	Quantity of storm water:	-
	Size of SWD:	-
Sewage and Waste water	**Sewage generation in KLD:**	0.8
	STP technology:	Mobile STP
	Capacity of STP (CMD):	1 No. Capacity 2 KLD
	Location & area of the STP:	Within Mining Lease area
	Budgetary allocation (Capital cost):	Rs. 2 lakhs
	Budgetary allocation (O & M cost):	Rs. 30,000/-
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Not Applicable
	Disposal of the construction waste debris:	Not Applicable
Waste generation in the operation Phase:	**Dry waste:**	No waste in form of rejects shall be generated during mining process
	Wet waste:	Nil
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	-
	Others if any:	Not Applicable
Mode of Disposal of waste:	**Dry waste:**	Not Applicable
	Wet waste:	Not Applicable
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	-
	Area for the storage of waste & other material:	No waste shall be generated during mining process and therefore no Mineral Stacking Area shall be required.
	Area for machinery:	-
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Not Applicable
	O & M cost:	Not Applicable
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
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
41.Source of Fuel		Not Applicable		
42.Mode of Transportation of fuel to site		Not Applicable		

43.Green Belt Development	**Total RG area :**	9600 m2
	No of trees to be cut :	-
	Number of trees to be planted :	1950
	List of proposed native trees :	Awala, Kadulimb, Kala Tembhurni, Peru, Sag
	Timeline for completion of plantation :	During first five years after start of mining

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	Emblica officinalis	Awala	300	Created to intercept dust, gaseous pollutants, noise and fruits
2	Azadirachta indica	Kadulimb	300	Created to intercept dust, gaseous pollutants and noise

3	Tectona grandis	Sag	400	Created to intercept dust, gaseous pollutants and noise
4	Ficus hispida	Kala Umber	250	Created to intercept dust, gaseous pollutants, noise and fruits
5	Psidium guava	Peru	250	Created to intercept dust, gaseous pollutants, noise and fruits
6	Terminaili acatapa	Deshi Badam	300	Created to intercept dust, gaseous pollutants, noise and fruits
7	Butea monosperma	Palas	150	Created to intercept dust, gaseous pollutants and noise
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	Maharashtra State Power Distribution Company Limited
	During Construction Phase: (Demand Load)	Not Applicable
	DG set as Power back-up during construction phase	-
	During Operation phase (Connected load):	10 KW for mine office
	During Operation phase (Demand load):	10 KW for mine office
	Transformer:	10 KW for mine office
	DG set as Power back-up during operation phase:	No
	Fuel used:	-
	Details of high tension line passing through the plot if any:	No high tension line passing through the lease area

48.Energy saving by non-conventional method:

Solar Energy

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar Lamps	5

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed

Air Pollution	Nil	Sprinkling on the haul roads. The closed conduit type of crusher with sprinkler arrangement to prevent the escape of fug. A thick green is maintained around the lease area and on both sides of the haul roads.
Water Pollution	Nil	Construction of Garland Drain & Bund
Noise Pollution	Nil	Preventive Maintenance of all heavy machineries,

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	-
	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	Not applicable	Not applicable	Not applicable

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air Pollution	Sprinkling on the haul roads. The closed conduit type of crusher with sprinkler arrangement to prevent the escape of fug. A thick green is maintained around the lease area and on both sides of the haul roads.	3.0	1.0
2	Water Pollution	Construction of Garland drain, stone hedge wall around the lease area, Mobile STP 2KLD	3.0	1.0
3	Noise Pollution	Preventive Maintenance of all heavy machineries,	-	0.5
4	Occupational health and safety	Periodic health check ups of workers and safety equipment	1.0	0.5

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:	Not Applicable
Parking details:	**Number and area of basement:**	Not Applicable
	Number and area of podia:	Not Applicable
	Total Parking area:	Not Applicable
	Area per car:	Not Applicable
	Area per car:	Not Applicable
	Number of 2-Wheelers as approved by competent authority:	Not Applicable
	Number of 4-Wheelers as approved by competent authority:	Not Applicable
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	Not Applicable
	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	Category B2, Schedule 1(a)
	Court cases pending if any	No
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

PP submitted their application for prior Environment Clearance under category 1(a)B2 of the EIA Notification,2006 , as amended from time to time for the stone quarry having area of 2.88 ha. at village Bhadgaon Survey No. 428 (p) , Taluka Daund District Pune.

The proposal was earlier considered in the 170th meeting held on 24.10.2019 wherein the proposal was deferred for want of additional information.

Now PP submitted compliance.

District Mining Officer was present for the meeting.

PP submitted certificate from the District Mining Officer stating that there is no cluster formation in the proposed quarry area.

DECISION OF SEAC

SEAC-1 appraised the proposal on the basis of information presented by the Project Proponent and the District Mining Officer and decided to recommend the proposal of prior Environment Clearance subject to the following conditions.

Specific Conditions by SEAC:

1) PP to ensure additional air quality monitoring station around the periphery of village.
2) No hill cutting should be allowed during the quarrying.
3) Blasting, crushing and transportation of crushed material should be carried out under covered conditions to avoid any kind of dust pollution.
4) PP shall employ dust suppression measures by use of water sprinklers, foggers etc.
5) The PP shall undertake 2 rows of tree plantation along the lease boundary. Dust absorbing trees shall be planted.
6) PP to ensure that, as submitted in detail in SEIAA meeting, all mitigation and monitoring measures to be followed especially around the vicinity of nearest Village/ human settlement.

SEIAA DECISION

Proposal was recommended in 186th meeting of SEAC-1.

SEIAA after deliberation decided to grant Environment Clearance.

SEIAA Decision-

SEIAA decided to grant EC subject to following conditions-

1. PP to ensure additional air quality monitoring station around the periphery of village.

2. No hill cutting should be allowed during the quarrying.

3. Blasting, crushing and transportation of crushed material should be carried out under covered conditions to avoid any kind of dust pollution.

4. PP shall employ dust suppression measures by use of water sprinklers, foggers etc.

5. The PP shall undertake 2 rows of tree plantation along the lease boundary. Dust absorbing trees shall be planted.

6. PP to ensure that, as submitted in detail in SEIAA meeting, all mitigation and monitoring measures to be followed especially around the vicinity of nearest Village/ human settlement.

Specific Conditions by SEIAA:

1) PP to ensure additional air quality monitoring station around the periphery of village.
2) No hill cutting should be allowed during the quarrying.
3) Blasting, crushing and transportation of crushed material should be carried out under covered conditions to avoid any kind of dust pollution.
4) PP shall employ dust suppression measures by use of water sprinklers, foggers etc.
5) The PP shall undertake 2 rows of tree plantation along the lease boundary. Dust absorbing trees shall be planted.
6) PP to ensure that, as submitted in detail in SEIAA meeting, all mitigation and monitoring measures to be followed especially around the vicinity of nearest Village/ human settlement.

FINAL RECOMMENDATION

SEIAA have decided to grant the proposal for Prior Environmental Clearance subject to above conditions

208th Meeting of SEIAA

SEIAA Meeting number: 208 **Meeting Date** September 14, 2020

Subject: Environment Clearance for Proposed Basalt Stone Quarry (Minor Mineral Project) of M/s Patil & Patil Sons at Gat No. 434/2 Part, Pen Gramin Village, Pen, Raigad District, Maharashtra. (Total Plot Area : 4.0 Ha)

Is a Violation Case: No

1.Name of Project	M/s Patil & Patil Sons
2.Type of institution	Private
3.Name of Project Proponent	Mr. Lalit R. Patil
4.Name of Consultant	Enviro Resources
5.Type of project	Project is falling under jurisdiction of Pen Grampanchayat
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	Gat No. 434/2 Part
9.Taluka	Pen
10.Village	Pen Gramin
Correspondence Name:	Mr. Lalit R. Patil
Room Number:	House No. 7/130
Floor:	NA
Building Name:	Vaikunth Niwas, Shishak Society
Road/Street Name:	NA
Locality:	NA
City:	Pen Raigad
11.Whether in Corporation / Municipal / other area	Other Area (Project land is falling under jurisdiction of Grampanchayat)
12.IOD/IOA/Concession/Plan Approval Number	Since it is Basalt Stone Mining Project, Mining Plan has been approved by DGM, Kolhapur as per provision of Maharashtra Minor Mineral Extraction Rules, 2013
	IOD/IOA/Concession/Plan Approval Number: Mining Plan Approval No MIN-Adm/503/III/2018/1108 dated 09th October 2018
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	Not applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NOC from Grampanchayat is received on 14.08.2017
15.Total Plot Area (sq. m.)	40000 Sq.m. (4.00 Ha)
16.Deductions	0
17.Net Plot area	40000 Sq.m. (4.00 Ha)
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** Not applicable
	b) Non FSI area (sq. m.): Not applicable
	c) Total BUA area (sq. m.):
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** Not applicable
	Approved Non FSI area (sq. m.): Not applicable
	Date of Approval: 10-04-2019
19.Total ground coverage (m2)	Not applicable
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	5500000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Not applicable	Not applicable	Not applicable

23.Number of tenants and shops	Not applicable
24.Number of expected residents / users	Not applicable
25.Tenant density per hectare	Not applicable
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	NA
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Not applicable
29.Existing structure (s) if any	Not applicable
30.Details of the demolition with disposal (If applicable)	Not applicable

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Basalt Stone (Stone Metal)	0	10800	10800

32.Total Water Requirement

Dry season:	**Source of water**	Water Tankers
	Fresh water (CMD):	5.2
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	5.2
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
Wet season:	**Source of water**	Not applicable
	Fresh water (CMD):	Not applicable
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	Not applicable
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
Details of Swimming pool (If any)	Not applicable	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	0	0.5	0.5	0	0.1	0.1	0	0.4	0.4
Gardening	0	3.6	3.6	0	3.6	3.6	0	0	0
Industrial Process	0	1.1	1.1	0	1.1	1.1	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Approx 10m
	Size and no of RWH tank(s) and Quantity:	Not Applicable
	Location of the RWH tank(s):	Not Applicable
	Quantity of recharge pits:	Not Applicable
	Size of recharge pits :	Not Applicable
	Budgetary allocation (Capital cost) :	Not Applicable
	Budgetary allocation (O & M cost) :	Not Applicable
	Details of UGT tanks if any :	Not Applicable
35.Storm water drainage	**Natural water drainage pattern:**	The slope of the area is from North-East to South-West within the Project Site. The run-off will be maintained by providing garland drains around the quarry boundary to maintain the natural pattern.
	Quantity of storm water:	Around 25 m3/hr of storm water will be generated within the lease area
	Size of SWD:	The runoff will be connected to garland drain
Sewage and Waste water	**Sewage generation in KLD:**	0.4
	STP technology:	Not Applicable; Septic Tank Followed by Soak pits will be provided
	Capacity of STP (CMD):	Not Applicable
	Location & area of the STP:	Not Applicable
	Budgetary allocation (Capital cost):	0.55 Lacs
	Budgetary allocation (O & M cost):	0.34 Lacs
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Not Applicable
	Disposal of the construction waste debris:	Not Applicable
Waste generation in the operation Phase:	**Dry waste:**	Not Applicable
	Wet waste:	Not Applicable
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Total overburden of 214922 tons will be genrated during proposed quarry operation of 5 years

Mode of Disposal of waste:	**Dry waste:**	Not Applicable
	Wet waste:	Not Applicable
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Overburden from mining Operation will be utilize for development and maintenance of internal roads, greenbelts and for filling of empty pits during course of mine closure
Area requirement:	**Location(s):**	Overburden will be stored along the lease boundry, close to green belt area
	Area for the storage of waste & other material:	Not Applicable
	Area for machinery:	Not Applicable
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Not Applicable
	O & M cost:	Not Applicable

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	Diesel	Not Applicable	10 liter/day	10 liter/day

41.Source of Fuel	Local
42.Mode of Transportation of fuel to site	Fuel storage cans through vehicle

43.Green Belt Development	**Total RG area :**	5955 Sq.m. (0.59 Ha)
	No of trees to be cut :	Not Applicable
	Number of trees to be planted :	74
	List of proposed native trees :	Neem, Mango, Sagon, Bargad, Sheesham, Peepal
	Timeline for completion of plantation :	Plantation will be done after grant of EC and Mining Lease

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	Azadirachta Indica	Neem	12	Tolerant to SO2
2	Mangifera indica	Mango	12	Tolerant to Dust control
3	Tectona grandis	Sagon	12	Tolerant to Dust control
4	Ficus benghalensis	Bargad	12	Tolerant to Dust control
5	Dalbergia sisoo	Sheesham	12	Dust particles absorbance
6	Ficus religiosa	Peepal	14	Dust particles absorbance
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	Not Applicable
	During Construction Phase: (Demand Load)	Not Applicable
	DG set as Power back-up during construction phase	Not Applicable
	During Operation phase (Connected load):	Not Applicable
	During Operation phase (Demand load):	Not Applicable
	Transformer:	Not Applicable
	DG set as Power back-up during operation phase:	Not Applicable
	Fuel used:	Not Applicable
	Details of high tension line passing through the plot if any:	Not Applicable

48.Energy saving by non-conventional method:

Not Applicable

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Not Applicable	Not Applicable

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Dust generation due to internal vehicular Movement	Not Applicable	Sprinkling of water will be done to to avoid dust nuisance
PM generation due to drilling and blasting operation	Not Applicable	Sprinkling of water will be done to to avoid dust nuisance
Emissions from Vehicles	Not Applicable	PUC certified vehicles will be used
Noise generation	Not Applicable	PPEs will be provided for workers, maintenance of equipment's will be done to avoid higher noise level

Water/ soil pollution due to direct discharge of sewage water on land	Not Applicable	Septic tank followed by soak pits will be provided

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Not Applicable
	O & M cost:	Not Applicable

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Not Applicable	Not Applicable	Not Applicable

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air Environment	Dust suppression system, Water Sprinklers, Provision of Tarpaulin, PUC for vehicles	0.00	2.94
2	Water Environment	on-site temporary sanitation facilities & septic tank followed by soak pit	0.55	0.34
3	Noise Environment	Maintenance of Vehicle and machineries	0.00	0.25
4	Soil Environment	Construction and & Maintenance of Garland to avoid soil erosion during monsoon period	0.30	0.10
5	Environment Monitoring & Management	Monitoring of AAQ & Ground Water	MoEF or NABL Accredited Laboratory	0.50
6	Occupational Health & Safety	Provision of new PPEs for workers, Safety training for workers, Periodic Medical Checkup, First Aid	0.47	0.29
7	Green Belt	Green Belt development and its maintenance	0.37	0.85
8	Roads	Development & Maintenance of Access Road	2.04	0.90
9	Mine Closure	Implementation of Mine closure plan	2.00	0.00

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 ApplicablNot Applicablee	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:	Not Applicable
Parking details:	**Number and area of basement:**	Not Applicable
	Number and area of podia:	Not Applicable
	Total Parking area:	Not Applicable
	Area per car:	Not Applicable
	Area per car:	Not Applicable
	Number of 2-Wheelers as approved by competent authority:	Not Applicable
	Number of 4-Wheelers as approved by competent authority:	Not Applicable
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	1 (a) Category B2
	Court cases pending if any	Not Applicable
	Other Relevant Informations	Not Applicable
	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 submitted their application for prior Environment Clearance under category 1(a)B2 of the EIA Notification,2006 , as amended from time to time for the stone quarry having area of 4.00 ha. at village Pen Gat. No. 434/2 (p) , Taluka Pen District Raigad.

The proposal was earlier considered in the 165th meeting held on 05.05.2019 wherein the proposal was deferred for want of additional information.

Now PP submitted compliance.

District Mining Officer was present for the meeting.

PP submitted certificate from the District Mining Officer stating that there is no cluster formation in the proposed quarry area.

DECISION OF SEAC

SEAC-1 appraised the proposal on the basis of information presented by the Project Proponent and the District Mining Officer and decided to recommend the proposal for prior Environment Clearance subject to the following conditions.

Specific Conditions by SEAC:

1) PP to ensure additional air quality monitoring station around the periphery of village.
2) No hill cutting should be allowed during the quarrying.
3) Blasting, crushing and transportation of crushed material should be carried out under covered conditions to avoid any kind of dust pollution.
4) PP shall employ dust suppression measures by use of water sprinklers, foggers etc.
5) The PP shall undertake 2 rows of tree plantation along the lease boundary. Dust absorbing trees shall be planted.
6) PP to ensure that, as submitted in detail in SEIAA meeting, all mitigation and monitoring measures to be followed especially around the vicinity of nearest Village/ human settlement.

SEIAA DECISION

Proposal was recommended in 186th meeting of SEAC-1.

SEIAA after deliberation decided to grant Environment Clearance.

SEIAA Decision-

SEIAA decided to grant EC subject to following conditions-

1. PP to ensure additional air quality monitoring station around the periphery of village.

2. No hill cutting should be allowed during the quarrying.

3. Blasting, crushing and transportation of crushed material should be carried out under covered conditions to avoid any kind of dust pollution.

4. PP shall employ dust suppression measures by use of water sprinklers, foggers etc.

5. The PP shall undertake 2 rows of tree plantation along the lease boundary. Dust absorbing trees shall be planted.

6. PP to ensure that, as submitted in detail in SEIAA meeting, all mitigation and monitoring measures to be followed especially around the vicinity of nearest Village/ human settlement.

Specific Conditions by SEIAA:

1) PP to ensure additional air quality monitoring station around the periphery of village.
2) No hill cutting should be allowed during the quarrying.
3) Blasting, crushing and transportation of crushed material should be carried out under covered conditions to avoid any kind of dust pollution.
4) PP shall employ dust suppression measures by use of water sprinklers, foggers etc.
5) The PP shall undertake 2 rows of tree plantation along the lease boundary. Dust absorbing trees shall be planted.
6) PP to ensure that, as submitted in detail in SEIAA meeting, all mitigation and monitoring measures to be followed especially around the vicinity of nearest Village/ human settlement.

FINAL RECOMMENDATION

SEIAA have decided to grant the proposal for Prior Environmental Clearance subject to above conditions

208th Meeting of SEIAA

SEIAA Meeting number: 208 **Meeting Date** September 14, 2020

Subject: Environment Clearance for Amendment for Environmental Clearance for the Proposed Modification / Expansion of IT Park project "Embassy Tech Zone" at Plot No. 03, Rajiv Gandhi Infotech Park, Phase II, MIDC, Hinjewadi, Pune, Maharashtra.

Is a Violation Case: No

1.Name of Project	Embassy Tech Zone
2.Type of institution	Private
3.Name of Project Proponent	Embassy Office Parks Pvt. Ltd.
4.Name of Consultant	Samrakshan
5.Type of project	IT Park
6.New project/expansion in existing project/modernization/diversification in existing project	Modification/expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Environmental Clearance (EC) obtained from State Level Environment Impact Assessment Authority (SEIAA), Maharashtra vide letter No. SEAC-2010/CR.297/TC.2 dated 11.7.2011
8.Location of the project	"Embassy Tech Zone" at Plot No. 03, Rajiv Gandhi Infotech Park, Phase II, MIDC, Hinjewadi, Pune, Maharashtra.
9.Taluka	Hinjawadi
10.Village	Rajiv Gandhi Infotech Park, Phase II, MIDC
Correspondence Name:	M/s Embassy Office Parks Pvt. Ltd.,
Room Number:	No. 150
Floor:	Not applicable
Building Name:	Not applicable
Road/Street Name:	Infantry Road
Locality:	Not applicable
City:	Bengaluru - 560001
11.Whether in Corporation / Municipal / other area	MIDC area
12.IOD/IOA/Concession/Plan Approval Number	Not applicable
	IOD/IOA/Concession/Plan Approval Number: Not applicable
	Approved Built-up Area: 489815
13.Note on the initiated work (If applicable)	Presently 8 blocks are under operation and 10 blocks are yet to be constructed
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	EC obtained - 2,76,874 sq m (68.43 acres) and Scenario after expansion - 2,72,979 sq m (67.47 area)
16.Deductions	None
17.Net Plot area	EC obtained - 2,76,874 sq m (68.43 acres) and Scenario after expansion - 2,72,979 sq m (67.47 area)
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** As per plan approval obtained from MIDC
	b) Non FSI area (sq. m.): As per plan approval obtained from MIDC
	c) Total BUA area (sq. m.): 490328
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** As per plan approval obtained from MIDC
	Approved Non FSI area (sq. m.): As per plan approval obtained from MIDC
	Date of Approval: 01-01-1900
19.Total ground coverage (m2)	76055
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	27.86
21.Estimated cost of the project	14350000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Block 1 (Office) - Existing	S1 + S2 + G + 5 Floors	29.10
2	Block 2 (Office) - Existing	S1 + S2 + G + 5 Floors	29.10
3	Block 3 (Office) - Existing	G + 10 Floors	41.25
4	Block 3 (MLCP 1) - Existing	G + 6 Floors	41.25
5	Block 4 (Office) - Proposed	9 Floors	38.55
6	Block 4 (MLCP 2) - Proposed	S1 + S2 + G + 3 Floors	38.55
7	Block 5 (Office) - Existing	LG + G + 8 Floors	37.50
8	Block 5 (MLCP 3) - Existing	LG + G + 5 Floors	37.50
9	Block 6 (Office) - Existing	G + 9 Floors	37.95
10	Block 7 (Office) - Proposed	S + G + 9 Floors	37.95
11	Block 8 (Office) - Proposed	S + G + 9 Floors	37.95
12	Block 9 (Office) - Proposed	G + 17 Floors	56.25
13	Block 10 (Office) - Proposed	G + 22 Floors	70.00
14	Block 11 (Office) - Existing	S + G + 7 Floors	33.15
15	MLCP 4 - Proposed	G + 6 Floors	29.70
16	MLCP 5 - Proposed	G + 10 Floors	29.70
17	Food Court - Existing	G + 2 Floors	13.5
18	Training center - Existing	G + 2 Floors	8.4

23.Number of tenants and shops	Occupancy Phase - 48,046 numbers after Modification and Expansion
24.Number of expected residents / users	Occupancy Phase - 48,046 numbers after Modification and Expansion
25.Tenant density per hectare	1778 numbers
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	20.0 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Provided as per MIDC Norms
29.Existing structure (s) if any	Presently 8 Office / MLCP buildings are in operation
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	IT Park	489815	513	490328

32.Total Water Requirement

Dry season:	Source of water	MIDC
	Fresh water (CMD):	973 KLD
	Recycled water - Flushing (CMD):	1202 KLD
	Recycled water - Gardening (CMD):	314 KLD
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	2175 KLD
	Fire fighting - Underground water tank(CMD):	Provided
	Fire fighting - Overhead water tank(CMD):	provided
	Excess treated water	442 KLD (AC Cooling tower make up)
Wet season:	Source of water	MIDC
	Fresh water (CMD):	Roof top water is collected and reused for domestic purposes
	Recycled water - Flushing (CMD):	Roof top water is reused
	Recycled water - Gardening (CMD):	Controlled watering (As and when required) will be done during rainy season
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	Not applicable
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
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	874 KLD	1301 KLD	2175 KLD	Not applicable	Not applicable	Not applicable	787 KLD	1171 KLD	1958 KLD

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	50 meters
	Size and no of RWH tank(s) and Quantity:	Rain water storage tanks are provided in the project
	Location of the RWH tank(s):	At basement level
	Quantity of recharge pits:	Not applicable
	Size of recharge pits :	Not applicable
	Budgetary allocation (Capital cost) :	Already implemented
	Budgetary allocation (O & M cost) :	Not applicable
	Details of UGT tanks if any :	Not applicable
35.Storm water drainage	**Natural water drainage pattern:**	Slopping pattern in the project is maintained
	Quantity of storm water:	Not applicable
	Size of SWD:	Not applicable
Sewage and Waste water	**Sewage generation in KLD:**	1958 KLD
	STP technology:	Extended Aeration Activated Sludge Process
	Capacity of STP (CMD):	Existing - Presently STps of 4 X 220 KLD and 1 X 400 KLD are in operation (Totaling 1280 KLD capacity) and Proposed - STPs of 220 KLD, 350 KLD and 410 KLD (Totaling 980 KLD) will be established for the blocks which are yet to be constructed.
	Location & area of the STP:	Not applicable
	Budgetary allocation (Capital cost):	8 Lakhs
	Budgetary allocation (O & M cost):	1 Lakhs
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	13.5 KLD
	Disposal of the construction waste debris:	Construction debris of about 150 cum generated will be used as preparatory materials for road formation activities within the project site.
Waste generation in the operation Phase:	**Dry waste:**	Total after expansion - 3796 Kg/day
	Wet waste:	Total after expansion - 5694 Kg/day
	Hazardous waste:	5000 Liters/ annum
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	814 kg/day
	Others if any:	Not applicable

Mode of Disposal of waste:	**Dry waste:**	The dry waste is sent for recycling.
	Wet waste:	Wet waste is treated through Vermi Composting Method and manure generated is used for landscape development within the project
	Hazardous waste:	Sent to re processor
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	used as organic manure for the development of plantations within the premises
	Others if any:	Not applicable
Area requirement:	**Location(s):**	Out side the building in designated area
	Area for the storage of waste & other material:	100 sq m
	Area for machinery:	20 sq m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	10 Lakhs
	O & M cost:	50,000

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	-	6 to 8	6.5 to 8.5	Conforms
2	BoD	mg/l	350 to 400	<10 mg/l	Conforms

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

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	used oil	5.1	Not applicable	2000 Liters/annum	3000 Liters/annum	5000 Liters/annum	Disposed through authorized re processor

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	8 no's X 1500 kVA DG Set - Existing	Diesel - 315 Liters /hr for each DG set	1	30 meters	80 mm	Not applicable
2	9 no's X1010 kVA DG Set - Existing	Diesel - 213 Liters/hr for each DG set	2	30 meters	80 mm	Not applicable
3	1 No. X 1110 kVA DG Set - Existing	Diesel - 234 lietrs/hr for each DG set	3	30 meters	80 mm	Not applicable
4	6 no's X 1500 kVA DG Set - Proposed	Diesel - 315 Liters/hr for each DG set	4	30 meters	80 mm	Not applicable

5	4 no's X 1010 kVA DG Set - Proposed	Diesel - 213 liters/hr for each DG set	5	30 meters	80 mm	Not applicable
6	3 no's X 1110 kVA DG Set - Proposed	Diesel - 234 Liters/hr for each DG set	6	30 meters	80 mm	Not applicable
7	4 Np's X 2000 kVA DG Set - Proposed	Diesel - 420 Liters/hr for each DG set	7	30 meters	80 mm	Not applicable

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel	4671 Liters/hr	5124 Liters/ hr	9795 Liters/hr
41.Source of Fuel		Near by outlet		
42.Mode of Transportation of fuel to site		Trucks		

43.Green Belt Development	**Total RG area :**	1,0,4,460 sq m
	No of trees to be cut :	None
	Number of trees to be planted :	Presently 5075 trees and 4200 trees palms and bamboos are planted at site.
	List of proposed native trees :	native and Indigenous trees species will be planted
	Timeline for completion of plantation :	already planted and also plantation will be taken up once the construction of proposed building is started.

