Agenda of 99th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 99th **Meeting Date** May 15, 2019

Subject: Environment Clearance for Proposed Integrated Township at Village Dhokawade, Maharashtra.

Is a Violation Case: No

1.Name of Project	Proposed Integrated Township at Village Dhokawade, Maharashtra.
2.Type of institution	TOR
3.Name of Project Proponent	SOBO Estate Development Pvt. Ltd.
4.Name of Consultant	Fine Envirotech Engineers
5.Type of project	Proposed Integrated Township
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 nos. 115, 126, 128, 133, 146, 147, 149, 150, 151, 153, 154, 155, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 174, 175, 176, 177, 178, 179, 180, 182, 183, 183, 184, 190, 191, 192, 193, 194, 199, 200, 203, 204, 205, 206, 207, 209, 210, 220, 222, 226, 227, 228, 229, 230, 231, 232, 233, 237, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343,344, 347, 359, 361,362, 363, 364, 366, 156/1, 156/2, 156/3, 181/1, 181/2, 181/3, 181/4, 198/1, 198/2/A/1, 201/1, 202/2, 376/1, 421/1.
9.Taluka	Alibaug
10.Village	Dhokawade
Correspondence Name:	SOBO Estate Development Pvt. Ltd.
Room Number:	NA
Floor:	2nd Floor
Building Name:	Jindal Mansion
Road/Street Name:	Deshmukh Marg, Pedder Road
Locality:	Mumbai
City:	Mumbai-400026
11.Area of the project	MMRDA
12.IOD/IOA/Concession/Plan Approval Number	Not applicable at this stage
	IOD/IOA/Concession/Plan Approval Number: Not applicable at this stage
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	Not started yet
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	4,53,400.00 sq.mt. (113.35 acres)
16.Deductions	45,986.67 sq.mt.
17.Net Plot area	4,07,413.33 sq.mt.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 5,71,027.22 sq.mt.
	b) Non FSI area (sq. m.): 3,47,762 sq.mt.
	c) Total BUA area (sq. m.): 918789.22
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** Not applicable at this stage
	Approved Non FSI area (sq. m.): Not applicable at this stage
	Date of Approval: 01-01-1900
19.Total ground coverage (m2)	2,10,082 sq.mt. (including Podium cover)
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	46 %
21.Estimated cost of the project	11450000000

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22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Villas (76 nos.)	G + 2	12
2	Low Rise Apartments (Type A) - 96 nos	G + 4	18
3	Mid Rise Apartments (Type B) -12 nos	G + 10	39
4	High Rise Apartments - 12 nos.	G + 26	94.5
5	EWS - 5 nos.	G + 15	48
6	School - 1 no.	G + 5	18
7	Town Hall	G + 3	15
8	Market	G + 3	15
9	Health Care	G + 4	18
10	Commercial	Podium 2 Levels +12 Floors	48
11	Utilities (Total 13 Buildings)	G + 2 (Average)	10

23.Number of tenants and shops	• Total residential tenements (Villas, Low rise apartments, Mid rise apartments and high rise apartments) -4060 nos. • Total residential tenements (EWS)- 2424 nos. Commercial Includes: • 200 Shops (20 sq.mt each) • Multiplex – 4 screens • 2 Food courts • Resort with 200 rooms • 150 Service Apartments • 100 Offices with 150 sq.mt each • Health Resort with mini Golf Course • 100 Bedded Hospital • Helipad • Bridges
24.Number of expected residents / users	Approx. 43,591 nos.
25.Tenant density per hectare	143 tenements per Ha
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	18 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	NA
30.Details of the demolition with disposal (If applicable)	NA

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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**	MIDC /MJP
	Fresh water (CMD):	3,176
	Recycled water - Flushing (CMD):	1,708
	Recycled water - Gardening (CMD):	104
	Swimming pool make up (Cum):	30 Cum
	Total Water Requirement (CMD) :	4,988
	Fire fighting - Underground water tank(CMD):	As per NBC norm
	Fire fighting - Overhead water tank(CMD):	As per NBC norm
	Excess treated water	2144
Wet season:	**Source of water**	MIDC/ MJP
	Fresh water (CMD):	3,176
	Recycled water - Flushing (CMD):	1,708
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	30 Cum
	Total Water Requirement (CMD) :	4884
	Fire fighting - Underground water tank(CMD):	As per NBC norm
	Fire fighting - Overhead water tank(CMD):	As per NBC norm
	Excess treated water	2248
Details of Swimming pool (If any)	5 nos. of 11 m x 25 m Swimming pools	

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

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Approx. 3.0 m
	Size and no of RWH tank(s) and Quantity:	We will be submitted during EIA presentation
	Location of the RWH tank(s):	We will be submitted during EIA presentation
	Quantity of recharge pits:	We will be submitted during EIA presentation
	Size of recharge pits :	We will be submitted during EIA presentation
	Budgetary allocation (Capital cost) :	We will be submitted during EIA presentation
	Budgetary allocation (O & M cost) :	We will be submitted during EIA presentation
	Details of UGT tanks if any :	UG tanks will be provided as per NBC norms
35.Storm water drainage	**Natural water drainage pattern:**	Natural drainage pattern will be maintained as far as possible
	Quantity of storm water:	We will be submitted during EIA presentation
	Size of SWD:	We will be submitted during EIA presentation
Sewage and Waste water	**Sewage generation in KLD:**	4396 kld
	STP technology:	Moving Bed Bio Reactor (MBBR) Technology
	Capacity of STP (CMD):	Total 4500 kld capacity of STP will be provided.
	Location & area of the STP:	We will be submitted during EIA presentation
	Budgetary allocation (Capital cost):	We will be submitted during EIA presentation
	Budgetary allocation (O & M cost):	We will be submitted during EIA presentation
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Excavated earth materials and construction waste will be generated.
	Disposal of the construction waste debris:	Excavation earth materials and construction waste shall be partly reused on site and partly shall be shall be disposed by authorized contractor.
Waste generation in the operation Phase:	**Dry waste:**	8,419 kg/day
	Wet waste:	10630 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	20 kg/day
	STP Sludge (Dry sludge):	440 kg.
	Others if any:	NA