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	Spathodia, Delnox regia, Casia fistula, Eruthrina indica, Filicium decipes, Jacaranda mimosifolia, Melia azardichta, Millingtonia hortensis, Mimusops elengill, Plerospermum acerifolium, Kadamba, Plumeria alba, Alistonia, Terminilia mantaly, Madhuka longifolia, Michelia champaka, Pongamia pinnata, Plumeria obtuse, Plumeria rubra, Saraca indica, Lagestronia indica, Bahunia purperia, Tabubia rosea, Cordia sabestina.	-	5075	native and Indigenous trees species will be planted
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 :**	MSEB
	During Construction Phase: (Demand Load)	500 kVA
	DG set as Power back-up during construction phase	1 no. X 500 kVA DG Set
	During Operation phase (Connected load):	50,000 kVA
	During Operation phase (Demand load):	50,000 kVA
	Transformer:	Installed in the project
	DG set as Power back-up during operation phase:	Existing - 8 X 1500 kVA, 9 X 1010 kVA and 1 X 1110 kVA capacity DG sets and Proposed - 6 X 1500 kVA, 4 X 1010 kVA, 3 X 1110 kVA and 4 X 2000 kVA capacity DG Sets are proposed to be added along with the DG sets which are in operation.
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	-

48.Energy saving by non-conventional method:

Solar Street light and lighting for common areas is proposed.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Energy saving measures viz., low loss energy, efficient transorners, LEDs, ballets, variable frequency drives for motors for low power consumption is used in the project.	-

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
DG Sets	Acoustic enclosures and adequate stack as per norms	Not applicableAcoustic enclosures and adequate stack as per norms

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	10 lakhs
	O & M cost:	2 Lakhs

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water environment	• Sprinkling to control fugitive dusts and Construction & curing purposes	Capital cost of 10 lakhs and recurring cost of 2 lakhs

2	Water environment	Sewage Treatment Plant for Operation Phase	Capital cost of 200 lakhs
3	Water environment	Potable water requirement for the construction workers	Capital cost of 3 lakhs and recurring cost of 1 lakh
4	Water environment	Temporary Storm Water Drains	Capital cost of 10 lakhs and recurring cost of 1 lakhs
5	Safety	Personal protection safety gadgets and health care	Capital cost of 2 lakhs and recurring cost of 1 lakhsCapital cost of 2 lakhs and recurring cost of 1 lakh
6	Safety	First aid facilities for workers	Capital cost of 2 lakhs and recurring cost of 1 lakh
7	Landscape development	Nurturing and planting of Saplings	Capital cost of 10 lakhs
8	Environmental Monitoring Plan	Air, Noise, Water and soil - Monitoring	Recurring cost of 2 lakhs

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Environmental Management Plan	Environmental Management Plan comprise of Operation of Sewage Treatment Plant, Rain water harvesting and Ground water recharging, DG sets acoustic & Maintenance, Landscape development, Solid waste management and Environmental Monitoring Plan	60.50	28.60

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:	On major juncation

Parking details:	**Number and area of basement:**	Existing buildings total stilt floor area: 7080 sq m
	Number and area of podia:	-
	Total Parking area:	About 10970 sq m including MLCP area of the existing buildings
	Area per car:	As per norms
	Area per car:	As per norms
	Number of 2-Wheelers as approved by competent authority:	As per norms - two wheeler parking spaces are earmarked at surface level
	Number of 4-Wheelers as approved by competent authority:	As per MIDC norms
	Public Transport:	Available and utlized
	Width of all Internal roads (m):	As per MIDC norms
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	B
	Court cases pending if any	NA
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	21-12-2018

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

PP had submitted application for prior Environmental clearance for total plot area of 2,72,979 m2, FSI area of 4,90,328.78 m2, Non FSI area of 3,29,625.96 m2 and total BUA of 8,19,954.74 m2.

The building configuration of the proposal is as below:

EC OBTAINED: IT Park consisting of 11 Office Building, 6 Multilevel Car Parking, 1 Food Court, 1 Training center and 2 utility and services (Totalling to 21 blocks).

AFTER EXPANSION: IT Park consisting of 11 Office Building, 5 Multilevel Car Parking, 1 Food Court, 1 Training center and 2 utilities & service blocks (Totaling to 20 blocks)

Building Configuration after Expansion and Modification:

Sl. No	Blocks	Built-up area (sq. m)	Configuration	Status
1	Block 1	29,302.37	S1 + S2 + G + 5 F	Under Operation
2	Block 2	29,242.07	S1 + S2 + G + 5 F	
3	Block 3 with MLCP 1	47,226.93	G + 10 F	
		37,814.02	G + 6 F	
4	Block 4 with MLCP 2	85,691.17	S1 + S2 + G + 12 F	Proposed
5	Block 5 with MLCP 3	45,165.45	LG + G + 8 F	Under Operation
		29,129.41	LG + G + 5F	
6	Block 6	30,661.95	G + 9F	
7	Block 7 & 8	81,970.95	S + G + 10 F	Proposed
9	Block 9	1,16,640.70	5 Podium + 14 F	
10	Block 10	1,45,934.96	5 Podium + 12 F	
11	Block 11	33,591.52	B + 7F	Under Operation
12	MLCP – 4	36,057.18	B + 7F	Proposed
13	MLCP – 5	63,151.25	G + 14 F	
14	Food Court	4,326.93	G + 2F	Under Operation
15	Training Centre	3,728.97	G + 1F	
16	HSD yard	156.04	Underground	Proposed
17	Garbage & OWC	343.07	Ground	Proposed
18	Total 18 Blocks	8,19,954.74	-	8 under operation 10 Proposed

Components approved and components constructed as per earlier EC and proposed development:

Sl. No.	Buildings approved as per EC	Buildings Constructed as per EC
1	Block 1 & 2	Constructed
2	Block 3 with MLCP 1	Constructed
3	Block 4 with MLCP 2	Proposed
4	Block 5 with MLCP 3	Constructed
5	Block 6	Constructed
6	Block 7, 8, 9 & 10	Proposed
7	Block 11	Constructed
8	MLCP – 4 & 5	Proposed
9	Food Court	Constructed
10	Training Centre	Constructed
11	HSD yard, Garbage & OWC	Proposed

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

During discussion following points emerged:

1. PP agreed to install air monitoring station on site during construction as well as operation phase for ambient air quality monitoring. PP to revise CER plan for Rs. 65 Lakh by using 35 Lakh for dialysis centre in Govt. Hospital, 15 Lakh for RWH and 15 Lakh for solar electrical system for municipal schools.

2. PP to obtain and submit following NOC's: a) CFO NOC, b)Water supply NOC with quantity, c) Drainage NOC, d) Non-biodegradable waste disposal.

3. PP to ensure controlling growth / population of Subabhul tree (410 species) on site.

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

Specific Conditions by SEAC:

SEIAA DECISION

Deliberation in SEIAA-

During the meeting, it was observed that, there is a application filed in Hon. NGT against the Project Proponent (Original Application No. 31/2020 (WZ) wherein the Hon. NGT has passed the following order dated 14.08.2020- *"In the meantime, we deem it just and proper to constitute a Committee consisting (i) District Collector, Pune, (ii) State Environment Impact Assessment Authority (SEIAA) and (iii) Maharashtra Pollution Control Board (MPCB) and to direct to visit and submit a factual and action taken report within six weeks. MPCB will be the nodal agency for compliance."*

SEIAA Decision-

In the view of above, SEIAA after deliberation decided to defer the proposal till the outcome of abovementioned NGT case.

Specific Conditions by SEIAA:

FINAL RECOMMENDATION

SEIAA have decided to defer the proposal.Kindly find SEIAA decision above.

208th Meeting of SEIAA

SEIAA Meeting number: 208 **Meeting Date** September 14, 2020

Subject: Environment Clearance for Environmental Clearance for proposed Residential & Commercial development "Ganga Arcadia" at Kharadi Pune

Is a Violation Case: Yes

1.Name of Project	Residential & Commercial project “Ganga Arcadia” by M/s. Goel Ganga India Pvt. Ltd
2.Type of institution	Private
3.Name of Project Proponent	Shri Atul Goel - M/s. Goel Ganga India Pvt Ltd
4.Name of Consultant	Mahabal Enviro Engineers Pvt. Ltd.
5.Type of project	Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Plot A , S.no. 22/2 (P) at Kharadi , Pune
9.Taluka	Haveli
10.Village	Kharadi
Correspondence Name:	M/s. Goel Ganga India Pvt ltd.
Room Number:	-
Floor:	3rd floor
Building Name:	San Mahu Commercial complex
Road/Street Name:	5 Bund Garden Road , Opp. Poona Club Camp, Pune I
Locality:	Pune
City:	Pune
11.Whether in Corporation / Municipal / other area	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Sanction Plan Approved by Pune Municipal Corporation
	IOD/IOA/Concession/Plan Approval Number: CC/2080/15 dated 06.10.2015
	Approved Built-up Area: 10873
13.Note on the initiated work (If applicable)	Building B & C completed as per sanction received from Pune Municipal Corporation vide no. CC/2080/15 dated 06.10.2015
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	11,432 m2
16.Deductions	2,860 m2
17.Net Plot area	8,571 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 18,217 m2
	b) Non FSI area (sq. m.): 19,758 m2
	c) Total BUA area (sq. m.): 37975
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 10873 m2
	Approved Non FSI area (sq. m.): NA
	Date of Approval: 06-10-2015
19.Total ground coverage (m2)	4,043
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	47 %
21.Estimated cost of the project	974400000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building A	B+G+11	35.95
2	Building B	B+G+8	29.89
3	Building C	B+G+4	16.87
4	Commercial	Total 68 nos of shop (A building -16 nos. proposed; B building- 24 nos. & C building 28 nos. Existing)	-
5	Club House	G+1	7.05

23.Number of tenants and shops	Tenements- 232 nos. & Shops- 68 nos.
24.Number of expected residents / users	Residential - 1,160 nos. & Commercial -204 nos.- Total Population- 1,364 nos.
25.Tenant density per hectare	250/Ha.
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	30 m & 45 m wide road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	1. B building completed- Completion certificate received from PMC for 24 shops & 84 flats vide no. OCC/0637/15 dated 21.08.2015 & for 12 flats vide no. OCC/0980/15 dated 31.10.2015. 2. C building Occupancy certificate received vide no. OCC/0683/17 dated 28.06.2017
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):	109 m3/day
	Recycled water - Flushing (CMD):	58 m3/day
	Recycled water - Gardening (CMD):	6 m3/day
	Swimming pool make up (Cum):	1 m3
	Total Water Requirement (CMD) :	167 m3/day
	Fire fighting - Underground water tank(CMD):	200 m3
	Fire fighting - Overhead water tank(CMD):	A building - 128 m3, B building - 124 m3 & C building - 48 m3
	Excess treated water	86 m3/day
Wet season:	**Source of water**	Pune Municipal corporation
	Fresh water (CMD):	109 m3/day
	Recycled water - Flushing (CMD):	58 m3/day
	Recycled water - Gardening (CMD):	3 m3/day
	Swimming pool make up (Cum):	1 m3
	Total Water Requirement (CMD) :	167 m3/day
	Fire fighting - Underground water tank(CMD):	200 m3
	Fire fighting - Overhead water tank(CMD):	A building - 128 m3, B building - 124 m3 & C building - 48 m3
	Excess treated water	89 m3/day
Details of Swimming pool (If any)	Swimming pool of size - 6 m x 12 m x 1.3 m Make up water requirement - 1 m3	

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:**	Pre monsoon-7 m , Post monsoon-6 m average
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	6 nos.of recharge pits
	Size of recharge pits :	1.3 m. X 2.5 m depth
	Budgetary allocation (Capital cost) :	Rs. 2 Lakh
	Budgetary allocation (O & M cost) :	Rs. 1 Lakh
	Details of UGT tanks if any :	UGT (Existing)- 1. Drinking water-19 m3 2. Utility for commercial – 37 m3 3. Utility for residential -150 m3 4. Fire water tank - 200 m3 5. Flushing water tank – 70 m3 UGT (Proposed)- 1. Drinking water-19 m3 2. Utility water tank- 164 m3 3. Fire water tank – 200 m3 4. Flushing water tank – 95 m3
35.Storm water drainage	**Natural water drainage pattern:**	As per contour
	Quantity of storm water:	0.23 m3/sec
	Size of SWD:	450 mm line with perforated chambers 600 mm x 600 mm
Sewage and Waste water	**Sewage generation in KLD:**	150 m3/day
	STP technology:	MBBR
	Capacity of STP (CMD):	1 no. and capacity are 160 m3/day
	Location & area of the STP:	STP 1: 160 m3/day is Near amenity area with area 307 m2
	Budgetary allocation (Capital cost):	Rs. 40 Lakh
	Budgetary allocation (O & M cost):	Rs. 10 Lakh
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	15,511 m3 excavation quantity
	Disposal of the construction waste debris:	Will be used for levelling & backfilling work at site.
Waste generation in the operation Phase:	**Dry waste:**	263 kg/day
	Wet waste:	368 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	1 kg/day
	Others if any:	E waste 2 kg/day

Mode of Disposal of waste:	**Dry waste:**	Handed over to authorized recycler for further handling and purpose
	Wet waste:	Through Vermicomposting pits & OWC machine. Generated manure will be used for gardening
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be used as manure for gardening purpose
	Others if any:	Handed over to authorized recyclers for further treatment.
Area requirement:	**Location(s):**	Near B Building and C Building
	Area for the storage of waste & other material:	12 m2
	Area for machinery:	36 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 15 Lakh
	O & M cost:	Rs. 3 Lakh

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 :**	1,143 m2
	No of trees to be cut :	NA
	Number of trees to be planted :	108 nos. proposed
	List of proposed native trees :	Provided
	Timeline for completion of plantation :	6 to 9 months after completion of Civil Works

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadirachta indica	Neem	14	Good for road side plantation & provide shade.
2	Bauhinia racemosa	Apata	18	Drought resistance, good air purifier and have medicinal properties.
3	Cassia Fistula	Bahava	14	Have medicinal properties and larval host for butterflies
4	Lagerstroemia Flos-reginae	Tamhan	52	Good as a avenue tree good for group planting around water garden & ponds.
5	Michelia champaka	Son chapha	10	Butterfly-host plant
6	Total	-	108	-
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	30 kW
	DG set as Power back-up during construction phase	1 nos. x 40 kVA
	During Operation phase (Connected load):	1,865 kVA
	During Operation phase (Demand load):	1,658 kVA
	Transformer:	3 nos. x 630 kVA
	DG set as Power back-up during operation phase:	1 no. x 160 kVA, stack height 6.53 m
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

1. LED Lamps in Common area ,
2. Solar Hot Water System.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Overall energy saving	19 %

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. 40 Lakh
	O & M cost:	Rs. 1 Lakh

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water for dust suppression	Rs. 2 Lakh
2	Site Sanitation& Safety	Sanitation Disinfection & Health check up	Rs. 6 Lakh
3	Environmental Monitoring	Environmental Monitoring	Rs. 3 Lakh
4	Disinfection	Anti-termite treatment	Rs. 2 Lakh
5	Health Check up	Safety parameters	Rs. 2 Lakh
6	Total	-	Rs.15 Lakh

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment plant	1 no. of STP having total Capacity 160 m3/day	Rs. 40 Lakh	Rs. 10 Lakh
2	Vermicomposting Pit	3 unites for A, B & C building and OWC machine	Rs. 15 Lakh	Rs. 3 Lakh
3	Landscape	Tree Plantation & Landscaping	Rs. 4 Lakh	Rs. 1 Lakh
4	Environmental Monitoring	Monitoring and analysis of Air and Noise, water, soil etc.	MoEF Approved Laboratory	Rs. 3 Lakh
5	Energy Conservation	Solar street lighting	Rs. 40 Lakh	Rs. 1 Lakh
6	Rain Water Harvesting	6 no. of recharge pits	Rs. 2 Lakh	Rs. 1 Lakh
7	Laying of storm & Sewer line up to final disposal point	Laying of storm & Sewer line up to final disposal point	Rs. 12 Lakh	Rs. 1 Lakh
8	Total	-	Rs. 113 Lakh	Rs. 20 Lakh

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1 No.

Parking details:	**Number and area of basement:**	1. A building- 1 no., Area- 1,567 m2, 2. B building-1 no., area- 2,185 m2, 3. C building- 1 no. area- 1,084 m2; Total basement area- 4,834 m2
	Number and area of podia:	NA
	Total Parking area:	6,923 m2
	Area per car:	35 m2 for Basement & 30 m2 for Covered parking
	Area per car:	35 m2 for Basement & 30 m2 for Covered parking
	Number of 2-Wheelers as approved by competent authority:	656 nos. of scooters & 528 nos. of cycles
	Number of 4-Wheelers as approved by competent authority:	180 nos.
	Public Transport:	NA
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8(a), B2
	Court cases pending if any	Court Cases details- 1. District court, Pune- Case no.627/2013 2. District court, Pune- Case no.674/2017 3. Additional collector, Pune- RTS appeal- 2/A/298/2018 4. PMC court- 1191/2017 All the above-mentioned cases are not pertaining to environment
	Other Relevant Informations	We are applying for Residential and Commercial project under schedule 8(a) B2 category. We have received sanction from Pune Municipal Corporation for building B & C. Building A is proposed. Now we are applying for EC considered A, B & C building. We have submitted application to MoEF having proposal no. IA/MH/NCP/67813/2017 dated 01.09.2017 under the violation cases as per MoEF notification dated 14.03.2017
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	01-09-2017

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

PP submitted their application for prior Environmental clearance for total plot area of 11432 m2, FSI area of 18217 m2, Non FSI area of 19758 m2 and total BUA of 37975 m2.

DECISION OF SEAC

The case was discussed on the basis of the documents submitted and presentation made by the proponent. The Committee also referred the legal opinion of Advocate General, GoM regarding processing the application in light of Judgment by Hon'ble Supreme Court dt. 10.08.2018 in Civil Appeal No. 10854 of 2016.

In view of aforesaid legal opinion, the Committee decided to ***recommend rejection*** of the proposal for grant of environmental clearance.

Specific Conditions by SEAC:

SEIAA DECISION

Deferred for additional information.

Specific Conditions by SEIAA:

FINAL RECOMMENDATION

SEIAA have decided to defer the proposal.Kindly find SEIAA decision above.

208th Meeting of SEIAA

SEIAA Meeting number: 208 **Meeting Date** September 14, 2020

Subject: Environment Clearance for Hospital Component in Educational Campus

Is a Violation Case: Yes

1.Name of Project	M.M. Patel Public Charitable Trusts, Ashwini Rural Medical College, Hospital & Research Centre, Kumbhari, Solapur.
2.Type of institution	TOR
3.Name of Project Proponent	M.M. Patel Public Charitable Trusts
4.Name of Consultant	Ultra-Tech, Thane
5.Type of project	Hospital Project in Educational Campus
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	Gat No. 261-262(1-7) At Akkalkot Road, Kumbhari.
9.Taluka	Solapur
10.Village	Kumbhari
Correspondence Name:	M.M. Patel Public Charitable Trusts
Room Number:	Gat No. 261-262(1-7) At Akkalkot Road, Kumbhari.
Floor:	-
Building Name:	-
Road/Street Name:	Akkalkot Road
Locality:	-
City:	Solapur
11.Whether in Corporation / Municipal / other area	Gram Panchayat Kumbhari
12.IOD/IOA/Concession/Plan Approval Number	Building Permission obtained from local body (Gram Panchayat Kumbhari) Dated 21/05/2011 . Now Applied for Building permission from Town Planning, Solapur with builtup area 67,667.91m2 fir entire project. Out of which Hospital Component is 26,951.22Sq.m
	IOD/IOA/Concession/Plan Approval Number: Building Permission obtained from local body (Gram Panchayat Kumbhari) Dated 21/05/2011 Now Applied for Building permission from Town Planning, Solapur with builtup area 67,667.91m2 fir entire project. Out of which Hospital Component is 26,951.22Sq.m Hospital Building = 26,951.22Sq.m Building Permission obtained from local body (Gram Panchayat Kumbhari) Dated 21/05/2011 Earlier Consent to Operate was obtained from MPCB vide BO/CAC-Cell/CCA/CAC-177001171 dated 27.07.2017 Valid upto 31.05.2019 for Hospital of bed 500 nos. and Total Construction BUA (part) of 17,355 sq.m. (BUA was below 20,000 sq.m. i.e. 17,355 sq.m)
	Approved Built-up Area: 26951.22
13.Note on the initiated work (If applicable)	Building Permission obtained from local body (Gram Panchayat Kumbhari) Dated 21/05/2011 Earlier Consent to Operate was obtained from MPCB vide BO/CAC-Cell/CCA/CAC-177001171 dated 27.07.2017 Valid upto 31.05.2019 for Hospital of bed 500 nos. and Total Construction BUA (part) of 17,355 sq.m. (BUA was below 20,000 sq.m. i.e. 17,355 sq.m)
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Building Permission obtained from local body (Gram Panchayat Kumbhari) Dated 21/05/2011 Now Applied for Building permission from Town Planning, Solapur with builtup area 67,667.91m2 fir entire project. Out of which Hospital Component is 26,951.22Sq.m
15.Total Plot Area (sq. m.)	110100 Sq.m
16.Deductions	16858.69 Sq.m
17.Net Plot area	93241.31 Sq.m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 26,951.22Sq.m
	b) Non FSI area (sq. m.): -
	c) Total BUA area (sq. m.): 26951.22

18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 26951.22
	Approved Non FSI area (sq. m.): -
	Date of Approval: 21-05-2011
19.Total ground coverage (m2)	7510.88
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	8.05 % of plot area
21.Estimated cost of the project	486800000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Hospital (560 beds)	04	15

23.Number of tenants and shops	560 beds
24.Number of expected residents / users	Patients -550, staff - 275 visitors - 550
25.Tenant density per hectare	Not applicable
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	24m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9m
29.Existing structure (s) if any	Existing Hospital Building already constructed
30.Details of the demolition with disposal (If applicable)	No demolition involved.

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**	Through tanker & Bore well
	Fresh water (CMD):	268 (Domestic + Flushing)
	Recycled water - Flushing (CMD):	Nil
	Recycled water - Gardening (CMD):	103 (On RG area of 7,900 sq.m. and Open play ground area of 37,195 sq.m.)
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	371
	Fire fighting - Underground water tank(CMD):	600 M3 capacity.
	Fire fighting - Overhead water tank(CMD):	100 M3 capacity
	Excess treated water	125
Wet season:	**Source of water**	Through tanker & Bore well
	Fresh water (CMD):	268 (Domestic + Flushing)
	Recycled water - Flushing (CMD):	Nil
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	268
	Fire fighting - Underground water tank(CMD):	600 M3 capacity.
	Fire fighting - Overhead water tank(CMD):	100 M3 capacity
	Excess treated water	228
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Fresh water requirement	182	00	182	18	0	18	164	0	164
Domestic	87	0	87	9	0	9	78	0	78
Gardening	103	0	103	103	0	103	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	150 to 200 mtrs below ground
	Size and no of RWH tank(s) and Quantity:	Nil
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	1 borewell with recharge pit is provided with recharge pit.
	Size of recharge pits :	3 m x 3 m
	Budgetary allocation (Capital cost) :	Rs. 5 Lacs
	Budgetary allocation (O & M cost) :	Rs. 0.5 Lacs/year
	Details of UGT tanks if any :	Domestic 700 me
35.Storm water drainage	**Natural water drainage pattern:**	1 no. of natural nalla is passing through the project premises. Site sloping from North to South.
	Quantity of storm water:	0.58 Cum/sec
	Size of SWD:	Depth 0.9 mtrs and Width 1.52 mtrs
Sewage and Waste water	**Sewage generation in KLD:**	241
	STP technology:	MMBR
	Capacity of STP (CMD):	1 no. 400 KLD *(Common for educational institute and hospital)
	Location & area of the STP:	as per plan
	Budgetary allocation (Capital cost):	60 lakh
	Budgetary allocation (O & M cost):	7 lakh
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	nil
	Disposal of the construction waste debris:	not any
Waste generation in the operation Phase:	**Dry waste:**	150 kg/day
	Wet waste:	250 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	138 kg/day
	STP Sludge (Dry sludge):	36 kg/day
	Others if any:	-

Mode of Disposal of waste:	**Dry waste:**	handed over to local body or is segregated and disposed off to recycler
	Wet waste:	vermicomposting
	Hazardous waste:	-
	Biomedical waste (If applicable):	handed over to CBMWTSDF
	STP Sludge (Dry sludge):	used as manure
	Others if any:	-
Area requirement:	**Location(s):**	ground
	Area for the storage of waste & other material:	60 sqm
	Area for machinery:	included in above
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	8 lakh
	O & M cost:	3 lakh/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):	2
Capacity of the ETP:	2
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	Primary treatment
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	500 kVA DG	HSD @0.21 l/hr	1	4.4 m above ground	0.15	400 C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	0.21 l/hr	Not applicable	0.21 l/hr

41.Source of Fuel	through vendor
42.Mode of Transportation of fuel to site	by road

43.Green Belt Development	**Total RG area :**	7900 sqm + open play ground area 37195 sqm
	No of trees to be cut :	NA
	Number of trees to be planted :	1165
	List of proposed native trees :	as given below
	Timeline for completion of plantation :	one 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	Polyalthia lomgifolia	ashoka	540	evergreen long leaf tree
2	Phylanthus officinalis	Awala	400	medicinal fruit bearing
3	Bouganvillea spectabilis	Kagadi phool	100	ornamental tree attracting bees
4	Syzigium cummini	Jambhul	200	Fruit bearing medicinal 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	tagar	2 feet	200
2	Hibiscus	2 feet	300
3	champak	2 feet	250

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	--
	DG set as Power back-up during construction phase	--
	During Operation phase (Connected load):	430 kVA
	During Operation phase (Demand load):	430 kVA
	Transformer:	500 kVA
	DG set as Power back-up during operation phase:	500kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Solar water heater

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	solar water heater	10%

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
STP	installed STP of capacity 400 CMD	Not applicable
Vermicomposting	Already operational	Not applicable
DG Set	Provided acaustic enclosure	Not applicable

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

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Waste water	STP	60	7
2	storm water	RWH	5	0.5
3	Solid waste	vermicomposting	8	3
4	BMW	handed over	--	3
5	landscape	RG area	15	2
6	environment monitoring	as per CPCB guidelines	--	1

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	9089 sqm
	Area per car:	12.5 m excluding driveway
	Area per car:	12.5 m excluding driveway
	Number of 2-Wheelers as approved by competent authority:	1434
	Number of 4-Wheelers as approved by competent authority:	298
	Public Transport:	Local buses
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8 (a)
	Court cases pending if any	NA
	Other Relevant Informations	Earlier Consent to Operate was obtained from MPCB vide BO/CAC-Cell/CCA/CAC-177001171 dated 27.07.2017 Valid upto 31.05.2019 for Hospital of bed 500 nos. and Total Construction BUA (part) of 17,355 sq.m. (BUA was below 20,000 sq.m. i.e. 17,355 sq.m)
	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
2. Type of institution	TOR	Private
4. Name of Consultant	Ultra-Tech, Thane	ULTRA TECH, NABET/EIA/1720/RA0094

12. IOD/IOA/Concession/Plan Approval Number	Building Permission obtained from local body (Gram Panchayat Kumbhari) Dated 21/05/2011. Now Applied for Building permission from Town Planning, Solapur with built-up area 67,667.91m2 fir entire project. Out of which Hospital Component is 26,951.22Sq.m	Building Permission obtained from local body (Gram Panchayat Kumbhari) Dated 21/05/2011. Now Applied for Building permission from Town Planning, Solapur with built-up area 67,667.91m2 for entire project. Out of which Hospital Component is 30,381.85 Sq.m
12. IOD/IOA/Concession/Plan Approval Number	IOD/IOA/Concession/Plan Approval Number: Building Permission obtained from local body (Gram Panchayat Kumbhari) Dated 21/05/2011 Now Applied for Building permission from Town Planning, Solapur with built-up area 67,667.91m2 fir entire project. Out of which Hospital Component is 26,951.22Sq.m Hospital Building = 26,951.22Sq.m Building Permission obtained from local body (Gram Panchayat Kumbhari) Dated 21/05/2011 Earlier Consent to Operate was obtained from MPCB vide BO/CAC-Cell/CCA/CAC-177001171 dated 27.07.2017 Valid up to 31.05.2019 for Hospital of bed 500 nos. and Total Construction BUA (part) of 17,355 sq.m. (BUA was below 20,000 sq.m. i.e. 17,355 sq.m)	IOD/IOA/Concession/Plan Approval Number: Building Permission obtained from local body (Gram Panchayat Kumbhari) Dated 21/05/2011. Now Applied for Building permission from Town Planning, Solapur with built-up area 67,667.91m2 for entire project. Earlier Consent to Operate was obtained from MPCB vide BO/CAC-Cell/CCA/CAC-177001171 dated 27.07.2017. For Hospital of bed 300 nos. and Total Construction BUA (part) of 17,355 sq.m. (BUA was below 20,000 sq.m. i.e. 17,355 sq.m)
14. LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Building Permission obtained from local body (Gram Panchayat Kumbhari) Dated 21/05/2011 Now Applied for Building permission from Town Planning, Solapur with built-up area 67,667.91m2 fir entire project. Out of which Hospital Component is 26,951.22Sq.m	Not applicable
18 (a) Proposed Built-up Area (FSI & Non-FSI)	Non FSI area (sq. m.): - , Total BUA area (sq. m.): 26951.22	Non FSI area (sq. m.): 3,430.63, Total BUA area (sq. m.): 30,381.85
18(b) Approved Built up area as per DCR	Approved FSI area (sq. m.): 26951.22, Approved Non FSI area (sq. m.): -	Approved FSI area (sq. m.): 26,951.22, Approved Non FSI area (sq. m.): 3,430.63
22.Number of buildings & its configuration	Serial number - 1, Building Name - Hospital (560 beds), No. of Floors - 04, Height of the building (Mtrs) - 15	Serial number - 1, Building Name - Hospital (560 beds), No. of Floors - G+4, Height of the building (Mtrs)- 15
29. Existing structure (s) if any	Existing Hospital Building already constructed	Ashwini Rural Medical College, Hospital & Research Centre - Hospital Component in Educational Campus of built up area 30,381.85 m2 had already been constructed.
34. Rain Water Harvesting (RWH) - Quantity of recharge pits:	1 bore well with recharge pit is provided with recharge pit.	2 no. of recharge pits
44. Green Belt Development - Number of trees to be planted :	1165	1026 Nos.
45. Number and list of trees species to be planted in the ground	Botanical Name - Polyalthia lomgifolia, Common Name - Ashoka, Characteristics & Ecological Importance - Evergreen long leaf tree, Quantity - 540 nos.	Botanical Name - Vachellia nilotica, Common Name - Babul, Characteristics & Ecological Importance - Medicinal use, Quantity - 15 nos.
45. Number and list of trees species to be planted in the ground	Botanical Name - Phylanthus officinalis, Common Name - Awala, Characteristics & Ecological Importance - medicinal fruit bearing, Quantity - 400 nos.	Botanical Name - Peltophorum pterocarpum, Common Name - Copper pod, Characteristics & Ecological Importance - Evergreen Tree, Ornamental value, medicinal & agroforestry use, Quantity - 185 nos.
45. Number and list of trees species to be planted in the ground	Botanical Name - Bouganvillea spectabilis, Common Name - Kagadi phool, Characteristics & Ecological Importance - ornamental tree attracting bees, Quantity - 100 nos.	Botanical Name - Alstonia scholaris, Common Name - Saptparni, Characteristics & Ecological Importance - Medicinal use, anti-bacterial properties, Quantity - 225 nos.

45. Number and list of trees species to be planted in the ground	Botanical Name - Syzigium cummini, Common Name - Jambhul, Characteristics & Ecological Importance - Fruit bearing medicinal tree, Quantity - 200 nos.	Botanical Name - Delonix regia, Common Name - Gulmohar, Characteristics & Ecological Importance - Native trees and ornamental value, Quantity - 100 nos.
45. Number and list of trees species to be planted in the ground	Botanical Name - -, Common Name - -, Characteristics & Ecological Importance - -, Quantity - -.	Botanical Name - Ficus benjamina, Common Name - Weeping fig, Characteristics & Ecological Importance - Medicinal & agroforestry use, Quantity - 50 nos.
45. Number and list of trees species to be planted in the ground	Botanical Name - -, Common Name - -, Characteristics & Ecological Importance - -, Quantity - -.	Botanical Name - Azadirachta indica, Common Name - Kadu Neem, Characteristics & Ecological Importance - Drought resistance, anti-desertification properties and medicinal use, Quantity - 230 nos.
45. Number and list of trees species to be planted in the ground	Botanical Name - -, Common Name - -, Characteristics & Ecological Importance - -, Quantity - -.	Botanical Name - Ficus racemosa, Common Name - Audumber, Characteristics & Ecological Importance - medicinal use, Quantity - 05 nos.
45. Number and list of trees species to be planted in the ground	Botanical Name - -, Common Name - -, Characteristics & Ecological Importance - -, Quantity - -.	Botanical Name - Ficus religiosa, Common Name - Pipal, Characteristics & Ecological Importance - Tree with wide-spreading crown (Shade tree), Medicinal Use, Quantity - 01 nos.
45. Number and list of trees species to be planted in the ground	Botanical Name - -, Common Name - -, Characteristics & Ecological Importance - -, Quantity - -.	Botanical Name - Ficus benghalensis, Common Name - Banyan tree, Characteristics & Ecological Importance - Shade tree, medicinal use & cultural importance, Quantity - 09 nos.
45. Number and list of trees species to be planted in the ground	Botanical Name - -, Common Name - -, Characteristics & Ecological Importance - -, Quantity - -.	Botanical Name - Cocos nucifera, Common Name - Coconut, Characteristics & Ecological Importance - Medicinal value & edible fruit, Quantity - 04 nos.
45. Number and list of trees species to be planted in the ground	Botanical Name - -, Common Name - -, Characteristics & Ecological Importance - -, Quantity - -.	Botanical Name - Saraca asoca, Common Name - Ashoka, Characteristics & Ecological Importance - Health benefits and native tree, Quantity - 50 nos.
45. Number and list of trees species to be planted in the ground	Botanical Name - -, Common Name - -, Characteristics & Ecological Importance - -, Quantity - -.	Botanical Name - Spathodea campanulata, Common Name - Pechkari flame, Characteristics & Ecological Importance - Ornamental value & medicinal value, Quantity - 38 nos.
45. Number and list of trees species to be planted in the ground	Botanical Name - -, Common Name - -, Characteristics & Ecological Importance - -, Quantity - -.	Botanical Name - Mangifera indica, Common Name - Mango, Characteristics & Ecological Importance - Evergreen & fruit bearing tree; and medicinal use, Quantity - 07 nos.
45. Number and list of trees species to be planted in the ground	Botanical Name - -, Common Name - -, Characteristics & Ecological Importance - -, Quantity - -.	Botanical Name - Michelia champaca, Common Name - Son chafa, Characteristics & Ecological Importance - Evergreen tree, has commercial value & possesses various pharmacological activities like anti-microbial, anti-oxidant, anti-diabetic, anti-ulcer, Quantity - 20 nos.
45. Number and list of trees species to be planted in the ground	Botanical Name - -, Common Name - -, Characteristics & Ecological Importance - -, Quantity - -.	Botanical Name - Samanea saman, Common Name - Rain tree, Characteristics & Ecological Importance - Shade tree, cultivated for its timber and as food, medicine, and gums among others, Quantity - 60 nos.
45. Number and list of trees species to be planted in the ground	Botanical Name - -, Common Name - -, Characteristics & Ecological Importance - -, Quantity - -.	Botanical Name - Dalbergia sissoo, Common Name - Shisham, Characteristics & Ecological Importance - Used as firewood, timber, poles, posts, tool handles, fodder, erosion control and as a windbreak. Oil is extracted from the seed and tannin from the bark, Quantity - 10 nos.

45. Number and list of trees species to be planted in the ground	Botanical Name - -, Common Name - -, Characteristics & Ecological Importance - -, Quantity - -.	Botanical Name - Pongamia glabra, Common Name - Karanj, Characteristics & Ecological Importance - Shade tree. Multipurpose tree - particularly valued for its oil & also supplies dyestuff, wood, fuel, insect repellent, medicines and various other commodities, Quantity - 06 nos.
45. Number and list of trees species to be planted in the ground	Botanical Name - -, Common Name - -, Characteristics & Ecological Importance - -, Quantity - -.	Botanical Name - Anthocephallus cadamba, Common Name - Kadam, Characteristics & Ecological Importance - medicinal use, Quantity - 01 nos.
45. Number and list of trees species to be planted in the ground	Botanical Name - -, Common Name - -, Characteristics & Ecological Importance - -, Quantity - -.	Botanical Name - Hyophorbe lagenicaulis, Common Name - Bottle palm, Characteristics & Ecological Importance - Ornamental Use, Quantity - 10 nos.
47.Number and list of shrubs and bushes species to be planted in the podium RG:	Name - tagar, C/C Distance - 2 feet, Area m2 - 200	Name - Alpinia purpurata, C/C Distance - 3420 feet, Area m2 --
47.Number and list of shrubs and bushes species to be planted in the podium RG:	Name - Hibiscus, C/C Distance - 2 feet, Area m2 - 300	Name - Ixora coccinea, C/C Distance - 3420 feet, Area m2 --
47.Number and list of shrubs and bushes species to be planted in the podium RG:	Name - champak, C/C Distance - 2 feet, Area m2 - 250	Name - Schefflera arboricola, C/C Distance - 3518 feet, Area m2 --
47.Number and list of shrubs and bushes species to be planted in the podium RG:	Name - -, C/C Distance - -, Area m2 --	Name - Acalypha wilkesiana, C/C Distance - 5342 feet, Area m2 --
47.Number and list of shrubs and bushes species to be planted in the podium RG:	Name - -, C/C Distance - -, Area m2 --	Name - Allamanda cathartica, C/C Distance - 3000 feet, Area m2 --
47.Number and list of shrubs and bushes species to be planted in the podium RG:	Name - -, C/C Distance - -, Area m2 --	Name - Duranta erecta, C/C Distance - 3000 feet, Area m2 --
47.Number and list of shrubs and bushes species to be planted in the podium RG:	Name - -, C/C Distance - -, Area m2 --	Name - Tabernaemontana divaricata, C/C Distance - 1600 feet, Area m2 --
47.Number and list of shrubs and bushes species to be planted in the podium RG:	Name - -, C/C Distance - -, Area m2 --	Name - Alpinia variegta, C/C Distance - 3400 feet, Area m2 --
47.Number and list of shrubs and bushes species to be planted in the podium RG:	Name - -, C/C Distance - -, Area m2 --	Name - Alocasia cucullata, C/C Distance - 1200 feet, Area m2 --
47.Number and list of shrubs and bushes species to be planted in the podium RG:	Name - -, C/C Distance - -, Area m2 --	Name - Rhapis excelsa,, C/C Distance - 2645 feet, Area m2 --
47.Number and list of shrubs and bushes species to be planted in the podium RG:	-	Shrubs and bushes species had been planted on the ground(virgin land).

52.Environmental Management plan Budgetary Allocation - b) Operation Phase (with Break-up):	-	Serial Number - 7, Component - RO Unit, Description - Cost of RO Units, Capital cost Rs. In Lacs - 06, Operational and Maintenance cost (Rs. in Lacs/yr) - 0.2
52.Environmental Management plan Budgetary Allocation - b) Operation Phase (with Break-up):	-	Serial Number - 8, Component - Total, Description - -, Capital cost Rs. In Lacs - 94, Operational and Maintenance cost (Rs. in Lacs/yr) - 16.7

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

PP had submitted application for prior Environmental clearance for total plot area of 1,10,100 m2, FSI area of 26,951.22 m2, Non FSI area of 3,430.63 m2 and total BUA of 30,381.85 m2.

The building configuration of the proposal is: Hospital : - Ground + 4 (Height 15 m)

PP has applied as per the MoEF&CC Notification dated 14/03/2017 and 8/03/2018.

PP was issued Terms of Reference for undertaking Environment Impact Assessment (EIA) and preparation of Environment Management Plan (EMP). Accordingly, PP has submitted Environment Impact Assessment (EIA) and Environment Management Plan (EMP).

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

DECISION OF SEAC

During discussion following points emerged:

1. PP to submit test reports of vermicomposting facility

2. PP to incorporate pre-oxidation system in STP.

3. The committee noted that Cost of remediation plan and natural & community resource augmentation plan as per revised approach paper is estimated as Rs. 1.19 Cr. The Committee also noted that the amount of CER as per MoEF & CC circular dated 1/05/2018 is Rs. 19.58 Lakh which is less than the remediation / augmentation plan. Therefore committee decided to obtain Bank Guarantee of Rs 1.19 Cr for the project completion period.

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

Specific Conditions by SEAC:

SEIAA DECISION

Deferred for additional information.

Specific Conditions by SEIAA:

FINAL RECOMMENDATION

SEIAA have decided to defer the proposal.Kindly find SEIAA decision above.