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Mode of Disposal of waste:	**Dry waste:**	Dry waste will be handed over to authorized agency / recycler.
	Wet waste:	Wet waste will be process in Organic Waste Converter and compost will be used as manure for gardening.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	Will be handed over to authorized agency/recycler
	STP Sludge (Dry sludge):	Used as manure for gardening
	Others if any:	NA
Area requirement:	**Location(s):**	We will be submitted during EIA presentation
	Area for the storage of waste & other material:	We will be submitted during EIA presentation
	Area for machinery:	We will be submitted during EIA presentation
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	We will be submitted during EIA presentation
	O & M cost:	We will be submitted during EIA presentation

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

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43.Green Belt Development	**Total RG area :**	57,639.00 sq.mt.
	No of trees to be cut :	NA
	Number of trees to be planted :	Details will be submitted during EIA presentation
	List of proposed native trees :	Native tree species with large canopy size and flower and fruit bearing variety will be selected.
	Timeline for completion of plantation :	Till the operation phase of the project

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	We will be submitted during EIA presentation	We will be submitted during EIA presentation	We will be submitted during EIA presentation	We will be submitted during EIA presentation
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)	We will be submitted during EIA presentation
	DG set as Power back-up during construction phase	We will be submitted during EIA presentation
	During Operation phase (Connected load):	We will be submitted during EIA presentation
	During Operation phase (Demand load):	We will be submitted during EIA presentation
	Transformer:	We will be submitted during EIA presentation
	DG set as Power back-up during operation phase:	We will be submitted during EIA presentation
	Fuel used:	We will be submitted during EIA presentation
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

We will be submitted during EIA presentation.

49.Detail calculations & % of saving:

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Serial Number	Energy Conservation Measures	Saving %
1	We will be submitted during EIA presentation	We will be submitted during EIA presentation

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:**	We will be submitted during EIA presentation
	O & M cost:	We will be submitted during EIA presentation

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	We will be submitted during EIA presentation	We will be submitted during EIA presentation	We will be submitted during EIA presentation

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	We will be submitted during EIA presentation	We will be submitted during EIA presentation	We will be submitted during EIA presentation	We will be submitted during EIA presentation

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:	Separate entry and exit

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Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	Total no of podiums: 14 for Residential + 2 Level Podium For Commercial Area under podiums – 1,30,000 sq.mt.
	Total Parking area:	1,30,158 sq.mt.
	Area per car:	30 sq.mt (including driveway area)
	Area per car:	30 sq.mt (including driveway area)
	Number of 2-Wheelers as approved by competent authority:	12,508 nos.
	Number of 4-Wheelers as approved by competent authority:	2,472 nos.
	Public Transport:	23 nos. Buses
	Width of all Internal roads (m):	9.0 m to 18 m
	CRZ/ RRZ clearance obtain, if any:	To be obtained
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	.....
	Category as per schedule of EIA Notification sheet	8 (b)
	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

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PP was present during the meeting along with environmental consultant M/s. Fine Envirotech Engineers.

PP informed that, the project under consideration is Proposed Integrated Township at Village Dhokawade, Maharashtra. PP fu*rther stated that, t*he total plot area of the project is 4,53,400.00 Sq.mt. having total construction area 918789.22 Sq.mt.(FSI - 5,71,027.22 sq.mt +NON FSI- Total – 3,47,762 sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Building A1	P + 22 floors	66.70
Building B1	P + 17 floors	52.45
Building B2	P + 17 floors	52.45
Building B3	P + 17 floors	52.45
Building C1	P + 21 floors	63.85
Building D1	G + 1 floor + 20 parking floors	66.30

It is noted that, the project was earlier considered in 84th SEAC-II meeting held on 7th January, 2019.

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

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DECISION OF SEAC

After discussion, Committee approved the ToR with following observations & additions, which is valid upto 15/5/2022. EIA will be apprised as & when submitted. Meanwhile PP should comply following points.