208th Meeting of SEIAA

SEIAA Meeting number: 208 **Meeting Date** September 14, 2020

Subject: Environment Clearance for Application to SEIAA for "Roop Rajat Park" Residential Cum Commercial Project at Gut No. 157, 158(Part), 168 (Part), 169 (Part), Chilhar Road, Village- Betagaon, Taluka- Palghar, Dist- Thane by M/s. Mahavir Associates

Is a Violation Case: No

1.Name of Project	"Roop Rajat Park" Residential Cum Commercial Project
2.Type of institution	Private
3.Name of Project Proponent	Mahavir Associates
4.Name of Consultant	Enviro Analysts & Engineers Pvt. Ltd.
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	Not applicable
8.Location of the project	Gut No. 157, 158(Part), 168 (Part), 169 (Part), Chilhar Road, Village- Betagaon, Taluka- Palghar, Dist- Thane
9.Taluka	Palghar
10.Village	Betagaon
Correspondence Name:	Mr. Jitendra Agarwal -M/s. Mahavir Associates
Room Number:	Shop No. 23,24,
Floor:	-
Building Name:	Roop Rajat Nagar
Road/Street Name:	Tarapur Road
Locality:	Boisar, Taluka- Palghar
City:	Boisar
11.Whether in Corporation / Municipal / other area	Betagaon Gram Panchayat/ Other Area
12.IOD/IOA/Concession/Plan Approval Number	yes
	IOD/IOA/Concession/Plan Approval Number: NA Order received from Additional Collector, Thane, HQ_ Jawhar (012009) dated 26-11-2010 , CC received from CEO, ZP, Thane (297) date 22-10-2010
	Approved Built-up Area: 115054.31
13.Note on the initiated work (If applicable)	36703.51 Sq.m. of area has been constructed as per the received approvals.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA Order received from Additional Collector, Thane, HQ_ Jawhar (012009) dated 26-11-2010 ,CC received from CEO, ZP, Thane (297) date 22-10-2010
15.Total Plot Area (sq. m.)	132320.00 sq.m.
16.Deductions	366.00 sq.m.
17.Net Plot area	131954.00 sq.m.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 96869.71
	b) Non FSI area (sq. m.): 18180.60
	c) Total BUA area (sq. m.): 115050.31
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 96873.43
	Approved Non FSI area (sq. m.): 18180.60
	Date of Approval: 26-11-2010
19.Total ground coverage (m2)	29263.10sq. m
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	22.17%
21.Estimated cost of the project	1511500000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	type 1- 1 no.	G+3	12.20
2	type 2-1 no.	G+3	12.20
3	type 3A-14 nos.	G+3	12.20
4	type 3B-24 Nos.	S+4	14.10
5	type 3C - 2 Nos.	S+4	14.10
6	type 3D-11 Nos.	S+4	14.10
7	type 4- 21 Nos.	S+4	14.10
8	type 5- 66 Nos.	G+1	6.7
9	type 6- 17 Nos.	G+1	6.7
10	type 7- 14 Nos.	G+1	6.7
11	CFC 1	G+2	10.80
12	CFC 2	G+2	11.70
13	Club House 1	Ground	4.10
14	Club House 2	Ground	4.10

23.Number of tenants and shops	No. of residential tenements = 1458 Nos. No. of Shops = 153
24.Number of expected residents / users	Residential = 7290 Nos., Commercial= 459 nos., CFC =400 Nos., Total = 8149 No.s
25.Tenant density per hectare	110 No./Ha
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	25.00m wide State Highway
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Minimum 9.00m wide internal road is provided
29.Existing structure (s) if any	Construction of Buildings TYPE 3A, 3B, 3C, 3D , TYPE 4, TYPE 5 as per the received approvals.
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	Grampanchayat/Recycled water
	Fresh water (CMD):	673
	Recycled water - Flushing (CMD):	350
	Recycled water - Gardening (CMD):	69
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	1092
	Fire fighting - Underground water tank(CMD):	NA
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	411
Wet season:	**Source of water**	Grampanchayat/Recycled water /RWH Tank
	Fresh water (CMD):	673
	Recycled water - Flushing (CMD):	350
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	1023
	Fire fighting - Underground water tank(CMD):	NA
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	480
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	2-3 m
	Size and no of RWH tank(s) and Quantity:	total capacity = 948cum (2 days storage)
	Location of the RWH tank(s):	below ground level
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Rs.75.00 Lakhs
	Budgetary allocation (O & M cost) :	Rs.4.0 Lakhs
	Details of UGT tanks if any :	Below ground level Domestic= 673cum Flushing= 419 cum RWH =948 cum
35.Storm water drainage	**Natural water drainage pattern:**	West to East
	Quantity of storm water:	Actual Discharge =2.018 cum/sec (No. of Discharge points 4 of 0.50 cum) , Design Discharge= 0.54 cum/sec
	Size of SWD:	B=0.60m, D=0.60 m
Sewage and Waste water	**Sewage generation in KLD:**	922 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	950 KLD
	Location & area of the STP:	Ground level
	Budgetary allocation (Capital cost):	Rs.90.00Lakhs
	Budgetary allocation (O & M cost):	Rs. 11.00 Lakhs
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Scrap metal , Empty cement bags (50 kg capacity) , Aggregates , broken Tiles, Empty Paint cans (20 lit) were generated.
	Disposal of the construction waste debris:	Scrap metal was sold to recyclers, empty cement bags were sold to vendors, aggregates were reused for road preparation and leveling,broken tiles were reused used as china mosaic water proofing for terraces and skirting purpose, empty paint cans were sold to recyclers.
Waste generation in the operation Phase:	**Dry waste:**	1587.00 Kg/day
	Wet waste:	2252.00 Kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	46Kg
	Others if any:	Nil

Mode of Disposal of waste:	**Dry waste:**	To be managed through local recyclers.
	Wet waste:	To be processed in the Organic Waste Converter. Required amount of manure from OWC will be used for gardening/landscaping
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	to be used as a manure
	Others if any:	Nil
Area requirement:	**Location(s):**	ground level
	Area for the storage of waste & other material:	138.00 sq.m.
	Area for machinery:	3.00 sq.m.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.10.00Lakhs
	O & M cost:	Rs.4.00Lakhs

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 :**	13868.00 sq.m.
	No of trees to be cut :	NA
	Number of trees to be planted :	1323 Nos.
	List of proposed native trees :	as below
	Timeline for completion of plantation :	at the end of the construction phase

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Plumeria rubra	Red frangipani	50	flowering
2	Polyalthia coffeoides	Tree Ashoka	78	fruiting
3	Polyalthia longifolia	Mast tree	50	evergreen
4	Pongamia pinnata	Indian beech/Karanj	60	shady
5	Ravenala madagascariensis	Travellers palm	70	ornamental
6	Samanea saman	Raintree	50	shady
7	Spathodea campanulata	African tulip tree/scarlet bell tree	70	flowering
8	Syzygium cumini	Indian black berry	75	fruiting
9	Acacia arabica	Indian gum-arabic tree	40	shady
10	Adansonia digitata	Baobab, Monkey bread	60	deciduous tree
11	Adenanthara pavonina	Red sandalwood	50	leguminous tree
12	Ailanthus excelsa	Tree of heaven/Paradise tree	50	deciduous tree,
13	Albizzia lebbek	Siris	50	medicinal
14	Alstonia scholaris	Devils tree	70	evergreen tropical tree
15	Anogeissus acuminata	Anogeissus	30	flowering
16	Anthocephalus chinensis	Kadamba	40	shady
17	Cycas revoluta	Fern palm/cycas	75	ornamental
18	Dalbergia sissoo	South Indian Redwood/Sissoo	70	medicinal
19	Delonix regia	Flame tree, May flower	70	shady
20	Brassaia actinophylla	Umbrella tree	60	flowering
21	Butea monosperma	Flame of forest	80	shady
22	Cassia excelsa	Crown of gold tree	75	flwering
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	100KW
	DG set as Power back-up during construction phase	100KVA
	During Operation phase (Connected load):	7903 KW
	During Operation phase (Demand load):	5092KW
	Transformer:	NA
	DG set as Power back-up during operation phase:	05No. of 75 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

-Solar Lighting (for landscape/Drive way)
-Solar Hot water system
-Energy Efficient Pumping Machinery
- Use of CFL & LED lights
- regenerative lifts

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	as above	24.00%

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.101.00 Lakhs
	O & M cost:	Rs.10.00 Lakhs

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	air environment	dust suppression	2.00
2	land environment	site sanitation	2.50
3	Environment monitoring	For Air, Noise, Water Analysis	7.5
4	EHS	Disinfection	2.0

5	EHS	Health Check Up	4.0

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	water environment	rain water harvesting	75.00	4.00
2	solid waste	OWC	10.00	4.00
3	water environment	STP	90.00	11.0
4	energy saving	Solar energy system	101.00	10.00
5	land environment	landscaping	20.00	2.00

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 Nos.
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	31069.13 sq.m.
	Area per car:	28.00 sq.m.
	Area per car:	28.00 sq.m.
	Number of 2-Wheelers as approved by competent authority:	nil
	Number of 4-Wheelers as approved by competent authority:	1143 no.s
	Public Transport:	Nil
	Width of all Internal roads (m):	Max. 18.00 m to Min. 6.00 m wide internal roads
	CRZ/ RRZ clearance obtain, if any:	NA

	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	not within the 15 km
	Category as per schedule of EIA Notification sheet	category, Schedule 8(a)
	Court cases pending if any	-
	Other Relevant Informations	The project was apprised by SEIAA in their 89th meeting as an Item No.04 dated 3-9-2015. Authority deffer ed the case for the want of compliance points for we have now submitted the compliance as per 89th SEIAA MoM. Judgment for court case no 421/2015 at Palghar Court against violation of EIA notification 2006 was received on 13-09-2017 & case is also closed
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	16-09-2017

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for "Roop Rajat Park" Residential Cum Commercial Project at Gut No. 157, 158(Part), 168 (Part), 169 (Part), Chilhar Road, Village- Betagaon, Taluka- Palghar, Dist- Thane by M/s. Mahavir Associates.

PP had submitted withdrawal request by letter dated 18/06/2020, Committee decided to accept the same & forward the same to SEIAA for further necessary action.

DECISION OF SEAC

PP had submitted withdrawal request by letter dated 18/06/2020, Committee decided to accept the same & forward the same to SEIAA for further necessary action.

Specific Conditions by SEAC:

SEIAA DECISION

PP had submitted withdrawal request by letter dated 18/06/2020, SEAC decided to accept the same & forward the same to SEIAA for further necessary action.

SEIAA Decision-

SEIAA after deliberation decided to reject the proposal.

Specific Conditions by SEIAA:

FINAL RECOMMENDATION

SEIAA have decided to reject the proposal due to above reasons.

208th Meeting of SEIAA

SEIAA Meeting number: 208 **Meeting Date** September 14, 2020

Subject: Environment Clearance for Rare Townships Private Limited

Is a Violation Case: No

1.Name of Project	Proposed Residential cum Commercial Complex project
2.Type of institution	Private
3.Name of Project Proponent	Executive Engineer (PWD)
4.Name of Consultant	M/s. AQURA LABS PVT.LTD
5.Type of project	Housing Project (Residential cum Commercial Complex 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, Environmental Clearance has been obtained for this project on 23rd March 2006.
8.Location of the project	CTS No. 194B, PWD Ground, Ghatkopar - Mankhurd Link Road, Chedda Nagar, Ghatkopar (E), Mumbai- 400 077
9.Taluka	Kurla
10.Village	Ghatkopar
Correspondence Name:	Executive Engineer
Room Number:	CTS No. 194B
Floor:	PWD Ground
Building Name:	Rising City
Road/Street Name:	Ghatkopar- Mankhurd Link Road
Locality:	Chedda Nagar, Ghatkopar (E)
City:	Mumbai - 400 077
11.Whether in Corporation / Municipal / other area	Mumbai Corporation Of Greater Mumbai (MCGM)
12.IOD/IOA/Concession/Plan Approval Number	IOD
	IOD/IOA/Concession/Plan Approval Number: CHE/334/B.P.(Spl.Cell) /AN/337
	Approved Built-up Area: 80741.03
13.Note on the initiated work (If applicable)	Construction in Progress
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	1,27,503.12 Sqm
16.Deductions	19,125.47 Sqm
17.Net Plot area	1,08,377.65 Sqm
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 2,93,423.45 Sqm
	b) Non FSI area (sq. m.): 4,64,402.52 Sqm
	c) Total BUA area (sq. m.): 757826
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 80741.03
	Approved Non FSI area (sq. m.): 94252.78
	Date of Approval: 09-12-2015
19.Total ground coverage (m2)	31,033 Sqm
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	24.34
21.Estimated cost of the project	21500000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building No. 1 (Residential)	Wing A1 - A6 : 3Basements + Stilt + 2 Podiums + 28 Floors	95.75
2	Building No. 1 (Residential)	Wing B1 - B6 : Basements + Stilt+ Podiums + 28 Floors	77.50
3	Building No. 1 (Residential)	Wing C1 - C5 : Basements + Stilt+ Podiums + 28 Floors	69.95
4	Building No. 2 (Residential)	Wing CA - CE : Basements + Stilt+ Podiums + 2 Floors	9.00
5	Building No. 3 (Commercial)	Basements + Stilt + Podiums + 21 Floors	9.00
6	Building No. 4 (School)	Basements + Stilt + 7 Floors	21.06
7	Building No. 5 (Jain temple & Upashraya)	Basements + Stilt + 2 Floors	18.30
8	Building No. 6 (HIndu temple)	Basements + Stilt + 2 Floors	18.30
9	Building No. 1 (Residential)	Wing A1 - A6 : 3Basements + Stilt + 2 Podiums + 19 Floors	66.95
10	Building No. 1 (Residential)	Wing A1 - A6 : 3Basements + Stilt + 2 Podiums + 19 Floors	66.95

23.Number of tenants and shops	Total number of flats: Residential : 3615 nos. Sales offices & shops: 150 nos.
24.Number of expected residents / users	17600
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)	24.00 mtrs wide proposed D.P road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.0 mtrs
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**	MCGM
	Fresh water (CMD):	1662
	Recycled water - Flushing (CMD):	846
	Recycled water - Gardening (CMD):	375
	Swimming pool make up (Cum):	900
	Total Water Requirement (CMD) :	2742
	Fire fighting - Underground water tank(CMD):	3300
	Fire fighting - Overhead water tank(CMD):	2900`
	Excess treated water	397
Wet season:	**Source of water**	MCGM
	Fresh water (CMD):	1662
	Recycled water - Flushing (CMD):	846
	Recycled water - Gardening (CMD):	375
	Swimming pool make up (Cum):	900
	Total Water Requirement (CMD) :	2742
	Fire fighting - Underground water tank(CMD):	3300
	Fire fighting - Overhead water tank(CMD):	2900
	Excess treated water	397
Details of Swimming pool (If any)	Proposed swimming pool in Podium level.	

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	Nil	1662	1662	Nil	Nil	Nil	Nil	Nil	Nil
Domestic	Nil	2508	2508	Nil	Nil	Nil	Nil	Nil	Nil
Gardening	Nil	375	375	Nil	Nil	Nil	Nil	Nil	Nil

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	1 to 2m below ground level.
	Size and no of RWH tank(s) and Quantity:	17 x 200 KL = 3400 , 1 x 400 KL = 400 , 1 x 100 KL = 100, Total = 3900 CuM/day
	Location of the RWH tank(s):	RWH tanks are proposed in basement.
	Quantity of recharge pits:	21
	Size of recharge pits :	1.5m x 2m x 0.5m
	Budgetary allocation (Capital cost) :	Rs. 80 Lacs
	Budgetary allocation (O & M cost) :	Rs. 2 Lacs
	Details of UGT tanks if any :	UG Tanks are proposed in Basement.
35.Storm water drainage	**Natural water drainage pattern:**	Storm Water drain (SWD) are laid at a slope of 1:300 the municipal outfall outside the plot.
	Quantity of storm water:	2000CuM
	Size of SWD:	200mm dia, 250mm dia, 300 mm dia, 350mm dia, 400mm dia, 450mm dia & 600mm dia.
Sewage and Waste water	**Sewage generation in KLD:**	2742
	STP technology:	Moving Bed Bioreactor (MBBR) Technology
	Capacity of STP (CMD):	8 Nos of STP & 2800 KLD cumulative capacity.
	Location & area of the STP:	Proposed at Basement level.
	Budgetary allocation (Capital cost):	Rs. 450 Lakhs
	Budgetary allocation (O & M cost):	Rs. 65 Lakhs
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Debris Generated : approx. 720000 CuM
	Disposal of the construction waste debris:	Material wastes like bricks, cement etc. will be used as fill material and concrete would be recycled and reused at the site. Municipal solid waste generated by construction shall be segregated into biodegredable and non - biodegredebale and shall be handed over to MCGM. Cement bags, waste paper, cardboard packing material would be sold off to recyclers.
Waste generation in the operation Phase:	**Dry waste:**	4 MT/Day
	Wet waste:	5 MT/Day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	125 Kg /Day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Disposed to the Municipal waste collection system and recyclable waste to be taken away by private contractor for resale.
	Wet waste:	Treatment in mechanical composting units provided at the ground level within the premises. The manure generated will be used for gardening.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Dried STP sludge will be used as manure for gardening
	Others if any:	NA
Area requirement:	**Location(s):**	On Ground level.
	Area for the storage of waste & other material:	Segregated Organic Waste
	Area for machinery:	5m x 8m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 30 Lacs
	O & M cost:	Rs. 2.5 Lacs

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	250 kVA	250 kVA
41.Source of Fuel		HSD		

42.Mode of Transportation of fuel to site	By road.

43.Green Belt Development	**Total RG area :**	RG on the ground : 31900.00 Sqm , RG on the podium : 31429.00 Sqm.
	No of trees to be cut :	Nil
	Number of trees to be planted :	1595
	List of proposed native trees :	Neem, Karanj, Satwin, Kadamba, Sita Ashoka, Pangara.
	Timeline for completion of plantation :	Dec-20

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	Azardirachta indica	Neem	300	Large tree, good for roadside plantation
2	Pongamia pinnata	Karanj	300	Shady tree.
3	Alistonia scholaris	Satwin	300	Shady Tree, white fragrant flowers
4	Anthocephallus cadamba	Kadamba	300	Shady, large tree, ball shaped flowers.
5	Saraca ashoka	Sita Ashoka	300	Shady tree with red-yellow flowers.
6	Ficus retusa	Nandruk	95	Shady tree, good for roadside plantation.
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	Lemon grass/ Gavati Chaha	1m	1
2	Tulas	0.4m	0.6
3	Korphad	0.4m	0.5
4	Adulasa	3.5m	3
5	Chitrak	0.5m	0.4
6	Krishna kamal	1.5m	1.5
7	Kadipatta	1.5m	0.5

47.Energy

Power requirement:	**Source of power supply :**	Reliance Energy Ltd
	During Construction Phase: (Demand Load)	200KW
	DG set as Power back-up during construction phase	D.G sets shall be used as per the requirements.
	During Operation phase (Connected load):	36,299 KW
	During Operation phase (Demand load):	24020 KW
	Transformer:	1) Building A1 to A3:4 x 1000, 3 x 750, 2 x 630 kVA 2) A4 to A6: 4 x 1000, 3 x 750 kVA 3) B1 to B3: 4 X 1000, 4 X 750kVA 4) B4 to B6:
	DG set as Power back-up during operation phase:	14 Nos of 750kVA, 2Nos of 330kVA.
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Energy saving measures: Energy conservation will be done by adopting the following methods.
a) Energy efficient fluorescent tube lights & LED lamps will be used.
b) Presence sensors & day - light sensors will be provided where evr feasible.
c) Solar operated pole lights will be proposed to power pathway lights at some strategic locations.
d) Use of energy saving devices (CFL light and Patti light) .
e) Drip irrigation shall be used for gardening purpose to reduce the wastage of water .
f) Use of high energy efficient pumps for fire fighting, UG tanks and STP.
g) General lighting shall be through energy efficient flurosecent lamps and illumination levels shall be generally in line with National Building Code.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	a) Replacing 60w incandescent lamps with 18W LED lamps with circuit controls. b) Air conditioning load - High COP chillers, Demand control ventilation, Variable pumping , Speed control in AHUs. c) Regeneration braking of elevators d) High efficiency motors for PHE systems. e) Solar powered water heating f) Solar photovoltaic power generation for external lighting	7.858 Mil Units / Energy savings - 22.51%

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. 60 Lakhs
	O & M cost:	Rs. 6 Lakhs

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	1	Water For Dust Suppression	10
2	2	Site Sanitation	10
3	3	Environment Monitoring	15
4	4	Disinfection	5
5	5	Health Check Up	20
6	6	Total Cost	60

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP	MBBR technology (303MLD capacity)	450	36
2	Rain Water Harvesting	19 underground tanks for capturing terrace water	80	2
3	Environmental Monitoring	Environmental Monitoring	NABL/MOEF approved Laboratory for monitoring	16
4	Solar Lights	300 poles	60	6
5	Gardening	Gardening	50	10
6	Solid Wate Management	Treatment of biodegradable garbage in OWC(4.64 tonnes per Day)	30	2.5
7	Cost for Safety and fire fighting	17 buildings	3400	85

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:	Access to the plot is from 24.0 m wide D.P road.

Parking details:	**Number and area of basement:**	Building No. 1 (Residential): 2,34,449.50 Sqm of 3 Basements , Building No. 2 & 3 (Residential & Commercial): 18,645.00 Sqm of 1 Basement
	Number and area of podia:	Building no. 1 (Residential): 44,727.40 & 1 Basement , Building No. 2 (Residentail): 8,445.35 Sqm & 1 Basement
	Total Parking area:	23,449.55 Sqm in Basement of Building No.1, 18,645.00 Sqm in Basement of Building No. 2&3, 44,727.40 Sqm in podium of Building No. 1, 8,445.35 Sqm in Podium of Building No. 2.
	Area per car:	13.75
	Area per car:	13.75
	Number of 2-Wheelers as approved by competent authority:	2-Wheelers are not proposed
	Number of 4-Wheelers as approved by competent authority:	2423
	Public Transport:	Yes
	Width of all Internal roads (m):	All internal roads are 6m wide.
	CRZ/ RRZ clearance obtain, if any:	The subject plot u/r is not falling in CRZ area as per HTL demarcation plan prepared by MoEF authorized agency i.e. IRS Chennai.
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	NA
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for Proposed Residential cum Commercial Complex project Rare Townships Private Limited at CTS No. 194B, PWD Ground, Ghatkopar - Mankhurd Link Road, Chedda Nagar, Ghatkopar (E), Mumbai by Executive Engineer (PWD) .

PP had submitted withdrawal request by letter dated 20/11/2019, Committee decided to accept the same & forward the same to SEIAA for further necessary action.

DECISION OF SEAC

PP had submitted withdrawal request by letter dated 20/11/2019, Committee decided to accept the same & forward the same to SEIAA for further necessary action.

Specific Conditions by SEAC:

SEIAA DECISION

PP had submitted withdrawal request by letter dated 20/11/2019, SEAC decided to accept the same & forward the same to SEIAA for further necessary action.

SEIAA Decision-

SEIAA after deliberation decided to reject the proposal.

Specific Conditions by SEIAA:

FINAL RECOMMENDATION

SEIAA have decided to reject the proposal due to above reasons.

208th Meeting of SEIAA

SEIAA Meeting number: 208 **Meeting Date** September 14, 2020

Subject: Environment Clearance for Plot bearing CTS NOS. 25/5 to 25/9, 25/10A, 25/10B, 40/17, 40/22, 41/13, 41/17, 42/1, 42/2, 42/3, 43/1, 43/2, 43/3(pt), 44/1, 44/2, 47/1(pt), 47/5(pt), 47/6(pt), 47/2/1(pt), 47/2/2(pt), 47/3/2(pt), 21, 22, at village:- Balkum Tal & Dist – Thane

Is a Violation Case: No

1.Name of Project	Dosti Enterprises
2.Type of institution	Private
3.Name of Project Proponent	Mr. Sanjog Deshmukh
4.Name of Consultant	Dr. D. A. Patil, Mahabal Enviro Engineers Pvt. Ltd.
5.Type of project	Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	On plot bearing CTS Nos. 25/5 to 25/9, 25/10A, 25/10B, 40/17, 40/22, 41/13, 41/17, 42/1, 42/2, 42/3, 43/1, 43/2, 43/3(pt), 44/1, 44/2, 47/1(pt), 47/5(pt), 47/6(pt), 47/2/1(pt), 47/2/2(pt), 47/3/2(pt), 21, 22, at village:- Balkum Tal & Dist – Thane by Dosti Enterprises
9.Taluka	Thane
10.Village	Balkum
Correspondence Name:	Dosti Enterprises
Room Number:	276
Floor:	1st floor
Building Name:	Lawrence & Mayo House
Road/Street Name:	Dr. DN Road
Locality:	Fort,
City:	Fort, Mumbai - 400001
11.Whether in Corporation / Municipal / other area	TMC
12.IOD/IOA/Concession/Plan Approval Number	In process
	IOD/IOA/Concession/Plan Approval Number: -
	Approved Built-up Area: 63543
13.Note on the initiated work (If applicable)	No work started
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	-
15.Total Plot Area (sq. m.)	21602.25 m2
16.Deductions	4257.25 m2
17.Net Plot area	17345.20 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 47172.34 m2
	b) Non FSI area (sq. m.): 58478 m2
	c) Total BUA area (sq. m.): 105650
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 25,930 m2
	Approved Non FSI area (sq. m.): 37,613 m2
	Date of Approval: 01-01-1900
19.Total ground coverage (m2)	Covered area: 9802 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	57%
21.Estimated cost of the project	28575

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Type A	B+G/S(pt)+ 1st to 2nd Podiums + 1st to 27th floors.	88.00
2	Type B	B +G/S(pt)+ 1st to 2nd Podiums + 1st to 27th floors.	88.00
3	Type C	B+ Stilt +1st to 2nd Podiums + 1st to 27th floors.	88.00
4	Type D	B+ Stilt +1st to 2nd Podiums + 1st to 27th floors.	88.00
5	Type E	B+S+1st to 2nd Podiums + 1st to 27th floors.	88.00
6	Type F	B +S + 1st to 2nd Podiums + 1st to 8th floors For MHADA and 9th to 27th Floor for Sale	88.00

23.Number of tenants and shops	No of sale tenants: 1116 Nos. MHADA: 70 Nos Total: 1186 Nos Commercial Area: 341.29 m2
24.Number of expected residents / users	5,964 Nos.
25.Tenant density per hectare	697/Ha
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	The project site is accessed by 18 m and 45 m Wide Road.
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Min 9 m
29.Existing structure (s) if any	No
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	TMC
	Fresh water (CMD):	535 KLD
	Recycled water - Flushing (CMD):	268 KLD
	Recycled water - Gardening (CMD):	29 KLD
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	802 KLD
	Fire fighting - Underground water tank(CMD):	As per CFO NOC
	Fire fighting - Overhead water tank(CMD):	As per CFO NOC
	Excess treated water	445 KLD
Wet season:	**Source of water**	TMC + RWH
	Fresh water (CMD):	488 KLD
	Recycled water - Flushing (CMD):	268 KLD
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	802 KLD
	Fire fighting - Underground water tank(CMD):	As per CFO NOC
	Fire fighting - Overhead water tank(CMD):	As per CFO NOC
	Excess treated water	445 KLD
Details of Swimming pool (If any)	-	

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:**	Ground water table at depth of 1.5 to 2 m
	Size and no of RWH tank(s) and Quantity:	6 RWH Tank with Capacity: 160 cu.m
	Location of the RWH tank(s):	Underground
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Rs. 37 Lakh
	Budgetary allocation (O & M cost) :	Rs. 1.8 Lakh/year
	Details of UGT tanks if any :	Underground
35.Storm water drainage	**Natural water drainage pattern:**	The slope of the plot is towards East side
	Quantity of storm water:	The storm water generation 1995.57 m3/hr
	Size of SWD:	550 and 700 mm wide internal SWD drains
Sewage and Waste water	**Sewage generation in KLD:**	749 KLD
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	STP of 800 KLD capacity
	Location & area of the STP:	Basement Area of STP: 580 m2
	Budgetary allocation (Capital cost):	Rs. 160 Lakh
	Budgetary allocation (O & M cost):	Rs.32 Lakh/year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction debris: 3068 m3
	Disposal of the construction waste debris:	The construction debris waste will be disposed as per Construction debris and demolition waste management Rule 2016
Waste generation in the operation Phase:	**Dry waste:**	1,783 kg/day
	Wet waste:	1,189 kg/day
	Hazardous waste:	Used oil from DG
	Biomedical waste (If applicable):	-
	STP Sludge (Dry sludge):	7 kg/day
	Others if any:	-

Mode of Disposal of waste:	**Dry waste:**	Dry garbage will be disposed off to recyclers
	Wet waste:	Wet garbage will be composted using Mechanical Composting Technology and used as organic manure for landscaping.
	Hazardous waste:	Handed over to authorized recyclers
	Biomedical waste (If applicable):	-
	STP Sludge (Dry sludge):	Sludge use as manure for gardening
	Others if any:	Household E-waste generation
Area requirement:	**Location(s):**	Underground
	Area for the storage of waste & other material:	120 m2
	Area for machinery:	65 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 80 Lakh
	O & M cost:	Rs.32 Lakh/yr

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	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 :**	RG required: 2601.78 m2 RG provided: 6125.33 m2 (RG on Ground: 2661.71 m2 & RG on Podium: 3463.62 m2)
	No of trees to be cut :	-
	Number of trees to be planted :	215 Nos.
	List of proposed native trees :	Given below
	Timeline for completion of plantation :	Within 2 years of completion of construction activity

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	ERYTHRINA INDICA	Pangara	20	As medicinal value, Bird and insect attractive.
2	LAGERSTROEMIA SPECIOSA	Tamhan	20	Edible, mature fruit as medicinal value, Bird and insect attractive.
3	MIMUSOP ELENGI	Bakul	10	As medicinal value, Bird and insect attractive.
4	PONGAMIA PINNATA	Karanj	10	Valued for its oil and insect repellent, having medicinal value.
5	SARACA INDICA	Sita Ashok	40	As medicinal value, Bird and insect attractive.
6	ANTHOCEPHALUS CADAMBA	Kadamba	20	Shady, large tree, ball shaped flowers.
7	BAUHINIA PURPUREA	Apta	25	Small tree with small white flowers, Butterfly host plant
8	EUGENIA JAMBOLANA	Jambul	20	Fruit tree attracting birds
9	MICHELIA CHAMPACA	Chafa	10	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
10	MILLINGTONIA HORTENSIS	Indian cork tree	20	Evergreen Tree
11	NYCTANTHES ARBOR TRISTIS	Parijat	10	Small deciduous fast growing tree, beautiful flowers.
12	POLYALTHIA LONGIFOLIA	Ashoka Tree	10	Shady tree with red-yellow flowers.
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	200 kVA
	DG set as Power back-up during construction phase	200 kVA
	During Operation phase (Connected load):	4.4 MW
	During Operation phase (Demand load):	3.4 MW
	Transformer:	5 X 1000 kVA
	DG set as Power back-up during operation phase:	7 X 400 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 Hot water to Residential Buildings, Solar PV Panels on Roof Top of Commercial Area., Solar Street lighting in landscape , common area passages

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	• Use of Energy Efficient Pumps & Motors for firefighting, UG Tanks and STP • Solar PV Panels on Roof Top of Commercial Area • Energy efficient lighting fixtures (LED lights) to all buildings • Use of energy efficient lifts • Efficient wall systems like solid blocks with fly ash content • Use of low-e glass to reduce power requirement • Natural shading through elevation features to minimize heat gain and reduce air-conditioning requirement	21.85%

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. 26 Lakh
	O & M cost:	Rs. 1.3 Lakh/year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water spray for dust suppression	-	4.0

2	Site sanitation Facility and its maintenance	-	6.0
3	Potable Water Supply to Labour	-	3.0
4	Solid waste management	-	1.5
5	Disinfection	-	1.5
6	Safety Personal Protective Equipment	(Helmets, Safety Shoes, Safety Belt, Googles, Hand Gloves etc.)	8.0
7	Traffic Management (Sign Boards, Persons, at entry exit and Parking area)	-	2.5
8	Safety nets	-	12.0
9	Safety Training to Workers (Twice in Year), Safety Officer	-	3.0
10	Environmental Monitoring	(As per the CPCB guidelines through MoEF&CC Approved laboratories – Ambient Air-RSPM, PM2.5, SO2, NOx, CO), Noise: Leq day time and Night Time)	4.0

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 (Tertiary)	-	160	32
2	Solar System	-	26	1.3
3	Rainwater harvesting	-	37	1.8
4	Solid Waste Composting plant	-	80	32
5	Landscape	-	54	5
6	Environmental Monitoring	-	-	4.0

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:	-
Parking details:	**Number and area of basement:**	1 Basement with total 8622 m2
	Number and area of podia:	GR + 2 Podiums with total 17,279 m2 area
	Total Parking area:	23162.39 m2
	Area per car:	22 m2
	Area per car:	22 m2
	Number of 2-Wheelers as approved by competent authority:	2W parking Required: 1,203Nos. 2W Parking Provided: 1,203 Nos.
	Number of 4-Wheelers as approved by competent authority:	4W parking Required: 732 Nos. 4W Parking Provided: 1057 Nos.
	Public Transport:	-
	Width of all Internal roads (m):	18 m and 45 m Wide
	CRZ/ RRZ clearance obtain, if any:	CRZ Clearance Received
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park : 2.5 km approx
	Category as per schedule of EIA Notification sheet	8 (a)
	Court cases pending if any	Not Applicable
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for Plot bearing CTS NOS. 25/5 to 25/9, 25/10A, 25/10B, 40/17, 40/22, 41/13, 41/17, 42/1, 42/2, 42/3, 43/1, 43/2, 43/3(pt), 44/1, 44/2, 47/1(pt), 47/5(pt), 47/6(pt), 47/2/1(pt), 47/2/2(pt), 47/3/2(pt), 21, 22, at village:- Balkum Tal & Dist – Thane by Dosti Enterprises.

PP had submitted withdrawal request by letter dated 21/01/2019, Committee decided to accept the same & forward the same to SEIAA for further necessary action.

DECISION OF SEAC

PP had submitted withdrawal request by letter dated 21/01/2019, Committee decided to accept the same & forward the same to SEIAA for further necessary action.

Specific Conditions by SEAC:

SEIAA DECISION

PP had submitted withdrawal request by letter dated 21/01/2019, SEAC decided to accept the same & forward the same to SEIAA for further necessary action.

SEIAA Decision-

SEIAA after deliberation decided to reject the proposal.

Specific Conditions by SEIAA:

FINAL RECOMMENDATION

SEIAA have decided to reject the proposal due to above reasons.

208th Meeting of SEIAA

SEIAA Meeting number: 208 **Meeting Date** September 14, 2020

Subject: Environment Clearance for "Roop Rajat Park" Residential Cum Commercial Project at Gut No. 157, 158(Part), 168 (Part), 169 (Part), Chilhar Road, Village- Betagaon, Taluka- Palghar, Dist- Thane by M/s. Mahavir Associates

Is a Violation Case: Yes

1.Name of Project	"Roop Rajat Park" Residential Cum Commercial Project
2.Type of institution	Private
3.Name of Project Proponent	Mahavir Associates
4.Name of Consultant	Enviro Analysts & Engineers Pvt. Ltd.
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	Not applicable
8.Location of the project	Gut No. 157, 158(Part), 168 (Part), 169 (Part), Chilhar Road, Village- Betagaon, Taluka- Palghar, Dist- Thane
9.Taluka	Palghar
10.Village	Betagaon
Correspondence Name:	Mr. Jitendra Agarwal -M/s. Mahavir Associates
Room Number:	Shop No. 23,24,
Floor:	-
Building Name:	Roop Rajat Nagar
Road/Street Name:	Tarapur Road
Locality:	Boisar, Taluka- Palghar
City:	Boisar
11.Whether in Corporation / Municipal / other area	Betagaon Gram Panchayat/ Other Area
12.IOD/IOA/Concession/Plan Approval Number	yes
	IOD/IOA/Concession/Plan Approval Number: NA Order received from Additional Collector, Thane, HQ_ Jawhar (012009) dated 26-11-2010 , CC received from CEO, ZP, Thane (297) date 22-10-2010
	Approved Built-up Area: 115054.31
13.Note on the initiated work (If applicable)	36703.51 Sq.m. of area has been constructed as per the received approvals.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA Order received from Additional Collector, Thane, HQ_ Jawhar (012009) dated 26-11-2010 ? CC received from CEO, ZP, Thane (297) date 22-10-2010
15.Total Plot Area (sq. m.)	132320.00 sq.m.
16.Deductions	366.00 sq.m.
17.Net Plot area	131954.00 sq.m.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 96869.71
	b) Non FSI area (sq. m.): 18180.60
	c) Total BUA area (sq. m.): 115050.31
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 96873.43
	Approved Non FSI area (sq. m.): 18180.60
	Date of Approval: 26-11-2010
19.Total ground coverage (m2)	29263.10sq. m
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	22.17%
21.Estimated cost of the project	1511500000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	type 1- 1 no.	G+3	12.20
2	type 2-1 no.	G+3	12.20
3	type 3A-14 nos.	G+3	12.20
4	type 3B-24 Nos.	S+4	14.10
5	type 3C - 2 Nos.	S+4	14.10
6	type 3D-11 Nos.	S+4	14.10
7	type 4- 21 Nos.	S+4	14.10
8	type 5- 66 Nos.	G+1	6.7
9	type 6- 17 Nos.	G+1	6.7
10	type 7- 14 Nos.	G+1	6.7
11	CFC 1	G+2	10.80
12	CFC 2	G+2	11.70
13	Club House 1	Ground	4.10
14	Club House 2	Ground	4.10

23.Number of tenants and shops	No. of residential tenements = 1458 Nos. No. of Shops = 153
24.Number of expected residents / users	Residential = 7290 Nos., Commercial= 459 nos., CFC =400 Nos., Total = 8149 No.s
25.Tenant density per hectare	110 No./Ha
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	25.00m wide State Highway
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Minimum 9.00m wide internal road is provided
29.Existing structure (s) if any	Construction of Buildings TYPE 3A, 3B, 3C, 3D , TYPE 4, TYPE 5 as per the received approvals.
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	Grampanchayat/Recycled water
	Fresh water (CMD):	673
	Recycled water - Flushing (CMD):	350
	Recycled water - Gardening (CMD):	69
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	1092
	Fire fighting - Underground water tank(CMD):	NA
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	411
Wet season:	**Source of water**	Grampanchayat/Recycled water /RWH Tank
	Fresh water (CMD):	673
	Recycled water - Flushing (CMD):	350
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	1023
	Fire fighting - Underground water tank(CMD):	NA
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	480
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	2-3 m
	Size and no of RWH tank(s) and Quantity:	total capacity = 1701 cum (2 days storage)
	Location of the RWH tank(s):	below ground level
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Rs.136.00 Lakhs
	Budgetary allocation (O & M cost) :	Rs.6.8 Lakhs
	Details of UGT tanks if any :	Below ground level Domestic= 673cum Flushing= 419 cum RWH =1701 cum
35.Storm water drainage	**Natural water drainage pattern:**	West to East
	Quantity of storm water:	Actual Discharge =2.018 cum/sec (No. of Discharge points 4 of 0.50 cum) , Design Discharge= 0.54 cum/sec
	Size of SWD:	B=0.60m, D=0.60 m
Sewage and Waste water	**Sewage generation in KLD:**	922 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	950 KLD
	Location & area of the STP:	Ground level
	Budgetary allocation (Capital cost):	Rs.90.00Lakhs
	Budgetary allocation (O & M cost):	Rs. 11.00 Lakhs
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Scrap metal , Empty cement bags (50 kg capacity) , Aggregates , broken Tiles, Empty Paint cans (20 lit) were generated.
	Disposal of the construction waste debris:	Scrap metal was sold to recyclers, empty cement bags were sold to vendors, aggregates were reused for road preparation and leveling,broken tiles were reused used as china mosaic water proofing for terraces and skirting purpose, empty paint cans were sold to recyclers
Waste generation in the operation Phase:	**Dry waste:**	1587.00 Kg/day
	Wet waste:	2252.00 Kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	46Kg
	Others if any:	Nil

Mode of Disposal of waste:	**Dry waste:**	To be managed through local recyclers.
	Wet waste:	To be processed in the Organic Waste Converter. Required amount of manure from OWC will be used for gardening/landscaping
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	to be used as a manure
	Others if any:	Nil
Area requirement:	**Location(s):**	ground level
	Area for the storage of waste & other material:	138.00 sq.m.
	Area for machinery:	3.00 sq.m.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.10.00Lakhs
	O & M cost:	Rs.4.00Lakhs

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 :**	13868.00 sq.m.
	No of trees to be cut :	NA
	Number of trees to be planted :	1323 Nos.
	List of proposed native trees :	as below
	Timeline for completion of plantation :	at the end of the construction phase

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Plumeria rubra	Red frangipani	50	flowering
2	Polyalthia coffeoides	Tree Ashoka	78	fruiting
3	Polyalthia longifolia	Mast tree	50	evergreen
4	Pongamia pinnata	Indian beech/Karanj	60	shady
5	Ravenala madagascariensis	Travellers palm	70	ornamental
6	Samanea saman	Raintree	50	shady
7	Spathodea campanulata	African tulip tree/scarlet bell tree	70	flowering
8	Syzygium cumini	Indian black berry	75	fruiting
9	Acacia arabica	Indian gum-arabic tree	40	shady
10	Adansonia digitata	Baobab, Monkey bread	60	deciduous tree
11	Adenanthara pavonina	Red sandalwood	50	leguminous tree
12	Ailanthus excelsa	Tree of heaven/Paradise tree	50	deciduous tree,
13	Albizzia lebbek	Siris	50	medicinal
14	Alstonia scholaris	Devils tree	70	evergreen tropical tree
15	Anogeissus acuminata	Anogeissus	30	flowering
16	Anthocephalus chinensis	Kadamba	40	shady
17	Cycas revoluta	Fern palm/cycas	75	ornamental
18	Dalbergia sissoo	South Indian Redwood/Sissoo	70	medicinal
19	Delonix regia	Flame tree, May flower	70	shady
20	Brassaia actinophylla	Umbrella tree	60	flowering
21	Butea monosperma	Flame of forest	80	shady
22	Cassia excelsa	Crown of gold tree	75	flwering
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	100KW
	DG set as Power back-up during construction phase	100KVA
	During Operation phase (Connected load):	7903 KW
	During Operation phase (Demand load):	5092KW
	Transformer:	NA
	DG set as Power back-up during operation phase:	05No. of 75 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

-Solar Lighting (for landscape/Drive way)
-Solar Hot water system
-Energy Efficient Pumping Machinery
- Use of CFL & LED lights
- regenerative lifts

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	as above	24.00%

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.101.00 Lakhs
	O & M cost:	Rs.10.00 Lakhs

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	air environment	dust suppression	2.00
2	land environment	site sanitation	2.50
3	Environment monitoring	For Air, Noise, Water Analysis	7.5
4	EHS	Disinfection	2.0

5	EHS	Health Check Up	4.0

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	water environment	rain water harvesting	136.00	6.80
2	solid waste	OWC	10.00	4.00
3	water environment	STP	90.00	11.0
4	energy saving	Solar energy system	218.00	22.0
5	land environment	landscaping	20.00	2.00

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 Nos.
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	31069.13 sq.m.
	Area per car:	28.00 sq.m.
	Area per car:	28.00 sq.m.
	Number of 2-Wheelers as approved by competent authority:	nil
	Number of 4-Wheelers as approved by competent authority:	1143 no.s
	Public Transport:	Nil
	Width of all Internal roads (m):	Max. 18.00 m to Min. 6.00 m wide internal roads
	CRZ/ RRZ clearance obtain, if any:	NA

	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	not within the 15 km
	Category as per schedule of EIA Notification sheet	category, Schedule 8(a)
	Court cases pending if any	judgment copy has been received dated 13-09-2017 against court case no. 421/2015 at Palghar Court against the violation of EIA notification 2006
	Other Relevant Informations	the project was apprised by SEIAA in their 89th meeting as an Item No.04 dated 3-9-2015. Authority deffer ed the case for the want of compliance points for we are submitted the compliance as per 89th SEIAA MoM. Judgment copy has been received dated 13-09-2017 against court case no. 421/2015 at Palghar Court against the violation of EIA notification 2006
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	16-09-2017

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for "Roop Rajat Park" Residential Cum Commercial Project at Gut No. 157, 158(Part), 168 (Part), 169 (Part), Chilhar Road, Village- Betagaon, Taluka-Palghar, Dist- Thane by M/s. Mahavir Associates.

PP had submitted withdrawal request by letter dated 18/06/2020, Committee decided to accept the same & forward the same to SEIAA for further necessary action.

DECISION OF SEAC

PP had submitted withdrawal request by letter dated 18/06/2020, Committee decided to accept the same & forward the same to SEIAA for further necessary action.

Specific Conditions by SEAC:

SEIAA DECISION

PP had submitted withdrawal request by letter dated 04/07/2018, SEAC decided to accept the same & forward the same to SEIAA for further necessary action.

SEIAA Decision-

SEIAA after deliberation decided to reject the proposal.

Specific Conditions by SEIAA:

FINAL RECOMMENDATION

SEIAA have decided to reject the proposal due to above reasons.

208th Meeting of SEIAA

SEIAA Meeting number: 208 **Meeting Date** September 14, 2020

Subject: Environment Clearance for Residential Development at BPCL Staff Colony, Chembur, Mumbai

Is a Violation Case: No

1.Name of Project	Residential Development at BPCL Staff Colony, Chembur, Mumbai
2.Type of institution	Semi Government
3.Name of Project Proponent	M/s. Bharat Petroleum Corporation Ltd.
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	Expansion project in which most of the structures are constructed and occupied prior to Buildings prior to EIA Notification, 1994 as amended in 2004 for construction projects and also as per EIA Notification 2006 and now there is proposed expansion .
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Expansion project in which most of the structures are constructed and occupied prior to Buildings prior to EIA Notification, 1994 as amended in 2004 for construction projects and also as per EIA Notification 2006 and now there is proposed expansion.
8.Location of the project	Plot bearing C.T.S. No. 231, 232 & 234 of Village Wadhavali & C.T.S. No. 168 of Village Maravali at Chembur, Mumbai.
9.Taluka	Kurla
10.Village	Village Wadhavali and Village Maravali
Correspondence Name:	Mr. Milind M. Labhane [Dy. General Manager Estates (MR)]
Room Number:	--
Floor:	3RD FLOOR
Building Name:	South Block, Admin Building
Road/Street Name:	--
Locality:	BPCL Refinery, Mahul - 400074.
City:	BPCL Refinery, Mahul - 400074.
11.Whether in Corporation / Municipal / other area	Municipal Corporation of Greater Mumbai (M.C.G.M.)
12.IOD/IOA/Concession/Plan Approval Number	For Block no. 39 : Received IOD and Amended IOD dt. 06.09.2011 and 16.03.2013 respectively . Received Occupation certificate dt. 28.04.2014 , For Block no. 40 - Received IOD letter dt. 19.10.2016, o Received CC up to Stilt Top from MCGM for Block No. 40 dt. 25.10.2017
	IOD/IOA/Concession/Plan Approval Number: For Block No. 39 (OC no.): CE/6538/BPES/AM , For Block no. 40 (IOD No.) : No. CHE/625/BP (Spl. Cell)/AME/337 of 2016-17
	Approved Built-up Area: 78105.414
13.Note on the initiated work (If applicable)	Buildings prior to EIA Notification, 1994 as amended in 2004 for construction projects : On the plot under consideration most of the buildings (i.e. Block No. 1 to 38, Bungalows 1 to 6, Trombay Club, Changing Rooms, Gate House, Servant Quarters, Sports Complex, Nursery School, Telephone Exchange, Store) were constructed and occupied prior to the year 2004 hence are not coming under purview of EIA Notification, 1994 as amended in 2004 for construction projects nor as per EIA Notification, 2006, Buildings under purview of EIA Notification: o Received IOD and Amended IOD dt. 06.09.2011 and 16.03.2013 respectively for Block No. 39 o Received Occupation certificate dt. 28.04.2014 o Received CC up to Stilt Top from MCGM for Block No. 40 dt. 25.10.2017
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	For proposed Block No. 40 : Received IOD from MCGM dt. 19.10 2016
15.Total Plot Area (sq. m.)	2, 10,851.90 Sq.mt.
16.Deductions	36,109.62 Sq. mt.
17.Net Plot area	1,74,742.28 Sq.mt.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 78105.414 (Buildings prior to EIA Notification, 1994 as amended in 2004 for construction projects and also as per EIA Notification 2006: 61805.854 + Buildings under purview of EIA Notification: 16299.56)
	b) Non FSI area (sq. m.): 3686.65(Buildings prior to EIA Notification, 1994 as amended in 2004 for construction projects and also as per EIA Notification 2006: 2389.35+ Buildings under purview of EIA Notification: 1297.30)
	c) Total BUA area (sq. m.): 81792.06

18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 78105.414
	Approved Non FSI area (sq. m.): 3686.65
	Date of Approval: 19-10-2016
19.Total ground coverage (m2)	Buildings prior to EIA Notification, 1994 as amended in 2004 for construction projects: 18106.22 Sq. mt. Buildings under purview of EIA Notification: 1274.65 Sq. mt. Total Ground coverage: 19380.87 Sq.mt. (11 %)
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	11 %
21.Estimated cost of the project	492600000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Buildings prior to EIA Notification, 1994 as amended in 2004 for construction projects and also as per EIA Notification 2006	--	--
2	Block 1 to 14	Ground + 2 Floors	Block 1 to 4: 10.5 , Block 5 to 14: 9.0 mt.
3	Block 15 to 19	Stilt + 3 Floors	12.0 mt.
4	Block 20 to 22	Ground + 7 Floors	24.0 mt.
5	Block 23	Stilt + 7 Floors	24.0 mt.
6	Block 24,25, 26	Ground + 7 Floors	24.0 mt.
7	Block 27 to 30	Stilt + 7 Floors	24.0 mt.
8	Block 31 to 36	Ground + 7 Floors	24.0 mt.
9	Block 37,38	Stilt + 14 Floors	42.5 mt.
10	Bunglow -1 to 6	Ground Floor	3.5 mt.
11	Trombay Club	Ground Floor	--
12	Changing rooms	Ground + 1 Floor	--
13	Gate House	Ground Floor	--
14	Servant Quarters	Ground Floor	--
15	Sports Complex	Ground Floor	--
16	Nursery School	Ground Floor	--
17	Telephone exchange	Ground Floor	--
18	Store	Ground Floor	--
19	Buildings under purview of EIA Notification	--	--
20	Block 39	Stilt + 11 Floors	36.15 mt.
21	Block 40	Ground +18 Floors	59.10 (Up to Terrace Level)

23.Number of tenants and shops	Buildings prior to EIA Notification, 1994 as amended in 2004 for construction projects and also as per EIA Notification 2006 Block 1 to 38: 488 Nos. Bunglow -1 to 6 Amenities : Trombay Club , Changing rooms, Gate House, Servant Quarters, Sports Complex, Nursery School, Telephone exchange, Store Buildings under purview of EIA Notification Block 39 : 42 nos, Block 40 : 36 Nos.
24.Number of expected residents / users	Buildings prior to EIA Notification, 1994 as amended in 2004 for construction projects and also as per EIA Notification 2006: 2528 Nos. Buildings under purview of EIA Notification: 468 Nos. Total: 2996 Nos.