Specific Conditions by SEAC:

1) PP to submit the copy of Location Clearance.
2) PP to submit the all NoCs mentioned in the Location Clarence letter.
3) PP to submit the CRZ NoC.
4) PP to submit the contour for site before & after leveling.
5) PP to upload acknowledgement regarding plan submitted to local planning authority.
6) Committee noted that, PP have circulated the revised CS,PP to revise the same online also.
7) PP to submit the plan to reduce Noise pollution.
8) PP to submit the CFO NoC.
9) PP to ensure ECBC norms are complied.
10) PP to ensure that, no nalla should be diverted. PP to submit the nalla remarks.
11) PP to submit the DP remarks.
12) PP to submit the sewerage network, water supply, storm water drain NOC from local planning authority.
13) PP to submit Contour and slope analysis superimposed with storm water drain, sewer line map in the project and 500 mtr around the project.
14) PP to submit & upload wind analysis, shadow analysis, traffic analysis, light and ventilation analysis and measures to reduce heat island effect.
15) PP to submit the compensatory plantation plan.
16) PP to ensure that maximum treated water should be recycled.
17) PP to submit project specific DMP.
18) PP to submit the detail biodiversity chapter in EIA considering the eco-sensitivity of the site.
19) PP to verify the distance of project site from Flamingo Sanctuary. PP to submit & upload the same.
20) PP to ensure that RG required is as per the norms and should be on Mother Earth.
21) PP to ensure that activities proposed in the CER should be as per findings of socio-economic report. As agreed by PP, PP will be developing Mangrove Park/ nursery, will be providing bio-fencing for the Mangrove area, Ecotourism plan for the locals, Awareness camp in schools for mangrove & ecosystem conservation, establishing Marine tourism entrepreneurship training projects for communities and Development of Environmental & Ecological Information Centre as part of CER activities and as additional initiatives.
22) PP to submit CER as per MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project or Environment Department may direct PP to undertake CER work in identified area.
23) PP to also refer standard ToR published by MoEF vide order dated 10/04/15 in addition to above

FINAL RECOMMENDATION

The Committee decided to Grant ToR subject to the above observations,PP requested to prepare and submit EIA report as per EIA Notification, 2006 and amendments thereof.

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Agenda of 99th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 99th **Meeting Date** May 15, 2019

Subject: Environment Clearance for Expansion of residential cum commercial project - K Residence Plot Bearing New S. No. 37/1, 37/2, 37/3, 37/4, 37/5, 37/6, 37/7, 37/8, 37/9, 37/10, 37/11, 37/12, 37/13 - 283-A(old), New S.No. 38/1, 38/2 - 283-B(old), New S.No. 36/1, 36/2A, 36/2B - 146/1, 146/2 (Pt), 146/2(Pt) (old), New S.No. 10/2 - 147/2 (old), New S.No. 27/2A, 27/2B - 163/2, Dhokali, Thane by M/s. Money Magnum Construction& M/s. Vijay Associates Wadhwa

Is a Violation Case: No

1.Name of Project	Expansion of proposed Residential cum commercial Project – K Residence
2.Type of institution	TOR
3.Name of Project Proponent	M/s. Money Magnum Construction& M/s. Vijay Associates Wadhwa
4.Name of Consultant	Enviro Analysts and Engineers Private Limited.
5.Type of project	Residential
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	EC received dated vide letter no. SEAC-2010/CR.584/TC.2 dtd 15.10.2011 for total construction area 3,57,020.65 sq.m ; EC received dated May 14,2018 vide letter no. SEIAA-EC-0000000299 for total construction area of 1,60,849.46 Sq.m.
8.Location of the project	Plot Bearing New S. No.37/1, 37/2, 37/3, 37/4, 37/5, 37/6, 37/7, 37/8, 37/9, 37/10, 37/11, 37/12, 37/13 - 283-A(old), New S.No. 38/1, 38/2 - 283-B(old), New S.No. 36/1, 36/2A, 36/2B - 146/1, 146/2 (Pt), 146/2(Pt) (old), New S.No. 10/2 - 147/2 (old), New S.No. 27/2A, 27/2B - 163/2 Dhokali, Thane
9.Taluka	Thane
10.Village	Dhokli
Correspondence Name:	M/s. Money Magnum Constructions & M/s. Vijay Associates Wadhwa
Room Number:	1301
Floor:	13th floor
Building Name:	Godrej Colesium, A-wing
Road/Street Name:	Off Eastern Express Highway
Locality:	Behind Everard Nagar, Sion East
City:	Mumbai
11.Area of the project	Thane Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Approval from TMC
	IOD/IOA/Concession/Plan Approval Number: TMC/TDD/22174 dated 21.06.2017
	Approved Built-up Area: 150761.96
13.Note on the initiated work (If applicable)	Construction work started as per ECs received
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Applied for LOI from TMC
15.Total Plot Area (sq. m.)	90607.52 Sq.m
16.Deductions	37810.00sq.m.
17.Net Plot area	52797.52sq.m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 116762.46 (PLOT A, C :87871.21sq.m, Expansion in Plot A: 28891.25sq.m)
	b) Non FSI area (sq. m.): :97107.00 (Plot A, C:73053.09 Sq.m., Expansion in Plot A:24053.91sq.m)
	c) Total BUA area (sq. m.): 213869.46
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 92953.70
	Approved Non FSI area (sq. m.): 76377.30
	Date of Approval: 21-06-2017
19.Total ground coverage (m2)	20793.72

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20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	39.38 %
21.Estimated cost of the project	3940000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Sub plot A: Building type 1 , 4	Stilt + 12	39.25
2	Sub plot A: Building type 2, 6	Stilt + 18	56.59
3	Sub plot A: Building type 5 , 7 to 12	Stilt + 20	62.37
4	Subplot A: Building 14	St + 30 (pt)	91.35
5	Subplot A: Building 15	St + 23 (pt)	74.50
6	Subplot A: Building 16	St + 24	77.55
7	Subplot A: Building 21 (proposed expansion)	Ground Pt. Podium Pt. + Mezzanine Podium + 1st Pt. Podium Pt. + 2 to 22 floors	69.94
8	Shop block (proposed expansion)	Ground floor	4.80
9	Sub plot C: Building type 17	Stilt + 20	59.90
10	Sub plot C: Building type 18	Stilt + 28 (pt.)	81.90