25.Tenant density per hectare	Buildings prior to EIA Notification, 1994 as amended in 2004 for construction projects: 29/Ha , Buildings under purview of EIA Notification: 5/Ha
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	12.0 mt. wide road connecting to 27.45 m wide road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Min 9.0 mt
29.Existing structure (s) if any	As mentioned in point no. 13
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**	MCGM and From Tanker water/ In future–Bore well water with prior permission of CGWA
	Fresh water (CMD):	266 (Buildings not under purview of EIA Notification: 224 + Buildings under purview of EIA Notification: 42)
	Recycled water - Flushing (CMD):	135 (Buildings not under purview of EIA Notification: 114 + Buildings under purview of EIA Notification : 21 by STP treated sewage)
	Recycled water - Gardening (CMD):	25
	Swimming pool make up (Cum):	4 KLD
	Total Water Requirement (CMD) :	430 KLD
	Fire fighting - Underground water tank(CMD):	Existing Buildings prior to EIA Notification: 861 KL, Block 39 & 40 : 200 KL
	Fire fighting - Overhead water tank(CMD):	Existing Buildings prior to EIA Notification: 995 KL, BLock 39 & 40 : 60 KL
	Excess treated water	For Block 1, 20 to 36, Amenities: 167, For Block 2 to 4, 5 to 19, 37, 38, Bungalow 1 to 6 , & Block 39 & 40 : 117

Wet season:	**Source of water**	MCGM and From Tanker water/ In future–Bore well water with prior permission of CGWA
	Fresh water (CMD):	266 (Buildings not under purview of EIA Notification: 224 + Buildings under purview of EIA Notification: 42)
	Recycled water - Flushing (CMD):	135 (Buildings not under purview of EIA Notification: 114 + Buildings under purview of EIA Notification : 21 by STP treated sewage)
	Recycled water - Gardening (CMD):	--
	Swimming pool make up (Cum):	4 KLD
	Total Water Requirement (CMD) :	405 KLD
	Fire fighting - Underground water tank(CMD):	Existing Buildings prior to EIA Notification: 861 KL, Block 39 & 40 : 200 KL
	Fire fighting - Overhead water tank(CMD):	Existing Buildings prior to EIA Notification: 995 KL, BLock 39 & 40 : 60 KL
	Excess treated water	For Block 1, 20 to 36, Amenities: 167, For Block 2 to 4, 5 to 19, 37, 38, Bungalow 1 to 6 , & Block 39 & 40 : 142
Details of Swimming pool (If any)	Volume of swimming pool : 302.4 Cum	

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:**	4.95m ground level
	Size and no of RWH tank(s) and Quantity:	Block No. 39: 1 RWH tank of 15 KL , Block No. 40: 1 RWH tank of 25 KL
	Location of the RWH tank(s):	Underground
	Quantity of recharge pits:	21 Nos. of Recharge pits for Existing buildings
	Size of recharge pits :	--
	Budgetary allocation (Capital cost) :	Rs. 47.80 Lacs
	Budgetary allocation (O & M cost) :	Rs. 2.22 Lacs/annum
	Details of UGT tanks if any :	Underground

35.Storm water drainage	**Natural water drainage pattern:**	The storm water collected through the storm water drains of adequate capacity will be discharged into the external drain.
	Quantity of storm water:	2.99 m3/sec
	Size of SWD:	Total capacity of drain: 9.89 m3/sec
Sewage and Waste water	**Sewage generation in KLD:**	Block 1, 20 to 36, Amenities: 167 , Block 2 to 4, 5 to 19, 37, 38, Bungalow 1 to 6: 126, Block 39 & 40 : 55
	STP technology:	Block 1, 20 to 36, Amenities: The sewage shall be disposed to sewer line and from main sewer line it will be diverted through pipeline to STP jointly installed by Rashtriya Chemicals and Fertilizers (RCF) and BPCL and after treatment in STP the treated sewage shall be reused by BPCL refinery for secondary purpose, Block 2 to 4, 5 to 19, 37, 38, Bungalow 1 to 6, Block 39, 40 : Treatment in STP of capacity 200 KLD with Algal Photobioreactor (A-PBR) technology
	Capacity of STP (CMD):	One STP of 200 KL (On site)
	Location & area of the STP:	Ground (1107 sq.mt.)
	Budgetary allocation (Capital cost):	Rs. 600.00 Lacs
	Budgetary allocation (O & M cost):	Rs. 39.04 Lacs/annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Use of excavated earth material within site.
	Disposal of the construction waste debris:	Construction waste shall be partly reused/recycled on site and partly will be disposed to the authorized landfill site.
Waste generation in the operation Phase:	**Dry waste:**	801 kg/day (Buildings not under purview of EIA Notification: 675+ Buildings under purview of EIA Notification: 126)
	Wet waste:	533 kg/day (Buildings not under purview of EIA Notification: 449 + Buildings under purview of EIA Notification: 84)
	Hazardous waste:	not applicable
	Biomedical waste (If applicable):	not applicable
	STP Sludge (Dry sludge):	not applicable
	Others if any:	not applicable
Mode of Disposal of waste:	**Dry waste:**	To recyclers
	Wet waste:	Treatment in Municipal Solid Waste Pilot Plant
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	Ground Floor
	Area for the storage of waste & other material:	--
	Area for machinery:	504 Sq. mt.(including storage of waste)

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 466.40 Lacs (Cost for treatment of biodegradable garbage)
	O & M cost:	Rs. 44.23 Lacs/annum (Cost for treatment of biodegradable garbage)

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	--
42.Mode of Transportation of fuel to site	--

43.Green Belt Development	**Total RG area :**	Reservation(Designated) RG : 35370.29 Sq.m. & Physical RG: 26211.34 Sq.m.
	No of trees to be cut :	5 Nos.
	Number of trees to be planted :	Existing trees on total layout: 5430 Nos., Trees to be planted : 39 Nos.
	List of proposed native trees :	Given in List of proposed plantation on ground
	Timeline for completion of plantation :	Before occupation

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	Azadirachta indica	Neem	13	Large tree, fast-growing evergreen tree, drought resistance, Medicinal properties, good for roadside plantation.
2	Cassia fistula L.	Bahava	13	Is widely grown as an ornamental plant. Growth for this tree is best in full sun on well-drained soil; it is relatively drought tolerant and slightly salt tolerant. It attracts bees and butterflies for pollination
3	Pongamia pinnata (L.) Pierre	Karanj	13	It has large canopy which spreads equally wide, It has potential to grow in salt water soil, drought-tolerant. Its roots maintains the nitrogen content of soil
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	Reliance Infrastructure Ltd. and TATA Power
	During Construction Phase: (Demand Load)	As per requirement
	DG set as Power back-up during construction phase	As per requirement
	During Operation phase (Connected load):	Buildings not under purview of EIA Notification : 7300 KW, Block No. 39: 900 KW and Block No. 40: 962 KW
	During Operation phase (Demand load):	Buildings not under purview of EIA Notification: 650 KW, Block No. 39: 45 KW, Block No. 40 : 48 KW
	Transformer:	--
	DG set as Power back-up during operation phase:	Block No. 39 : 1 DG set of 125 kVA and Block No. 40 : 1 DG set of 320 kVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NOC received from TATA power and copy is attached to Form1 and 1A

48.Energy saving by non-conventional method:

? Solar PV System for common area lighting
? Use of LED Lamp in Flats & Common area.
? Use of BEE FIVE star certified Air conditioners in flats.
? Use of VFD for Lifts and high efficient pumps
? Proposed Solar PV panels for existing buildings also

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar PV System for common area lighting	Solar PV System for common area lighting
2	Use of LED Lamp in Flats & Common area	Use of LED Lamp in Flats & Common area
3	Use of BEE FIVE star certified Air conditioners in flats	Use of VFD for Lifts and high efficient pumps
4	Use of VFD for Lifts and high efficient pumps	Use of VFD for Lifts and high efficient pumps
5	Buildings not under purview of EIA Notification	20 %
6	Block No. 39	4 %
7	Block No. 40	15 %

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. 31.00 Lacs (Costing for Solar Panels)
	O & M cost:	Rs. 2.00 Lacs/annum (Costing for Solar Panels)

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	Dust Suppression	0.36
2	Air Environment	Air & Noise monitoring By outside MOEF Approved Laboratory	0.22
3	Water Environment	Drinking water analysis	0.18
4	Land Environment	Site Sanitation	5.00
5	Health & Hygiene	Disinfection at site-Pest Control	1.20
6	Health & Hygiene	Health Check Up of workers	1.50
7	Cost towards Disaster management	--	44.51

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air Environment & Biological Environment	Cost for Gardening	30.75	20.73
2	Air Environment & Biological Environment	Cost for Ambient air & Noise Monitoring	*No set up cost is involved	0.22
3	Air Environment & Biological Environment	DG Stack Exhaust Monitoring	*No set up cost is involved	0.10

4	Water Environment (Water Conservation (Rain Water Harvesting System)	Cost for RWH tanks & recharge pits	41.80	2.10
5	Water Environment (Water Conservation (Rain Water Harvesting System)	Cost for treatment unit for rain water tanks	6.00	0.02
6	Water Environment (Water Conservation (Rain Water Harvesting System)	Rain Water Quality Monitoring	*No set up cost is involved	0.10
7	Land Environment (Solid Waste Management)	Cost for Treatment of biodegradable garbage	466.40	44.23
8	Energy Conservation	Solar system	31.00	2.00
9	Cost towards Disaster management	--	117.94	5.54
10	Water Environment-Cost for Waste water treatment	Cost for Sewage Treatment Plants	600	39.04
11	Water Environment-Cost for water & waste water Monitoring	Cost for water & waste water Monitoring	30.00	1.00
12	Water Environment-Cost for water & waste water Monitoring	--By outside MoEF & CC Approved Laboratory	No set up cost is involved	0.05

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:	one entry and one exit

Parking details:	**Number and area of basement:**	Nil
	Number and area of podia:	No applicable
	Total Parking area:	Buildings not under purview of EIA Notification: 13537.50 sq.mt., Block No. 39 : 2805.00 Sq. mt. , Block No. 40 : 2140.00 Sq. mt.
	Area per car:	--
	Area per car:	--
	Number of 2-Wheelers as approved by competent authority:	Buildings not under purview of EIA Notification: 226 nos, Block No. 39 : 20 nos. , Block No. 40 : 25 nos.
	Number of 4-Wheelers as approved by competent authority:	Buildings not under purview of EIA Notification: 1083 nos, Block No. 39 : 115 nos. , Block No. 40 : 90 nos.
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	Mini. 6 mt.
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	no
	Category as per schedule of EIA Notification sheet	8 (a)
	Court cases pending if any	nil
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	19-06-2017

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for Residential Development at BPCL Staff Colony, at Plot bearing C.T.S. No. 231, 232 & 234 of Village Wadhavali & C.T.S. No. 168 of Village Maravali at Chembur, Mumbai by M/s. Bharat Petroleum Corporation Ltd.

PP had submitted withdrawal request by letter dated 04/07/2018, Committee decided to accept the same & forward the same to SEIAA for further necessary action.

DECISION OF SEAC

PP had submitted withdrawal request by letter dated 04/07/2018, Committee decided to accept the same & forward the same to SEIAA for further necessary action.

Specific Conditions by SEAC:

SEIAA DECISION

PP had submitted withdrawal request by letter dated 04/07/2018, SEAC decided to accept the same & forward the same to SEIAA for further necessary action.

SEIAA Decision-

SEIAA after deliberation decided to reject the proposal.

Specific Conditions by SEIAA:

FINAL RECOMMENDATION

SEIAA have decided to reject the proposal due to above reasons.

208th Meeting of SEIAA

SEIAA Meeting number: 208 **Meeting Date** September 14, 2020

Subject: Environment Clearance for Government of Maharashtra (PWD) & Rare Townships Private Limited

Is a Violation Case: Yes

1.Name of Project	Proposed GoM Residential cum Developer's Residential project
2.Type of institution	Semi Government
3.Name of Project Proponent	Government of Maharashtra (PWD) & Rare Townships Private Limited
4.Name of Consultant	M/s. AQURA LABS PVT.LTD
5.Type of project	Housing Project (GoM Residential cum Developer's Residential 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	CTS No. 194B, Survey No 236A, PWD Ground, Ghatkopar - Mankhurd Link Road,Ghatkopar (E), Mumbai- 400 077
9.Taluka	Kurla
10.Village	Ghatkopar
Correspondence Name:	M/s Rare Townships Private Limited
Room Number:	CTS No. 194B
Floor:	Ground floor
Building Name:	PWD Ground
Road/Street Name:	Ghatkopar- Mankhurd Link Road
Locality:	Ghatkopar (E)
City:	Mumbai - 400 077
11.Whether in Corporation / Municipal / other area	Mumbai Corporation Of Greater Mumbai (MCGM)
12.IOD/IOA/Concession/Plan Approval Number	IOA & CC
	IOD/IOA/Concession/Plan Approval Number: IOA Approval Number - CE/406/BPES/GovT/N, CC Approval Number - CE/406BPES/GovT/N
	Approved Built-up Area: 181126.00
13.Note on the initiated work (If applicable)	We had obtained EC on 21 Mar 2006. To start with we have constructed Govt component of work. The Govt work is progressed to about 80% progress. The scope of work more or less remains the same. Developer's component has been taken up later which has reached to about 26% progress.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	5,20,641.65 Sqm
16.Deductions	2,75,019.01 Sqm
17.Net Plot area	3,09,583.42 Sqm for FSI Calculation
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 2,32,187.57 Sqm
	b) Non FSI area (sq. m.): 87,644.75 Sqm
	c) Total BUA area (sq. m.): 320332.32
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 2,32,187.57 Sqm
	Approved Non FSI area (sq. m.): 87,644.75 Sqm
	Date of Approval: 15-07-2013
19.Total ground coverage (m2)	22,425.33 Sqm
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	9.16 %
21.Estimated cost of the project	9190000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Sale component: Building No. 1 (Residential)	Wing A1 - A6 : 3Basements + Stilt + 2 Podiums + 28 Floors	95.75
2	PWD component : Building No. 1 (Residential)	Wing 1: Stilt+15 Floors	59.95
3	PWD component : Building No. 2 (Residential)	Wing 2 & 3 : Stilt+21 Floors	71.01
4	PWD component : Building No. 1 (Residential)	Wing 4,5,9 & 10 : Stilt+21 Floors	71.01
5	PWD component : Building No. 1 (Residential)	Wing 6,7, 8 : Stilt+14Floors	50.55
6	PWD component : Rest House	Ground + 11 floors	42.85
7	PWD component : Shopping Centre	Ground + 1floor	12.830
8	PWD component : Club House	Ground + 1floor	10.00
9	PWD component : Medical Centre	Ground floor	8.80
10	Building No. 6 (HIndu temple)	Basements + Stilt + 2 Floors	18.30
11	Building No. 6 (HIndu temple)	Basements + Stilt + 2 Floors	18.30

23.Number of tenants and shops	Total number of flats: Residential : Sale component : 1143 PWD component: 1199 Shops: 22 nos. Rest House : 151 units Medical Centre : 68 units
24.Number of expected residents / users	13355
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)	24.00 mtrs wide proposed D.P road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.0 mtrs
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**	MCGM
	Fresh water (CMD):	1257
	Recycled water - Flushing (CMD):	618
	Recycled water - Gardening (CMD):	212
	Swimming pool make up (Cum):	120
	Total Water Requirement (CMD) :	2226
	Fire fighting - Underground water tank(CMD):	1100
	Fire fighting - Overhead water tank(CMD):	480
	Excess treated water	706
Wet season:	**Source of water**	MCGM
	Fresh water (CMD):	1257
	Recycled water - Flushing (CMD):	618
	Recycled water - Gardening (CMD):	212
	Swimming pool make up (Cum):	120
	Total Water Requirement (CMD) :	2226
	Fire fighting - Underground water tank(CMD):	1100
	Fire fighting - Overhead water tank(CMD):	480
	Excess treated water	706
Details of Swimming pool (If any)	Proposed swimming pool in podium level.	

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	1257	1257	1257	Nil	Nil	Nil	Nil	Nil	Nil
Gardening	212	212	212	Nil	Nil	Nil	Nil	Nil	Nil

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	1m to 2m below ground level.
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	9 Nos
	Size of recharge pits :	3.5m dia x 2.5m depth
	Budgetary allocation (Capital cost) :	Rs. 18 Lakh
	Budgetary allocation (O & M cost) :	Rs. 50 Thousand
	Details of UGT tanks if any :	UG Tanks are proposed in Basement floor level for Sale building & for PWD buildings UG Tanks are proposed at Ground floor level
35.Storm water drainage	**Natural water drainage pattern:**	By Gravity flow.
	Quantity of storm water:	2000 CuM
	Size of SWD:	As approved by MCGM.
Sewage and Waste water	**Sewage generation in KLD:**	1555
	STP technology:	Moving Bed Bioreactor (MBBR) Technology
	Capacity of STP (CMD):	6 Nos of STP & 1920 KLD cumulative capacity.
	Location & area of the STP:	Proposed at Basement level & Ground level
	Budgetary allocation (Capital cost):	Rs. 310 Lakh
	Budgetary allocation (O & M cost):	Rs. 45 Lakh
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Cement bags, broken concrete, saw dust & wooden pieces etc.
	Disposal of the construction waste debris:	Recyclable material is sold and non-recyclable are disposed off as per MCGM Debris Management approval.
Waste generation in the operation Phase:	**Dry waste:**	2.90 TPD
	Wet waste:	2.37 TPD
	Hazardous waste:	NA
	Biomedical waste (If applicable):	2 Kg/Day
	STP Sludge (Dry sludge):	86 Kg /Day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Disposed to the Municipal waste collection system and recyclable waste to be taken away by private contractor for recycling.
	Wet waste:	Treatment in mechanical composting units provided at the ground level within the premises. The manure generated will be used for gardening.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	Biomedical waste shall be disposed off through specialist contractor.
	STP Sludge (Dry sludge):	Dried STP sludge will be used as manure for gardening
	Others if any:	NA
Area requirement:	**Location(s):**	On Ground level.
	Area for the storage of waste & other material:	4m x 4m x 1m bins.
	Area for machinery:	2 x Organic Wate Convertor of size 10m x 12m.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 30 Lakh
	O & M cost:	Rs. 2.5 Lakh++

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 :**	RG 42,384.45 Sqm
	No of trees to be cut :	Nil
	Number of trees to be planted :	1595
	List of proposed native trees :	Neem, Karanj, Satwin, Kadamba, Sita Ashoka, Pangara.
	Timeline for completion of plantation :	December 2020

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	Azardirachta indica	Neem	300	Large tree, good for roadside plantation
2	Pongamia pinnata	Karanj	300	Shady tree.
3	Alistonia scholaris	Satwin	300	Shady Tree, white fragrant flowers
4	Anthocephallus cadamba	Kadamba	300	Shady, large tree, ball shaped flowers.
5	Saraca ashoka	Sita Ashoka	300	Shady tree with red-yellow flowers.
6	Ficus retusa	Nandruk	95	Shady tree, good for roadside plantation.
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	Lemon grass/ Gavati Chaha	1m	1
2	Tulas	0.4m	0.6
3	Korphad	0.4m	0.5
4	Adulasa	3.5m	3
5	Chitrak	0.5m	0.4
6	Krishna kamal	1.5m	1.5
7	Kadipatta	1.5m	0.5

47.Energy

Power requirement:	**Source of power supply :**	Reliance Energy Ltd & Tata Power Supply
	During Construction Phase: (Demand Load)	400 KW
	DG set as Power back-up during construction phase	D.G sets shall be used as per the requirements.
	During Operation phase (Connected load):	27211 KW
	During Operation phase (Demand load):	18650 KW
	Transformer:	To be installed by power supply company as required.
	DG set as Power back-up during operation phase:	2 Nos of 750 kVA.
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Energy saving measures:
Energy conservation will be done by adopting the following methods.
a) Energy efficient LED lamps will be used.
b) Presence sensors & day - light sensors will be provided where evr feasible.
c) Solar operated pole lights will be proposed to power pathway lights at some strategic locations.
d) Use of energy saving devices .
e) General lighting shall be through energy efficient and illumination levels shall be generally in line with National Building Code.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Details attached	5.58 Mil Units @ 22.51%.

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. 26 Lakh
	O & M cost:	Rs. 3 Lakh

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air	Water For Dust Suppression	5
2	Soil	Site Sanitation	5

3	Noise	DG set with silent features	8
4	Water	Recyclable	3
5	Energy	Energy efficient devices	10

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP	MBBR technology (303MLD capacity)	310	45
2	Environmental Monitoring	Environmental Monitoring	NABL/MOEF approved Laboratory for monitoring	16
3	Solar Lights	150 poles	30	3
4	Gardening	Gardening	50	10
5	Solid Wate Management	Treatment of biodegradable garbage in OWC(4.64 tonnes per Day)	30	2.5
6	Cost for Safety and fire fighting	16 buildings	390	16

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 of the junction to the main road & refer Annexure- 5 for design of confluence

Parking details:	**Number and area of basement:**	61,723.00 Sqm of 3 Basements.
	Number and area of podia:	15,392.16 Sqm of 2 Podiums
	Total Parking area:	Sale component - 168176.95 Sqm in Basements & podiums, PWD Component - 17,300.21 Sqm in Open Space
	Area per car:	13.75
	Area per car:	13.75
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	3342
	Public Transport:	NA
	Width of all Internal roads (m):	All internal roads are 6m wide and 18m wide
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	70m
	Category as per schedule of EIA Notification sheet	B-1
	Court cases pending if any	NA
	Other Relevant Informations	Attached Application Covering Letter Form-1 Form-1A EIA Report
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for project Housing Project (GoM Residential cum Developer's Residential project) at CTS No. 194B, Survey No 236A, PWD Ground, Ghatkopar - Mankhurd Link Road,Ghatkopar (E), Mumbai by Government of Maharashtra (PWD) & Rare Townships Private Limited.