23.Number of tenants and shops	Tenements: 2596 nos. Existing bldg1 to 12: 1301, Existing bldg. 14, 15, 16: 449 Proposed: 846 nos. Shops: 71 nos.
24.Number of expected residents / users	Existing: 8750 Proposed residential: 2559, Proposed shops: 462 nos.
25.Tenant density per hectare	499 tenants/ 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)	6.0 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Minimum 9 m
29.Existing structure (s) if any	Buildings constructed as per EC received in 2018
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)

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1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

Dry season:	**Source of water**	TMC / STP recycled water
	Fresh water (CMD):	1029 KLD (existing:787 KLD, proposed: 242 KLD)
	Recycled water - Flushing (CMD):	517 KLD (existing:393 KLD, proposed: 124 KLD)
	Recycled water - Gardening (CMD):	67 KLD
	Swimming pool make up (Cum):	3 KL
	Total Water Requirement (CMD) :	1616KLD
	Fire fighting - Underground water tank(CMD):	Proposed bldg.:300 cum Existing bldg.: 150 cum & 300 cum
	Fire fighting - Overhead water tank(CMD):	Proposed bldg : 60 cum each wing Existing bldg.: 25 cum each wing
	Excess treated water	582 KLD
Wet season:	**Source of water**	TMC supply/STP recycled water/RWH
	Fresh water (CMD):	1029 KLD (existing:787 KLD, proposed: 242 KLD)
	Recycled water - Flushing (CMD):	517 KLD (existing:393 KLD, proposed: 124 KLD)
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	3 KL
	Total Water Requirement (CMD) :	1549 KLD
	Fire fighting - Underground water tank(CMD):	Proposed bldg.:300 cum Existing bldg.: 150 cum
	Fire fighting - Overhead water tank(CMD):	Proposed bldg : 60 cum each wing Existing bldg.: 25 cum each wing
	Excess treated water	649 KLD
Details of Swimming pool (If any)	3 KL of make up water	

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

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	0.5 to 3.5 m below ground level
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	Proposed: 3 nos. of recharge pit; Existing: 4 nos. of recharge pit
	Size of recharge pits :	Proposed: 2m x 2m x 1.75m, Existing: 3.5 m x 3.5 m x 4 m
	Budgetary allocation (Capital cost) :	Rs.4.47Lakh
	Budgetary allocation (O & M cost) :	Rs.0.31Lakh/year
	Details of UGT tanks if any :	domestic tank: 1029 cum Flushing tank: 517 cum Fire tank: 750 cum
35.Storm water drainage	**Natural water drainage pattern:**	Towards North
	Quantity of storm water:	9.08 m3/ min
	Size of SWD:	1 no. 450 mm diameter pipe at 1:150 slope
Sewage and Waste water	**Sewage generation in KLD:**	Total sewage: 1413 KLD; Sewage for proposed expansion: 350 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	Total capacity:1420 KLD; STP for proposed expansion: 1 no. 350 KLD
	Location & area of the STP:	below Ground level
	Budgetary allocation (Capital cost):	Rs. 22.00 Lakh
	Budgetary allocation (O & M cost):	Rs. 2.5 Lakh/year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Excavated waste material generated will be reused for backfilling and rest shall be disposed by covered trucks to the authorized landfill sites with permission from Municipal authority
	Disposal of the construction waste debris:	Will be used for Landscaping
Waste generation in the operation Phase:	**Dry waste:**	1329 kg/day (Proposed: 880 Kg/Day , Existing: 449 kg/day)
	Wet waste:	1966 kg/day (Proposed:1293 Kg/Day, Existing: 673 kg/day)
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	17 kg/day
	Others if any:	NA

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Mode of Disposal of waste:	**Dry waste:**	Shall be handed over to authorized recyclers
	Wet waste:	Shall be processed in OWC and manure will be used for gardening
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Shall be processed in OWC and manure will be used for gardening
	Others if any:	NA
Area requirement:	**Location(s):**	Ground level
	Area for the storage of waste & other material:	76.5 sq.m
	Area for machinery:	8 sq.m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 18.75 lakhs
	O & M cost:	Rs.1.6 lakhs/yr

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

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

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43.Green Belt Development	**Total RG area :**	13324.36 sq.m
	No of trees to be cut :	-
	Number of trees to be planted :	888 nos.
	List of proposed native trees :	As listed 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	Azadiracta indica	Neem	122	Native tree, medicinal value
2	Anthocephalus cadamba	Kadamb	113	Evergreen Tropical tree
3	Bombax cieba	Semal	112	Deciduous Tall tree , flowering tree
4	Alzibia lebbeck	shirish	133	medicinal value
5	Mangifera indica	mango	157	shady, fruit bearing, prevents soil erosion
6	Delonix indica	Gulmohar	154	ornamental tree
7	Cassia fistula	Bahava	97	Evergreen tree, medicinal value
45.Total quantity of plants on ground				

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

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

47.Energy

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Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	97 kW
	DG set as Power back-up during construction phase	50 kVA
	During Operation phase (Connected load):	15100.88 kW (Proposed:2667.72 kW, Existing: 7233.16 kW)
	During Operation phase (Demand load):	8123.17 kW (Proposed:1775.15 kW, Existing: 3298.02 kW)
	Transformer:	Proposed: 4 X 630 KVA & Existing: 3 X 1000 kVA 7 1 X 5548 kVA
	DG set as Power back-up during operation phase:	Proposed: 2 nos. x 200 KVA , Existing: 3 X 625
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Use of solar water heaters, LED fixtures, low loss transformers etc.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Overall energy saving	16.6%

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. 71.5 lakh
	O & M cost:	Rs. 1.9 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	Water for Dust Suppression	2
2	EHS	Site Sanitation	2
3	Environmental Monitoring	Environmental Monitoring	6
4	EHS	Disinfection	1.5
5	EHS	Health Check Up	3.6

b) Operation Phase (with Break-up):

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Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Water conservation	Rain water harvesting	4.47	0.31
2	Wastewater management	Sewage treatment plant	22.00	2.5
3	Energy conservation	Energy saving parameters	71.5	1.9
4	Solid waste management	Organic waste converter	18.75	1.6
5	Land Environment	Landscape	20	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:	2 nos. of entry & exit
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	5166.33 sq.m
	Total Parking area:	43810sq. m.
	Area per car:	32.5 sq. m.
	Area per car:	32.5 sq. m.
	Number of 2-Wheelers as approved by competent authority:	1414
	Number of 4-Wheelers as approved by competent authority:	1348
	Public Transport:	-
	Width of all Internal roads (m):	6.0 m
	CRZ/ RRZ clearance obtain, if any:	NA

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	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park (3 km)
	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.	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

SEAC-AGENDA-0000000266

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 expansion of proposed Residential cum commercial Project – K Residence. PP further stated that, the total plot area of the project is 90607.52 Sq.mt having total construction area 213869.46Sq.mt. (FSI - 116762.46- PLOT A, C :87871.21sq.m, Expansion in Plot A: 28891.25sq.m) + NON FSI- :97107.00 (Plot A, C:73053.09 Sq.m., Expansion in Plot A:24053.91sq.m) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Sub plot A: Building type 1 , 4	Stilt + 12	39.25
Sub plot A: Building type 2, 6	Stilt + 18	56.59
Sub plot A: Building type 5 , 7 to 12	Stilt + 20	62.37
Subplot A: Building 14	St + 30 (pt)	91.35
Subplot A: Building 15	St + 23 (pt)	74.50
Subplot A: Building 16	St + 24	77.55
Subplot A: Building 21 (proposed expansion)	Ground Pt. Podium Pt. + Mezzanine Podium + 1st Pt. Podium Pt. + 2 to 22 floors	69.94
Shop block (proposed expansion)	Ground floor	4.80
Sub plot C: Building type 17	Stilt + 20	59.90
Sub plot C: Building type 18	Stilt + 28 (pt.)	81.90

It is noted that, Project has received Environmental clearance vide EC received dated vide letter dated 15.10.2011 for total construction area 3,57,020.65 sq.m to the “M/S Money Magnum Construction”. Committee further noted that, the said EC was amended for total construction area of 1,60,849.46 Sq.m. vide letter dated May 14,2018 in the different proponent name i.e. “M/S Vijay Associates Wadhwa” on the same plot with common survey numbers. Now the proposal under consideration for total construction area 213869.46Sq.mt by “M/S Money Magnum Construction” is again on the same survey numbers. PP could not explain the reasons for ECs in the name of two different project proponents.

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DECISION OF SEAC

In view of above, the proposal is deferred and shall be considered afresh only after the compliance of above observations.

Specific Conditions by SEAC:

1) PP to submit the chronology of the project along with all supporting documents like copy of earlier accorded ECs, copy of approved Plans, Copy of CCs, Ownership documents etc
2) PP to submit dated Architect certificate addressing to committee regarding building wise construction done on site as per EC accorded.

FINAL RECOMMENDATION

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

SEAC-AGENDA-0000000266

Agenda of 99th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 99th **Meeting Date** May 15, 2019

Subject: Environment Clearance for Proposed Layout with Residential & Partly Commercial Building permission at village Kopar, Kalher Tal Bhiwandi, Dist- Thane by M/s. Adrika Developers Pvt. Ltd.