PP had submitted withdrawal request by letter dated 11/05/2020, Committee decided to accept the same & forward the same to SEIAA for further necessary action.

DECISION OF SEAC

PP had submitted withdrawal request by letter dated 11/05/2020, Committee decided to accept the same & forward the same to SEIAA for further necessary action.

Specific Conditions by SEAC:

SEIAA DECISION

PP had submitted withdrawal request by letter dated 11/05/2020, SEAC decided to accept the same & forward the same to SEIAA for further necessary action.

SEIAA Decision-

SEIAA after deliberation decided to reject the proposal.

Specific Conditions by SEIAA:

FINAL RECOMMENDATION

SEIAA have decided to reject the proposal due to above reasons.

208th Meeting of SEIAA

SEIAA Meeting number: 208 **Meeting Date** September 14, 2020

Subject: Environment Clearance for "Ecocity" –Township under Rental Housing Scheme of MMRDA

Is a Violation Case: No

1.Name of Project	"Ecocity" –Township under Rental Housing Scheme of MMRDA
2.Type of institution	Green Building
3.Name of Project Proponent	M/s. TATA Housing Development Co. Ltd.
4.Name of Consultant	M/s. Ultra-Tech
5.Type of project	Rental Housing Scheme of MMRDA
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion and Amendment
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Received Environmental Clearance dated 17.09.2011 and Amendment in Environmental Clearance dated 08.12.2014
8.Location of the project	S. No. 32, 34, 35, 36, 37, 49, H. No. 1 to 9, S. No. 50, 51, 52, H. No. 2, 4/2 S. No. 53., H. No. 1A & 8, S. No. 16 & 18 of village Ranjanoli, Bhiwandi Taluka, District Thane
9.Taluka	Bhiwandi
10.Village	Ranjanoli
11.Whether in Corporation / Municipal / other area	Local Planning Authority: Mumbai Metropolitan Region Development Authority (MMRDA)
12.IOD/IOA/Concession/Plan Approval Number	Commencement Certificate: SROT / BSNA / 2501 / BP / Amended / Ranjnoli-02/454/2017 dated 6th April 2017 AND Locational Clearance: MMRDA / RHD / RHS – 24 (II) / 2016 / 10 dated 10th Jan 2017
	IOD/IOA/Concession/Plan Approval Number: Commencement Certificate: SROT / BSNA / 2501 / BP / Amended / Ranjnoli-02/454/2017 dated 6th April 2017 AND Locational Clearance: MMRDA / RHD / RHS – 24 (II) / 2016 / 10 dated 10th Jan 2017
	Approved Built-up Area: 329053.87
13.Note on the initiated work (If applicable)	•Total constructed work (FSI+ Non FSI): 2, 62,097.10 Sq. m. • Received Environmental Clearance dated 17.09.2011 and Amendment in Environmental Clearance dated 08.12.2014
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Environmental Clearance (EC) received dated 17.09.2011 and 08.12.2014
15.Total Plot Area (sq. m.)	93,095.55 Sq. m.
16.Deductions	10,832.19 Sq. m.
17.Net Plot area	82,263.36 Sq. m.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 2,91,527.92
	b) Non FSI area (sq. m.): 2,44,064.48
	c) Total BUA area (sq. m.): 5,35,592.40
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	17048.94
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	20.7
21.Estimated cost of the project	7250000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Phase 1: Rental - Building 2A	Ground + 23 floors	67.55
2	Phase 1: Rental - Building 2B	Ground + 23 floors	67.55

3	Phase 1: Sale - Building A2	3 Parking floors + Stilt + 24 Upper floors	83.00
4	Phase 1: Sale - Building A3	3 Parking floors + Stilt + 24 Upper floors	83.00
5	Phase 1: Sale - Building A4	3 Parking floors + Stilt + 24 Upper floors	83.00
6	Phase 1: Sale - Building A5	3 Parking floors + Stilt + 24 Upper floors	83.00
7	Phase 1: Sale - Building A8	3 Parking floors + Stilt + 29 Upper floors	97.50
8	Phase 1: Sale - Building A9	3 Parking floors + Stilt + 29 Upper floors	97.50
9	Phase 1: Sale - Building A10	3 Parking floors + Stilt + 29 Upper floors	97.50
10	Phase 1: Sale - Building A11	3 Parking floors + Stilt + 29 Upper floors	97.50
11	Phase 1: Sale - Building B6	3 Parking floors + Stilt + 24 Upper floors	83.00
12	Phase 1: Sale - Building B12	3 Parking floors + Stilt + 29 Upper floors	97.50
13	Phase 1: Sale - Building C1	3 Parking floors + Stilt + 34 Upper floors	114.90
14	Phase 1: Sale - Building D7	3 Parking floors + Stilt + 29 Upper floors	97.50
15	Phase 2 : Rental - Building 1	Ground + 22 floors + 23rd Part floor	67.55
16	Phase 2 : Sale - Building C13	3 Parking floors + Stilt + 37 floors	120.70
17	Phase 2 : Sale - Building C14	3 Parking floors + Stilt + 37 floors	120.70
18	Phase 2 : Sale - Building C15	3 Parking floors + Stilt + 37 floors	120.70
19	Phase 2 : Sale - Building C16	3 Parking floors + Stilt + 37 floors	120.70
20	Phase 2 : Sale - Building D17	3 Parking floors + Stilt + 37 floors	120.70
21	Phase 2 : Sale - Building D18	3 Parking floors + Stilt + 37 floors	120.70

23.Number of tenants and shops	Phase 1: Rental: Total Flats: 2488 Nos.; Shops: 24 Nos. ; Balwadi: 12 Nos.; Welfare Center: 12 Nos.; Manager cabin: 5 Nos.; Meter room: 24 Nos. Phase 1 : Sale: Total Flats: 1642 Nos. Phase 2: Rental: Total Flats: 1086 Nos.; Shops: 6 Nos.; Balwadi: 3 Nos.; Welfare Center: 3 Nos.; Manager cabin: 2 Nos.; Meter room: 8 Nos. Phase 2: Sale: Total Flats: 958 Nos.
24.Number of expected residents / users	Rental: Phase 1 - 12717 nos. ; Sale: Phase 1- 8210 nos. and Rental: Phase 2 - 5503 nos.; Sale: Phase 2 - 4790 nos.
25.Tenant density per hectare	755
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Bhiwandi - Kalyan State Highway (SH – 222) and Mumbai Nashik Highway

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	--
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**	Shahad Temgarh (STEM) Water Authority
	Fresh water (CMD):	2785
	Recycled water - Flushing (CMD):	1398
	Recycled water - Gardening (CMD):	26
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	4209
	Fire fighting - Underground water tank(CMD):	Phase 1 Rental: 200 KL; Phase 2: Rental: 100 KL Phase 1: Sale: 708 KL AND Phase 2: Sale: 315 KL
	Fire fighting - Overhead water tank(CMD):	Phase 1 Rental: 132 KL; Phase 2: Rental: 66 KL Phase 1: Sale: 378 KL AND Phase 2: Sale: 180KL
	Excess treated water	1839

Wet season:	**Source of water**	Shahad Temgarh (STEM) Water Authority
	Fresh water (CMD):	2785
	Recycled water - Flushing (CMD):	1398
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	4183
	Fire fighting - Underground water tank(CMD):	Phase 1 Rental: 200 KL; Phase 2: Rental: 100 KL Phase 1: Sale: 708 KL AND Phase 2: Sale: 315 KL
	Fire fighting - Overhead water tank(CMD):	Phase 1 Rental: 132 KL; Phase 2: Rental: 66 KL Phase 1: Sale: 378 KL AND Phase 2: Sale: 180KL
	Excess treated water	1865
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	1.50 mt. below ground level
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	28 nos. of Recharge pits
	Size of recharge pits :	3.50 m X 3.50 m X 4.3 m
	Budgetary allocation (Capital cost) :	Rs. 35.00 Lacs
	Budgetary allocation (O & M cost) :	Rs. 1.75 Lacs/annum
	Details of UGT tanks if any :	Location(s) of the UGT tank(s): Underground Phase 1: Rental: Firefighting Tank: 200 KL Phase 1: Rental: Domestic Tank: 1080 KL Phase 1: Rental: Flushing Tank: 545 KL Phase 1: Sale: Firefighting Tank: 708 KL Phase 1: Sale: Domestic Tank: 638 KL Phase 1: Sale: Flushing Tank: 347 KL Phase 2: Rental: Firefighting Tank: 100 KL Phase 2: Rental: Domestic Tank: 540 KL Phase 2: Rental: Flushing Tank: 222 KL Phase 2: Sale: Firefighting Tank: 315 KL Phase 2: Sale: Domestic Tank: 360 KL Phase 2: Sale: Flushing Tank: 325 KL
35.Storm water drainage	**Natural water drainage pattern:**	The storm water collected through the storm water drains of adequate capacity will be discharged in to the external drain
	Quantity of storm water:	2.31 m3/sec
	Size of SWD:	EXTERNAL DRAIN : 95.72 m3/sec
Sewage and Waste water	**Sewage generation in KLD:**	Phase 1-Rental = 1467 , Phase 2 - Rental = 638 , Phase 1- Sale = 960, Phase 2 - Sale = 561
	STP technology:	Submerged Aerated Fixed Film Reactor (SAFF)
	Capacity of STP (CMD):	Phase 1-Rental: 2 STP of capacity 760 KL & 715 KL, Phase 2-Rental: 700 KL, Phase 1- Sale & Phase 2 - Sale: Combined STP of 1600 KL
	Location & area of the STP:	Underground. Phase 1-Rental: 1415 Sq. m., Phase 2-Rental: 530 Sq. m., Phase 1- Sale & Phase 2 - Sale: 1450 Sq. m.
	Budgetary allocation (Capital cost):	Rs. 322.00 Lacs
	Budgetary allocation (O & M cost):	Rs. 30.45 Lacs/annum

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Excavated material (1,20,000 Cum) is reused on site for backfilling and excavated material (4,000 Cum) has been stacked on site & will be reused for backfilling Excavation material (83,000 Cum)shall be reused on site for backfilling
	Disposal of the construction waste debris:	Use of Construction waste for waterproofing work and paving & landscaping areas & for back filling
Waste generation in the operation Phase:	**Dry waste:**	4197 kg
	Wet waste:	9731 kg
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	544 kg
	Others if any:	NA
Mode of Disposal of waste:	**Dry waste:**	o Non recyclable: To Group Grampanchayat Pimpalghar & Ranjanoli o Recyclable: To recyclers
	Wet waste:	Organic Waste Converter (OWC)
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	As manure
	Others if any:	NA
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	555 Sq. m.
	Area for machinery:	108 Sq. m.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 60.00 lacs
	O & M cost:	Rs. 7.44 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 :**	6836.36 Sq. m.
	No of trees to be cut :	NA
	Number of trees to be planted :	Already planted: 491 nos. & To be planted: 690 nos.
	List of proposed native trees :	As given below in list of proposed plantation on ground
	Timeline for completion of plantation :	Before occupation

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	Plumeria singaporensis	Dwarf plumeria	8	Ornamental plant that is planted for its profuse and fragrant flowers.
2	Cassia fistula	Bahava	120	Is widely grown as an ornamental plant. Growth for this tree is best in full sun on well-drained soil; it is relatively drought tolerant and slightly salt tolerant. It attracts bees and butterflies for pollination.
3	Roystonea regia	Royal palms	2	Roystonea regia has been planted throughout the tropics and subtropics as an ornamental.[16] The seed is used as a source of oil and for livestock feed. Leaves are used for thatching and the wood for construction

4	Cascabela thevetia	Thevetia species	420	Cascabela thevetia is cultivated as an ornamental plant, and planted as large flowering shrub or small ornamental tree standards in gardens and parks in temperate climates.The plant's toxins have tested in experiments for uses in biological pest control. T. peruviana seed oil was used to make a 'paint' with antifungal, antibacterial and anti-termite properties
5	Cordia sebestena	Siricote	40	The tree is sometimes harvested from the wild for its edible fruit, which is eaten locally. The fruit also has medicinal uses and the timber is used locally.
6	Putranjiva roxburghii	Putranjiva	100	Medium sized evergreen tree, Its bark, leaves and fruit has medicinal properties.
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 :**	Torrent Power Company Limited
	During Construction Phase: (Demand Load)	150 KW
	DG set as Power back-up during construction phase	3 Nos. of capacity 62.5 kVA,125 kVA and 40 kVA
	During Operation phase (Connected load):	20578 KW
	During Operation phase (Demand load):	14405 KW
	Transformer:	6 nos. of 1250 kVA and 2 nos. of 1000 kVA
	DG set as Power back-up during operation phase:	Phase 1: Rental: 2 D.G. Sets of capacity 380 kVA and 600 kVA; Phase 1: Sale; 6 D.G. Sets of capacity 250 kVA each 1 D.G. Set of capacity 380 kVA 1 D.G. Set of capacity 600 kVA ; Phase 2: Rental:2 D.G. Sets of capacity 380 kVA and 600 kVA AND Phase 2 : Sale:3 D.G. Sets of capacity 300 kVA each 1 D.G. Set of capacity 220 kVA 1 D.G. Set of capacity 500 kVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	High Tension Line is passing through the plot. NOC received from Maharashtra State Electricity Co. Ltd. for horizontal and vertical clearances

48.Energy saving by non-conventional method:

? Provision of Solar Water Heating
? Use of High Efficiency Motors
? Provision of LED lights
? Using motors with VDF control

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	? Provision of Solar Water Heating ? Use of High Efficiency Motors ? Provision of LED lights ? Using motors with VDF control	20 %

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. 270.00 lacs (Solar system)
	O & M cost:	Rs. 5.40 lacs/annum (Solar system)

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	Dust Suppression	5.40
2	Air Environment	Air & Noise Quality Monitoring - On site sensors	10.00
3	Air Environment	Air & Noise Quality Monitoring -By outside MOEF Approved Laboratory	5.50
4	Air Environment	Batching Plant monitoring	1.07
5	Water Environment	Drinking water analysis	0.90
6	Land Environment	Site Sanitation	10.00
7	Socio- Economic Environment	Disinfection- Pest Control & Health Check Up of workers	156.00
8	Cost towards Disaster Management	--	159.75

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air and Noise Environment	Cost for Gardening	65.16	1.20
2	Air and Noise Environment	Cost for Ambient Air quality & Noise Monitoring	*No set up cost is involved	0.22
3	Air and Noise Environment	Cost for Cost for DG Stack Exhaust Monitoring	*No set up cost is involved	0.11

4	Water Environment - Waste water treatment	Cost for Sewage Treatment Plants	250.00	26.10
5	Water Environment - Waste water treatment	Cost for water and Waste water Monitoring - On site sensors	72.00	4.00
6	Water Environment - Waste water treatment	Cost for water and Waste water Monitoring -By outside MOEF Approved Laboratory	*No set up cost is involved	0.35
7	Water Environment - Waste water treatment	Cost for recharge pits	35.00	1.75
8	Land Environment (Solid Waste Management)	Cost for Treatment of biodegradable garbage	60.00	7.20
9	Land Environment (Solid Waste Management)	Cost for Manure Costing	*No set up cost is involved	0.24
10	Energy Conservation	Cost for Solar System	270.00	5.40
11	Cost towards disaster management	-	368.00	11.25

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

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

52.Any Other Information

No Information Available

53.Traffic Management

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

Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	3 Parking levels (81, 728.86 Sq. m.)
	Total Parking area:	1, 18, 711.60 Sq. m.
	Area per car:	As per NBC
	Area per car:	As per NBC
	Number of 2-Wheelers as approved by competent authority:	5265 Nos.
	Number of 4-Wheelers as approved by competent authority:	3580 Nos.
	Public Transport:	NA
	Width of all Internal roads (m):	Minimum 9.0 m. to 18.0 m.
	CRZ/ RRZ clearance obtain, if any:	A small portion of our plot is affected by CRZ and please note that we are neither developing nor we are loading any FSI of that portion in our development. Hence it is not a part of our rental housing scheme sanctioned by MMRDA the plot under consideration.
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8 (b)
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	24-12-2015

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for "Ecocity" –Township under Rental Housing Scheme of MMRDA at S. No. 32, 34, 35, 36, 37, 49, H. No. 1 to 9, S. No. 50, 51, 52, H. No. 2, 4/2 S. No. 53., H. No. 1A & 8, S. No. 16 & 18 of village Ranjanoli, BhiwandiTaluka, District Thane by M/s. TATA Housing Development Co. Ltd.

PP requested SEIAA / SEAC by letter dated 19/02/2018 to reimburse scrutiny fee paid.Committee noted that once scrutiny Fees paid not be refunded. But SEIAA, is final authority to take decision in this regard. Therefore, Committee decided to refer the proposal to SEIAA.

DECISION OF SEAC

Committee noted that once scrutiny Fees paid not be refunded. But SEIAA, is final authority to take decision in this regard. Therefore, Committee decided to refer the proposal to SEIAA.

Specific Conditions by SEAC:

SEIAA DECISION

PP had submitted withdrawal request by letter dated 11/05/2020, SEAC decided to accept the same & forward the same to SEIAA for further necessary action.

SEIAA Decision-

SEIAA after deliberation decided to reject the proposal.

Specific Conditions by SEIAA:

FINAL RECOMMENDATION

SEIAA have decided to reject the proposal due to above reasons.

208th Meeting of SEIAA

SEIAA Meeting number: 208 **Meeting Date** September 14, 2020

Subject: Environment Clearance for Environmental Clearance for Proposed Basalt Stone Quarry (Minor Mineral Project) of Shri. Pramod Gajanan Bhoir at Gat No: 210, 212/1, Mande Village, Wada, Palghar District, Maharashtra. (Total Plot Area 4.77 Ha)

Is a Violation Case: No

1.Name of Project	Shree. Pramod Gajanan Bhoir
2.Type of institution	Private
3.Name of Project Proponent	Shree. Pramod Gajanan Bhoir
4.Name of Consultant	Enviro Resources
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not Applicable
8.Location of the project	Gat No: 210, 212/1
9.Taluka	Wada
10.Village	Mande
Correspondence Name:	Shree. Pramod Gajanan Bhoir
Room Number:	NA
Floor:	NA
Building Name:	NA
Road/Street Name:	NA
Locality:	Kharivali
City:	Kohoj , Thane
11.Whether in Corporation / Municipal / other area	Other Area (Project land is falling under jurisdiction of Grampanchayat)
12.IOD/IOA/Concession/Plan Approval Number	Since it is Basalt Stone Mining Project, Mining Plan has been approved by DGM, Kolhapur as per provision of Maharashtra Minor Mineral Extraction Rules, 2013
	IOD/IOA/Concession/Plan Approval Number: Mining Plan Approval No MIN-Adm/503/III/2018/1056 dated 24th September 2018
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	Not applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NOC from Grampanchayat is received on 16.08.2018
15.Total Plot Area (sq. m.)	47700 Sq.m. (4.77 Ha.)
16.Deductions	0
17.Net Plot area	47700 Sq.m. (4.77 Ha.)
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** Not applicable
	b) Non FSI area (sq. m.): Not applicable
	c) Total BUA area (sq. m.):
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** Not applicable
	Approved Non FSI area (sq. m.): Not applicable
	Date of Approval: 02-05-2019
19.Total ground coverage (m2)	Not applicable
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	5700000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Not applicable	Not applicable	Not applicable

23.Number of tenants and shops	Not applicable
24.Number of expected residents / users	Not applicable
25.Tenant density per hectare	Not applicable
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Not applicable
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Not applicable
29.Existing structure (s) if any	Not applicable
30.Details of the demolition with disposal (If applicable)	Not applicable

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Basalt Stone (Stone Metal)	0	33750	33750

32.Total Water Requirement

Dry season:	**Source of water**	Water Tankers
	Fresh water (CMD):	3.10
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	3.10
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
Wet season:	**Source of water**	Not applicable
	Fresh water (CMD):	Not applicable
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	Not applicable
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
Details of Swimming pool (If any)	Not applicable	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	0	0.5	0.5	0	0.1	0.1	0	0.4	0.4
Industrial Process	0	1.15	1.15	0	1.15	1.15	0	0	0
Gardening	0	1.45	1.45	0	1.45	1.45	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Approx 10m
	Size and no of RWH tank(s) and Quantity:	Not Applicable
	Location of the RWH tank(s):	Not Applicable
	Quantity of recharge pits:	Not Applicable
	Size of recharge pits :	Not Applicable
	Budgetary allocation (Capital cost) :	Not Applicable
	Budgetary allocation (O & M cost) :	Not Applicable
	Details of UGT tanks if any :	Not Applicable
35.Storm water drainage	**Natural water drainage pattern:**	The slope of the area is from East to west within the project site. The runoff will be maintained by providing garland drains around the quarry boundary to maintain the natural slopes
	Quantity of storm water:	Around 11.30 m3/hr of storm water will be generated within the lease area
	Size of SWD:	The runoff will be connected to garland drain
Sewage and Waste water	**Sewage generation in KLD:**	0.4
	STP technology:	Not Applicable; Septic Tank Followed by Soak pits will be provided
	Capacity of STP (CMD):	Not Applicable
	Location & area of the STP:	Not Applicable
	Budgetary allocation (Capital cost):	0.50 Lacs
	Budgetary allocation (O & M cost):	0.15 Lacs
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Not Applicable
	Disposal of the construction waste debris:	Not Applicable
Waste generation in the operation Phase:	**Dry waste:**	Not Applicable
	Wet waste:	Not Applicable
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	The overburden of 125221 tons will be generated during proposed quarry operation of 5 years

Mode of Disposal of waste:	**Dry waste:**	Not Applicable
	Wet waste:	Not Applicable
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Overburden from mining operation will be utilized for development and maintenance of Internal Road, greenbelt and for filling of empty pits during course of mine closure
Area requirement:	**Location(s):**	Overburden will be stored along the lease boundary, close to greenbelt area.
	Area for the storage of waste & other material:	Not Applicable
	Area for machinery:	Not Applicable
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Not Applicable
	O & M cost:	Not Applicable

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	Diesel	Not Applicable	10 liter/ day	10 liter/ day

41.Source of Fuel	Local
42.Mode of Transportation of fuel to site	Fuel storage cans through vehicle

43.Green Belt Development	**Total RG area :**	7658 Sq.m. (0.76 Ha)
	No of trees to be cut :	Not Applicable
	Number of trees to be planted :	96
	List of proposed native trees :	Neem, Mango, Sagon, Bargad, Sheesham, Peepal
	Timeline for completion of plantation :	Plantation will be done after grant of EC and lease or during monsoon period

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	Azadirachta indica	Neem	16	Tolerant to SO2
2	Mangifera indica	Mango	16	Tolerant to Dust control
3	Tectona grandis	Sagon	16	Tolerant to Dust control
4	Ficus benghalensis	Bargad	16	Tolerant to Dust control
5	Dalbergia sisoo	Sheesham	16	Dust particles absorbance
6	Ficus religiosa	Peepal	16	Dust particles absorbance
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	Not Applicable
	During Construction Phase: (Demand Load)	Not Applicable
	DG set as Power back-up during construction phase	Not Applicable
	During Operation phase (Connected load):	Not Applicable
	During Operation phase (Demand load):	Not Applicable
	Transformer:	Not Applicable
	DG set as Power back-up during operation phase:	Not Applicable
	Fuel used:	Not Applicable
	Details of high tension line passing through the plot if any:	Not Applicable

48.Energy saving by non-conventional method:

Not Applicable

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Not Applicable	Not Applicable

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Dust generation due to internal vehicular movement	Not Applicable	Sprinkling of water will be done to to avoid dust nuisance
PM generation due to drilling and blasting operation	Not Applicable	Sprinkling of water will be done to to avoid dust nuisance
Emissions from Vehicles	Not Applicable	PUC certified vehicles will be used
Noise generation	Not Applicable	PPEs will be provided for workers, maintenance of equipment's will be done to avoid higher noise level

Water/ soil pollution due to direct discharge of sewage water on land	Not Applicable	Septic tank followed by soak pits will be provided

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Not Applicable
	O & M cost:	Not Applicable

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Not Applicable	Not Applicable	Not Applicable

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air Environment	Dust suppression system, Water Sprinklers, Provision of Tarpaulin, PUC for vehicles	0.0	1.1
2	Water Environment	on-site temporary sanitation facilities & septic tank followed by soak pit	0.50	0.15
3	Noise Environment	Maintenance of Vehicle and machineries	0.0	0.21
4	Soil Environment	Construction and & Maintenance of Garland to avoid soil erosion during monsoon period	0.30	0.10
5	Environment Monitoring & Management	Monitoring of AAQ & Ground Water	MoEF or NABL Accredited Laboratory	0.50
6	Occupational Health & Safety	Provision of new PPEs for workers, Safety training for workers, Periodic Medical Checkup, First Aid	0.50	0.22
7	Green Belt	Green Belt development and its maintenance	0.24	0.29
8	Road	Maintenance of Road and its further development	0.67	0.27
9	Mine Closure	Implementation of Mine Closure Plan	2.38	0.00

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:	Not Applicable
Parking details:	**Number and area of basement:**	Not Applicable
	Number and area of podia:	Not Applicable
	Total Parking area:	Not Applicable
	Area per car:	Not Applicable
	Area per car:	Not Applicable
	Number of 2-Wheelers as approved by competent authority:	Not Applicable
	Number of 4-Wheelers as approved by competent authority:	Not Applicable
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	1 (a) Category B2
	Court cases pending if any	Not Applicable
	Other Relevant Informations	Not Applicable

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

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for Proposed Basalt Stone Quarry (Minor Mineral Project) at Gat No: 210, 212/1, Mande Village, Wada, Palghar District, by Shri. Pramod Gajanan Bhoir

Committee observed that this is the proposal of stone quarry mining related to SEAC-1 & wrongly placed on SEAC-2 dashboard. Therefore, committee decided to refer the proposal to SEIAA for further necessary action.