Is a Violation Case: No

1.Name of Project	Proposed Layout with Residential & Partly Commercial Building permission at village Kopar, Kalher, Tal Bhiwandi, Dist- Thane by M/s. Adrika Developers Pvt. Ltd.
2.Type of institution	TOR
3.Name of Project Proponent	Mr Deepak Garodia by M/s. Adrika Developers Pvt Ltd
4.Name of Consultant	M/s. Enviro Analysts & Engineers Pvt. Ltd. B-1003,Enviro House, 10th floor, Western Edge -II Western Express Highway, Borivali (E), Mumbai- 400 066 hkdesai5@gmail.com,; info@eaepl.com
5.Type of project	Residential cum 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	Land bearing S. No. 5/4, 5/7, 5/8, 5/11, 5/12, 5/15, 7/1, 7/2, 7/3, 7/4, 7/5, 7/6, 7/8, 7/9, 7/10, 7/11, 7/12, 7/13, 7/14, 7/15, 7/16, 7/18, 7/19, 7/20, 7/20A, 7/20B, 7/22, 7/23A, 7/24, 7/25, 7/26, 7/27, 7/28, 7/29A, 7/29B, 8/1A, 8/2B, 9/1, 9/2, 9/3, 9/4, 9/5, 9/6, 9/7A, 9/7B, 9/8, 9/9, 9/10, 9/11, 10/1, 11/1, 11/2, 11/3, 11/4, 11/5, 11/6, 11/7, 11/8, 11/8A, 11/8B, 11/8C, 11/9, 11/10, 11/11, 11/12, 11/13, 11/14, 11/15, 11/16, 11/17, 11/18, 11/19A, 11/19B, 11/20, 11/21, 11/22, 11/23, 11/25, 12/1, 12/2, 12/3, 12/4, 12/5, 12/5A, 12/6, 12/8, 12/9, 12/10, 12/11, 12/13, 12/14, 12/15, 12/18, 12/19, 13/1, 13/2, 13/5, 13/6, 13/7, 13/8, 65/B at village Kopar and S.No. 245/9, 246/1C, 246/2B, 247/1, 247/2A, 247/2B, 247/2C, 247/4A, 247/4B, 247/5, 247/7/A/1, 247/7/B, 247/8, 247/9A, 247/10, 247/12, 247/13A, 247/13B/1, 247/14, 247/15, 247/17, 247/18, 247/19, 247/20 at village Kalher, Tal Bhiwandi, Dist- Thane in SPA area of Mumbai Metropolitan Region Development Authority.
9.Taluka	Bhiwandi
10.Village	Kopar and Kalher
Correspondence Name:	Mr Jay Vora
Room Number:	276
Floor:	First floor
Building Name:	Lawrence & Mayo House
Road/Street Name:	Dr D N Road
Locality:	Fort
City:	Mumbai 400001
11.Area of the project	Bhiwandi Surrounding Notified Area under MMRDA as the special planning authority
12.IOD/IOA/Concession/Plan Approval Number	Municipal proposal submitted in MMRDA dated 25/03/2019.
	IOD/IOA/Concession/Plan Approval Number: -
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Applied in MMRDA for Municipal Approval for proposed development
15.Total Plot Area (sq. m.)	81,254.00 sq m
16.Deductions	Deductions for a) Existing road area: 1820.00 sq m b) Proposed DP road: 10863.74 sq m c) Any reservation (garden): 3339.72 sq m d) Primary school: 2824.73 sq m Total Deduction: 18,848.19 sq m
17.Net Plot area	62,405.81sq m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 1,02,875.17 (sale plot)
	b) Non FSI area (sq. m.): 59,926.18
	c) Total BUA area (sq. m.): 162801

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18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** -
	Approved Non FSI area (sq. m.): -
	Date of Approval: 25-03-2019
19.Total ground coverage (m2)	19,814.93
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	24.3
21.Estimated cost of the project	3701421347

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Tower A (Building 1)	Gr + 15 floors	46.85
2	Tower B (Building 1, 2, 7, 8, 9, 10)	Gr + 23 floors	71.65
3	Tower B (Building 3, 4, 5, 6)	Gr + 23 floors	70.05
4	Tower C (Building 1)	Gr + 20 floors	62.95
5	Total buildings: 12 nos.	-	-

23.Number of tenants and shops	Residential: 3121nos. Shops: 48 nos.
24.Number of expected residents / users	Residential: 12,806 nos; Shops: 1117 nos
25.Tenant density per hectare	500
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	30 m wide Old Mumbai Agra 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	Existing structure single storey to be demolished
30.Details of the demolition with disposal (If applicable)	Demolition material will be used on site for site filling of low line area

31.Production Details

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

32.Total Water Requirement

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Dry season:	**Source of water**	BNMC + Recycled water
	Fresh water (CMD):	1144
	Recycled water - Flushing (CMD):	580
	Recycled water - Gardening (CMD):	78
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	1802
	Fire fighting - Underground water tank(CMD):	850
	Fire fighting - Overhead water tank(CMD):	120
	Excess treated water	779
Wet season:	**Source of water**	BNMC + Recycled water + RWH
	Fresh water (CMD):	1144
	Recycled water - Flushing (CMD):	580
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	1724
	Fire fighting - Underground water tank(CMD):	850
	Fire fighting - Overhead water tank(CMD):	120
	Excess treated water	857
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

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	0.4 m to 1.6 m
	Size and no of RWH tank(s) and Quantity:	180 KLD, 30 KLD, 120 KLD, 40 KLD AND 4 nos.
	Location of the RWH tank(s):	Underground
	Quantity of recharge pits:	-
	Size of recharge pits :	-
	Budgetary allocation (Capital cost) :	Will be studied during EIA
	Budgetary allocation (O & M cost) :	Will be studied during EIA
	Details of UGT tanks if any :	Domestic: 1114 KLD Flushing: 580 KLD Fire fighting: 850 KLD
35.Storm water drainage	**Natural water drainage pattern:**	South to North
	Quantity of storm water:	Will be studied during EIA
	Size of SWD:	Will be studied during EIA
Sewage and Waste water	**Sewage generation in KLD:**	1494
	STP technology:	MBBR
	Capacity of STP (CMD):	4 nos. and capacities: 810 KLD, 130 KLD, 540 KLD, 120 KLD - Total capacity: 1600 KLD
	Location & area of the STP:	Lower Ground
	Budgetary allocation (Capital cost):	Will be studied during EIA
	Budgetary allocation (O & M cost):	Will be studied during EIA
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Will be studied during EIA
	Disposal of the construction waste debris:	Will be studied during EIA
Waste generation in the operation Phase:	**Dry waste:**	1,948 kg/day
	Wet waste:	2,923 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	74 kg/day
	Others if any:	NA

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Mode of Disposal of waste:	**Dry waste:**	Will be handed over to recyclers.
	Wet waste:	Biodegradable waste will be processed in OWC and manure so obtained will be used for landscaping
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	WILL BE USED AS MANURE
	Others if any:	NA
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	252 sq m
	Area for machinery:	20 sq m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Will be studied during EIA
	O & M cost:	Will be studied during EIA

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		

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43.Green Belt Development	**Total RG area :**	13,442.34 sq m
	No of trees to be cut :	NA
	Number of trees to be planted :	780 nos.
	List of proposed native trees :	WILL BE STUDIED IN EIA
	Timeline for completion of plantation :	Before the completion of the project

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Will be studied during EIA	Will be studied during EIA	Will be studied during EIA	Will be studied during EIA
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)	80 kW
	DG set as Power back-up during construction phase	100 KVA
	During Operation phase (Connected load):	8,818 kW
	During Operation phase (Demand load):	5,879 kW
	Transformer:	4 X 1000 KVA + 1 X 315 KVA, 3 X 1000 KVA + 1 X 630 KVA, 1 X 630 KVA + 2X 315 KVA
	DG set as Power back-up during operation phase:	2 X 380 KVA, 2 X 400 KVA, 250 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Saving in Electrical Energy/Annum with use of CFL, T5 fittings, LED lights & 20% solar lamps, Timer for external lighting and common area, Solar hot water and part light/fan for each flat.

49.Detail calculations & % of saving:

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Serial Number	Energy Conservation Measures	Saving %
1	Total % Savings	22

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:**	Will be studied during EIA
	O & M cost:	Will be studied during EIA

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	0.5
2	Noise Environment	Noise Barricades and Green Belt Developments	1
3	Water Environment	Modular STP, Drainage with sedimentation tanks	0.5
4	Good Health Practices	Site Sanitation & Health Care	1
5	Environment Monitoring	Air, water, noise soil monitoring during construction phase	2

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Rain Water Harvesting	RWH tanks	Will be studied during EIA	Will be studied during EIA
2	Waste water management	STP	Will be studied during EIA	Will be studied during EIA
3	Solid waste management	OWC	Will be studied during EIA	Will be studied during EIA
4	Landscaping	Green Belt Development	Will be studied during EIA	Will be studied during EIA
5	Energy conservation	Solar saving	Will be studied during EIA	Will be studied during EIA

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	3 nos.
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	26,711.02 sq.m
	Area per car:	-
	Area per car:	-
	Number of 2-Wheelers as approved by competent authority:	3580 nos.
	Number of 4-Wheelers as approved by competent authority:	932 nos.
	Public Transport:	Old Mumbai Agra Road
	Width of all Internal roads (m):	12m & 6m wide drive way
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National park 8.5 km
	Category as per schedule of EIA Notification sheet	8(b)
	Court cases pending if any	NA
	Other Relevant Informations	NA

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	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

DECISION OF SEAC

PP was absent. Environment consultant submitted the absent letter dated 14/5/2019, which was taken on record, hence the proposal is deferred

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

SEAC-AGENDA-0000000206

Agenda of 99th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 99th **Meeting Date** May 15, 2019

Subject: Environment Clearance for Proposed Amendment /Expansion in EC for Residential cum Commercial project "Highland Park" at Village: Dhokali, Tal &Dist: Thane by Siddhi Gaurav Enterprises (M/s Siddhi Real Estate Developers)

Is a Violation Case: No

1.Name of Project	M/s Siddhi Gaurav Enterprises (M/s Siddhi Real Estate Developers)
2.Type of institution	Private
3.Name of Project Proponent	M/s Siddhi Gaurav Enterprises (M/s Siddhi Real Estate Developers)
4.Name of Consultant	Mahabal Enviro Engg. Pvt. Ltd.Dr., D. A. Patil
5.Type of project	Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	Amendment/Expansion in EC
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Obtained EC vide letter No. SEAC 2010/CR-442/TC-2 dated: 4th December 2010 for total construction area: 69,929.82 m2 having FSI area 38,708.53 m2 and Obtained amended EC vide letter No. SEAC 2212/CR-459/TC-11 dated: 13th March 2014 for total construction area: 92,476.20 m2 having FSI area 44,527.40 m2.
8.Location of the project	On plot bearing S.No. 79, H.No.1, 2A, 2B, 3, S.No. 80, 1(PT), H.No. 2A, 2B, 3, 4, 5,8 ,9, S. NO. 82, H. NO. 2, 3, 4, 5A, 5B, 5C, 5D, 6A, 6B, 6C, 6D, 6E, S. NO. 86, H. NO.1, 2, 3 , 4A+5/1, 5/2, 5/3, 5/4, 5/5, 5/6, 5/7, 5/8, 5/9, 5/10, 5/11, 5/12, 5/13, 5/14,5/15, S. NO. 81/1, S. No. 84, S. No.85, S. No.87/2, S. No.88/5/2, 5/3, S. No 66/5. Village: Dhokali, Thane (w) Tal. & Dist. - Thane
9.Taluka	Thane
10.Village	Dhokali
Correspondence Name:	M/s Siddhi Gaurav Enterprises (M/s Siddhi Real Estate Developers)
Room Number:	NA
Floor:	4th Floor
Building Name:	lake City Mall
Road/Street Name:	Kapurbawadi Junction,
Locality:	Majiwade
City:	Thane
11.Area of the project	Thane Municipal Corporation (TMC)
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: Approved plan : 1)TMC/TDD/2114/ Dated 29/03/2017 2) TMC/TD-DP/TPS/2542/18 Dated 19/04/2018 3) TMC/TDD/2773/18 Dated 27/08/2018 CFO NOC: 1) TMC/CFO/M/616 Dated 24/04/2017 2) TMC/CFO/M/HRC/34/34 Dated 07/12/2018
	Approved Built-up Area: 78721
13.Note on the initiated work (If applicable)	Construction work is initiated after receipt of Environmental Clearance As on today, total 66,544.60 m2 area is constructed as per approvals from TMC and as per EC.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	75,065.14 m2
16.Deductions	27,775.71 m2
17.Net Plot area	47,289.43 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 1,02,109.07 m2 (65,158.95 m2 + 36,950.12 m2)
	b) Non FSI area (sq. m.): 63,725.48 m2
	c) Total BUA area (sq. m.): 165835
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 78,720.76 m2 (41,770.64 m2 + 36,950.12 m2)
	Approved Non FSI area (sq. m.): 51,052.62 m2
	Date of Approval: 27-08-2018
19.Total ground coverage (m2)	8781.28 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	53.85 %