DECISION OF SEAC

Committee observed that this is the proposal of stone quarry mining related to SEAC-1 & wrongly placed on SEAC-2 dashboard. Therefore, committee decided to refer the proposal to SEIAA for further necessary action.

Specific Conditions by SEAC:

SEIAA DECISION

Proposal is for processing of stone quarry which is related to SEAC-1 & wrongly placed on SEAC-2 dashboard. Therefore, SEAC decided to refer the proposal to SEIAA for further necessary action.

SEIAA Decision-

SEIAA after deliberation decided to reject the proposal.

Specific Conditions by SEIAA:

FINAL RECOMMENDATION

SEIAA have decided to reject the proposal due to above reasons.

208th Meeting of SEIAA

SEIAA Meeting number: 208 **Meeting Date** September 14, 2020

Subject: Environment Clearance for Municipal Solid Waste Processing and Disposal facility at Village Manda, Titwala-West in KDMC

Is a Violation Case: No

1.Name of Project	Common Municipal Solid Waste Management Facility (CMSWMF) at Sector 7 reservation No 1 Manda Titwala Kalyan west
2.Type of institution	Government
3.Name of Project Proponent	Kalyan Dombivli Municipal Corporation-
4.Name of Consultant	IRG Systems South Asia Pvt. Ltd.
5.Type of project	Common Municipal Solid Waste Management Facility (CMSWMF) Waste Processing and Disposal facility at Village Manda, Titwala- West in KDMC
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	Survey No. 177/192/231
9.Taluka	Kalyan
10.Village	Manda
Correspondence Name:	Deputy Municipal Commissioner
Room Number:	Kalyan Dombivil Municipal Corporation
Floor:	Shankarrao Chowk
Building Name:	NA
Road/Street Name:	NA
Locality:	NA
City:	Kalyan
11.Whether in Corporation / Municipal / other area	Kalyan Dombivali Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	IOD/IOA/Concession/Plan Approval Number: Plan will be send to Planning authority KDMC as per MRTP act 1966 Clause 58
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	1,00,700.0 m2
16.Deductions	NA
17.Net Plot area	32,000.0 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** NA
	b) Non FSI area (sq. m.): NA
	c) Total BUA area (sq. m.):
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** NA
	Approved Non FSI area (sq. m.): NA
	Date of Approval: 01-01-1900
19.Total ground coverage (m2)	32000 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	31.77%
21.Estimated cost of the project	216300000

22.Number of buildings & its configuration

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

23.Number of tenants and shops	NA
24.Number of expected residents / users	NA
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)	NA
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	NA
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	Compost	NA	18 % of total waste quantity	18 % of total waste quantity
2	RDF	NA	20 % of total waste quantity	20 % of total waste quantity

32.Total Water Requirement

Dry season:	**Source of water**	KDMC/ Tanker
	Fresh water (CMD):	6.0 m3/day
	Recycled water - Flushing (CMD):	NA
	Recycled water - Gardening (CMD):	10.0 m3/day
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	73.9 m3/day
	Fire fighting - Underground water tank(CMD):	NA
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	NA
Wet season:	**Source of water**	KDMC/ Tanker
	Fresh water (CMD):	6.0 m3/day
	Recycled water - Flushing (CMD):	NA
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	63.9 m3/day
	Fire fighting - Underground water tank(CMD):	NA
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	10.0 m3/day
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Industrial Process	NA	NA	NA	NA	NA	NA	NA	NA	NA

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	7.5 m
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	NA
	Budgetary allocation (O & M cost) :	NA
	Details of UGT tanks if any :	2 tanks of 50000 liters
35.Storm water drainage	**Natural water drainage pattern:**	As per gravity
	Quantity of storm water:	0.930 Cum/Sec
	Size of SWD:	NA
Sewage and Waste water	**Sewage generation in KLD:**	4.0 m3/day
	STP technology:	NA
	Capacity of STP (CMD):	NA
	Location & area of the STP:	NA
	Budgetary allocation (Capital cost):	NA
	Budgetary allocation (O & M cost):	NA
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	10 Kg/day from labour activity.
	Disposal of the construction waste debris:	Will be Utilized in low-land leveling & base preparation of internal roads. Some quantity of Excavation soil will be use for backfilling and remaining will be hand over to authorize vendor.
Waste generation in the operation Phase:	**Dry waste:**	10 Kg/day
	Wet waste:	5 Kg/day
	Hazardous waste:	Spent oil or oil grease for DG sets, paints etc.
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Dry waste will be disposed off at site itself.
	Wet waste:	Wet waste will be disposed off at site itself.
	Hazardous waste:	Handed over to authorized Vendor/Recycler
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Area requirement:	**Location(s):**	On site disposal Facility
	Area for the storage of waste & other material:	NA
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	NA
	O & M cost:	NA

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	-	5.8	7.2	5.5 - 9.0
2	Dissolved solids	mg/l	3500	2000	2100
3	COD	mg/l	1700	-	-

Amount of effluent generation (CMD):	15 m3/Day
Capacity of the ETP:	20 m3/Day
Amount of treated effluent recycled :	100 % recycled
Amount of water send to the CETP:	NA
Membership of CETP (if require):	NA
Note on ETP technology to be used	It is physio-chemical treatment with extended aeration and biological treatment with pressure sand filter and activated carbon filter as tertiary treatment .
Disposal of the ETP sludge	Captive landfill

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used/spent oil	5.1	Liters	NA	15 liters	15 liters	Will be handed over to Authorized Recycler

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 Stack	High speed diesel	1	10 m	0.3	125°C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	High speed diesel	Not applicable	NA	Will be required only in case of power failure

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

43.Green Belt Development	**Total RG area :**	9033 m2
	No of trees to be cut :	Phoenix sp. (Palm), Ziziphus sp. (shrub), grasses are sparsely present which will be cleared for proposed development of CMSWMF.
	Number of trees to be planted :	9000
	List of proposed native trees :	Selection of locally adopted non-edible perennial plants
	Timeline for completion of plantation :	before the commencement of the operation phase

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Actinodaphne angustifolia	Pisa	90	Locally adopted non-edible perennial plants that are resistant to drought and extreme temperatures
2	Adina cordifolia	Haldu	90	Locally adopted non-edible perennial plants that are resistant to drought and extreme temperatures
3	Adina cordifolia	Haldu	90	Locally adopted non-edible perennial plants that are resistant to drought and extreme temperatures
4	Albizia lebbeck	Siris Tree	90	Locally adopted non-edible perennial plants that are resistant to drought and extreme temperatures
5	Bauhinia semla	Semla	90	Locally adopted non-edible perennial plants that are resistant to drought and extreme temperatures
6	Bauhinia varcgata	Kanchan	90	Locally adopted non-edible perennial plants that are resistant to drought and extreme temperatures
7	Butea monosperma	Flame of the forest	90	Locally adopted non-edible perennial plants that are resistant to drought and extreme temperatures
8	Dalbergia sisoo	Sissoo	90	Locally adopted non-edible perennial plants that are resistant to drought and extreme temperatures
9	Dryptes roxburghii	Putranjiva	90	Locally adopted non-edible perennial plants that are resistant to drought and extreme temperatures

10	Garcinia indica Chois	Kokam	90	Locally adopted non-edible perennial plants that are resistant to drought and extreme temperatures
45.Total quantity of plants on ground				

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

Serial Number	Name	C/C Distance	Area m2
1	Ziziphus sp.	1	3011

47.Energy

Power requirement:	**Source of power supply :**	M.S.E.D.C.L.
	During Construction Phase: (Demand Load)	15 KVA
	DG set as Power back-up during construction phase	125 KVA
	During Operation phase (Connected load):	NA
	During Operation phase (Demand load):	250 KVA
	Transformer:	NA
	DG set as Power back-up during operation phase:	125 KVA
	Fuel used:	High Speed Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

NA

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	NA	NA

50.Details of pollution control Systems

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

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

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	Dust control	1.0
2	Site Sanitation, Safety & Disinfection	Workers Health	2.0
3	Environmental Monitoring	Air, Water, Soil, Noise sampling & testing	4.0
4	Occupational Health	Health Check up	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	Lechate Treatment Plant	Waste water treatment	15.0	4.0
2	Odour Control	Odour supression	5.0	-
3	Landscape	Tree plantation & gardening	15.0	2.0

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Not Applicable

Parking details:	**Number and area of basement:**	Not Applicable
	Number and area of podia:	Not Applicable
	Total Parking area:	Not Applicable
	Area per car:	Not Applicable
	Area per car:	Not Applicable
	Number of 2-Wheelers as approved by competent authority:	Not Applicable
	Number of 4-Wheelers as approved by competent authority:	Not Applicable
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	Not Applicable
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Nil in 10 Km Area
	Category as per schedule of EIA Notification sheet	7 (i) Common Municipal Solid Waste Management Facility (CMSWMF)
	Court cases pending if any	Not Applicable
	Other Relevant Informations	Not Applicable
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for Municipal Solid Waste Processing and Disposal facility at Survey No. 177/192/231 Village Manda, Titwala West , Taluka Kalyan , Dist. Thane by KDMC.

Committee observed that this is the proposal of processing of Municipal Solid Waste .The proposal is related to SEAC-1 & wrongly placed on SEAC-2 dashboard. Therefore, committee decided to refer the proposal to SEIAA for further necessary action.

DECISION OF SEAC

Committee observed that this is the proposal of processing of Municipal Solid Waste .The proposal is related to SEAC-1 & wrongly placed on SEAC-2 dashboard. Therefore, committee decided to refer the proposal to SEIAA for further necessary action.

Specific Conditions by SEAC:

SEIAA DECISION

Proposal is for processing of Municipal Solid Waste which is related to SEAC-1 & wrongly placed on SEAC-2 dashboard. Therefore, SEAC decided to refer the proposal to SEIAA for further necessary action.

SEIAA Decision-

SEIAA after deliberation decided to reject the proposal.

Specific Conditions by SEIAA:

FINAL RECOMMENDATION

SEIAA have decided to reject the proposal due to above reasons.

208th Meeting of SEIAA

SEIAA Meeting number: 208 **Meeting Date** September 14, 2020

Subject: Environment Clearance for Environmental Clearance for Redevelopment Project on plot bearing F.P.No.1210,TPS – IV of Mahim Division known as "Yadav Patil Wadi" situated at, Veer Savarkar Marg, Prabhadevi, Mumbai by Lodha Developers Limited

Is a Violation Case: No

1.Name of Project	Redevelopment Project
2.Type of institution	Private
3.Name of Project Proponent	Lodha Developers Limited
4.Name of Consultant	Mahabal Enviro Engg. Pvt. Ltd.; Dr. D. A. Patil
5.Type of project	Redevelopment of Project
6.New project/expansion in existing project/modernization/diversification in existing project	Not applicable
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Plot bearing F.P.No.1210,TPS – IV of Mahim Division known as "Yadav Patil Wadi" situated at, Veer Savarkar Marg, Prabhadevi, Mumbai.
9.Taluka	Mumbai
10.Village	Prabhadevi
Correspondence Name:	Atul Jangam; Lodha Developers Limited
Room Number:	-
Floor:	-
Building Name:	Lodha Excelus
Road/Street Name:	N. M. Joshi Marg
Locality:	Mahalaxmi
City:	Mumbai
11.Whether in Corporation / Municipal / other area	Municipal Corporation of Greater Mumbai
12.IOD/IOA/Concession/Plan Approval Number	Applied for IOD
	IOD/IOA/Concession/Plan Approval Number: Applied
	Approved Built-up Area: 41500
13.Note on the initiated work (If applicable)	No work started
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	-
15.Total Plot Area (sq. m.)	6556.08 m2
16.Deductions	127.70 m2
17.Net Plot area	6428.38 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 21779.25 m2
	b) Non FSI area (sq. m.): 19720.75 m2
	c) Total BUA area (sq. m.): 41500
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 21779.25
	Approved Non FSI area (sq. m.): 19720.75
	Date of Approval: 01-01-1900
19.Total ground coverage (m2)	2550 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	40%
21.Estimated cost of the project	600000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Commercial Tower	G + 16 Floors	69.80
2	Rehab (Residential)	G + 2 level commercial / industrial galas + 20 level residential floors	69.90
3	Podium Part 1	G + 8 levels parking floors	32
4	Podium Part 2	G + 4 Commercial / Industrial galas + 3 Parking levels	-

23.Number of tenants and shops	Rehab Residential: 95 Nos.; Rehab Shops: 11 Nos.; Rehab Industrial: 14 Nos.; Sale Commercial: 30 Offices
24.Number of expected residents / users	2004 Nos.
25.Tenant density per hectare	-
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	18 m wide Yadav Patel Road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	6 m - 9 m
29.Existing structure (s) if any	Yes. Existing structures are present on site.
30.Details of the demolition with disposal (If applicable)	Demolition waste will be disposed as per MCGM Approvals.

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**	MCGM
	Fresh water (CMD):	81
	Recycled water - Flushing (CMD):	52
	Recycled water - Gardening (CMD):	3
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	133
	Fire fighting - Underground water tank(CMD):	As per NBC
	Fire fighting - Overhead water tank(CMD):	As per NBC
	Excess treated water	For HVAC Make up
Wet season:	**Source of water**	MCGM
	Fresh water (CMD):	81
	Recycled water - Flushing (CMD):	52
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	133
	Fire fighting - Underground water tank(CMD):	As per NBC
	Fire fighting - Overhead water tank(CMD):	As per NBC
	Excess treated water	For HVAC Make up
Details of Swimming pool (If any)	Swimming Pool not provided	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	~10 m
	Size and no of RWH tank(s) and Quantity:	-
	Location of the RWH tank(s):	-
	Quantity of recharge pits:	4 Nos.
	Size of recharge pits :	3m x 3m x 4m
	Budgetary allocation (Capital cost) :	Rs. 14 Lakh
	Budgetary allocation (O & M cost) :	Rs. 0.32 Lakh / yr
	Details of UGT tanks if any :	Yes. UG Tanks are provided
35.Storm water drainage	**Natural water drainage pattern:**	Towards south side
	Quantity of storm water:	748.16 m3/hr
	Size of SWD:	350 x 400 mm
Sewage and Waste water	**Sewage generation in KLD:**	125 KLD
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	150 KLD
	Location & area of the STP:	On Ground
	Budgetary allocation (Capital cost):	Rs. 38 Lakhs
	Budgetary allocation (O & M cost):	Rs. 9 Lakhs / yr
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction debris: 1205 m3
	Disposal of the construction waste debris:	The construction debris waste will be disposed as per construction debris and demolition waste management Rules 2016
Waste generation in the operation Phase:	**Dry waste:**	217kg/d
	Wet waste:	326 kg/d
	Hazardous waste:	-
	Biomedical waste (If applicable):	-
	STP Sludge (Dry sludge):	1 KLD
	Others if any:	E-Waste Generation: 1 Ton Per year

Mode of Disposal of waste:	**Dry waste:**	Dry garbage will be handed over to authorized recyclers.
	Wet waste:	Wet garbage will be composted using mechanical composting technology and used as organic manure for landscaping.
	Hazardous waste:	-
	Biomedical waste (If applicable):	-
	STP Sludge (Dry sludge):	Sludge use as manure for gardening
	Others if any:	The E-Waste shall be handed over to E-Waste Management vendor authorized by MPCB.
Area requirement:	**Location(s):**	On Ground
	Area for the storage of waste & other material:	35 m2
	Area for machinery:	20 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 16 Lakh
	O & M cost:	Rs. 6 Lakh/yr

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	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 :**	642.84 m2
	No of trees to be cut :	Existing trees on site: 25 Nos.; Trees to be cut: 17 Nos.; Trees to be transplant: 8 Nos.
	Number of trees to be planted :	124 Nos.
	List of proposed native trees :	Given Below.
	Timeline for completion of plantation :	2-3 years.

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Delonix Regia	Gulmohar	13	Red flowering medium sized tree
2	Albizia lebbeck	Shirish	11	Shady tree, yellowish green fragrant flowers
3	Azadiracta indica	Neem	10	Large tree, good for roadside plantation
4	Alstonia scholaris	Satwin	18	Shady Tree, white fragrant flowers
5	Saraca asoka	Sita Ashok	20	Shady tree with red-yellow flowers
6	Cassia fistula	Bahava	15	Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plant
7	Mimusops elengi	Bakul	12	Shady tree, small white fragrant flowers
8	Michelia champaca	Son Chafa	15	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
9	Anthocephallus cadamba	Kadamb	10	Shady, large deciduous tree, fast-growing graceful tree, ball shaped flowers
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	BEST
	During Construction Phase: (Demand Load)	200 kVA
	DG set as Power back-up during construction phase	200 kVA
	During Operation phase (Connected load):	3.9 MW
	During Operation phase (Demand load):	2.7 MW
	Transformer:	3 x 1500 kVA
	DG set as Power back-up during operation phase:	2 x 1000, 1 x 500, 1 x 400 kVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	-

48.Energy saving by non-conventional method:

- Solar Lighting in common area, garden and road
- Solar hot water for residential building
- Energy efficient lighting fixtures (LED lights) to buildings
- Use of low E Glass to reduce power requirement.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total energy Saving	>20%

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. 20 Lakh
	O & M cost:	Rs. 1 Lakh

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water spray for dust suppression	-	4
2	Site sanitation and Facility and its maintenance	-	5
3	Potable Water Supply to Labor	-	5

4	Solid Waste Management	-	3
5	Disinfection	-	4
6	Safety Personal Protective Equipment	-	20
7	Traffic Management	-	8
8	Safety nets	-	20
9	Safety Training to Workers	-	8
10	Environmental Monitoring	-	4
11	Health check up and first aid	-	10

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP (Tertiary)	Continuos O & M	38	9
2	Solar System	Weekly	20	1
3	Rain Water Harvesting	During Rainy Season	14	0.32
4	Solid waste composting	Continuos O & M	16	6
5	Landscape	Daily	6	1
6	Environmental Monitoring	As per CPCB Norms	-	4

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:**	Basement is provided for services (1450 m2)
	Number and area of podia:	8 Podiums are proposed with 14250 m2 area
	Total Parking area:	11000 m2
	Area per car:	30 m2
	Area per car:	30 m2
	Number of 2-Wheelers as approved by competent authority:	-
	Number of 4-Wheelers as approved by competent authority:	350 Nos.
	Public Transport:	-
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	The site U/R is outof CRZ area
	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	No
	Other Relevant Informations	No
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for Environmental Clearance for Redevelopment Project on plot bearing F.P.No.1210,TPS – IV of Mahim Division known as "Yadav Patil Wadi" situated at, Veer Savarkar Marg, Prabhadevi, Mumbai by Lodha Developers Limited

Introduction :-

Representative of PP was present during the meeting along with Environmental consultant M/s Mahabal Enviro Engineers . PP informed that, the details ofProject are -

1. Plot area : 6,556.08 m2
2. FSI : 21,779.25 m2
3. Non-FSI : 19,720.75 m2
4. Total BUA : 41,500 m2
5. Building Configuration:
6. Commercial Tower: G + 16 Floors, Rehab Residential: G + 2 level commercial / industrial galas + 20 level residential floors, Podium Part I: G + 8 level parking floors, Podium Part II: G + 4 commercial / industrial galas + 3 parking levels
7. Total Population: 2,004 Nos. Flats: 95; Shops: 11, Rehab Industrial: 14, Offices: 30
8. Water Requirement: 133 KLD
9. Sewage Generation: 125 KLD
10. STP capacity & Technology: 2 STP's of total 150 KLD capacity with MBBR technology (75+75)
11. STP Location : Basement
12. RG Required & Provided: RG Required: 642.83 m2 and RG provided: 642.84 m2
13. Energy Requirement: Demand Load- 2.5 MW (Best)
14. Energy Saving (total): Total Savings- 22 % (By Solar- 1.3%)
15. No. of DG Set and Capacity: 2 x 1000, 1 x 300, 1 x 350 kVA
16. Biodegradable waste Generation: 326 kg/day
17. OWC Capacity: Total 400 kg/day
18. Parking: 4W provided: 335 Nos.
19. EMP Cost: Capital Cost: 150 Lakh, O&M: 25 Lakh/yr.
20. Rainwater Harvesting: 2 RWH tank with 70 KL total capacity
21. Details of UG Tanks: UG Tanks are provided
22. CER: Project Cost: Rs. 60 Cr, CER to spend: Rs. 60 Lakh (1% Brownfield)

Deliberation:-

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 (B2) category of EIA Notification, 2006. Consolidated statements, synopsis of compliances, form 1, 1A, presentation & plans submitted are taken on the record.

DECISION OF SEAC

After deliberation Committee decided to recommend the proposal to SEIAA for grant of EC subject to compliance of above conditions.

Specific Conditions by SEAC:

SEIAA DECISION

PP has not obtained plan approval. SEIAA after deliberation decided to defer the proposal.

SEIAA Decision-

SEIAA after deliberation decided to defer the proposal.

Specific Conditions by SEIAA:

FINAL RECOMMENDATION

SEIAA have decided to defer the proposal.Kindly find SEIAA decision above.