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21.Estimated cost of the project	3060000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	k-22	St +1st to 18th Floors	55.39
2	k- 23	St + P + 1st to 22nd Floors	73.10
3	k-24	St + P + 1st to 18th Floors	60.15
4	k-25 A	St + P + 1st to 32nd Floors	107.95
5	K-25 B	St + P + 1st to 32nd Floors	107.95
6	K-25 C	St + P + 1st to 32nd Floors	107.95
7	K-26	St + P + 1st to 15th Floors	49.69
8	K-27	Gr/St +1st to 18th Floors	57.32
9	Club House	G+1F	9.73

23.Number of tenants and shops	Existing Flats: 924 Nos (Prior to 2006) Proposed Flats: 1,122 Nos. Shops: 11 Nos.
24.Number of expected residents / users	5,610 Nos.
25.Tenant density per hectare	239/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 accessible by 16.35 m wide Kolshet road on west side and 22.11 m wide Dhokali- Balkum road on east side and 57.11 m wide Ghodbunder Road on west side from project site.
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	NA
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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

32.Total Water Requirement

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Dry season:	**Source of water**	TMC
	Fresh water (CMD):	508 KLD
	Recycled water - Flushing (CMD):	254 KLD
	Recycled water - Gardening (CMD):	64 KLD
	Swimming pool make up (Cum):	5 KLD
	Total Water Requirement (CMD) :	767 KLD
	Fire fighting - Underground water tank(CMD):	As per NBC
	Fire fighting - Overhead water tank(CMD):	As per NBC
	Excess treated water	386 KLD
Wet season:	**Source of water**	TMC+ RWH
	Fresh water (CMD):	424 KLD + 84 KLD
	Recycled water - Flushing (CMD):	254 KLD
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	767 KLD
	Fire fighting - Underground water tank(CMD):	As per NBC
	Fire fighting - Overhead water tank(CMD):	As per NBC
	Excess treated water	450 KLD
Details of Swimming pool (If any)	5KLD	

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

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	3 to 4 m
	Size and no of RWH tank(s) and Quantity:	6 nos. of RWH tanks having total capacity 350 m3
	Location of the RWH tank(s):	Underground
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	81 Lakh
	Budgetary allocation (O & M cost) :	2 Lakh/Year
	Details of UGT tanks if any :	UG Tanks will be provided as per NBC norms
35.Storm water drainage	**Natural water drainage pattern:**	The slope of the area is towards South to North and West to East side.
	Quantity of storm water:	The storm water generation 8,560.79 m3/ hr
	Size of SWD:	1000 x 1050 mm wide internal SWD drains
Sewage and Waste water	**Sewage generation in KLD:**	711 KLD
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	Total 3 Nos of STP with the total capacity of 725 KLD.
	Location & area of the STP:	Ground, Area of STP: 450 m2
	Budgetary allocation (Capital cost):	Rs. 145 Lakh
	Budgetary allocation (O & M cost):	Rs. 29 Lakh/year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction debris: 4815 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:**	1,130 kg/day
	Wet waste:	1,695 kg/day
	Hazardous waste:	Used oil from DG
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	7 KLD
	Others if any:	NA

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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):	NA
	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:	116 m2
	Area for machinery:	58 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 68 Lakh
	O & M cost:	Rs. 27 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

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43.Green Belt Development	**Total RG area :**	RG area provided: 12,805.75 m2
	No of trees to be cut :	Nil
	Number of trees to be planted :	Trees planted till date: 361 Nos, Trees to be planted: 230 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	25	Edible, mature fruit as medicinal value, Bird and insect attractive.
3	MIMUSOP ELENGI	Bakul	18	As medicinal value, Bird and insect attractive.
4	PONGAMIA PINNATA	Karanj	13	Valued for its oil and insect repellent, having medicinal value.
5	SARACA INDICA	Sita Ashok	18	As medicinal value, Bird and insect attractive.
6	ANTHOCEPHALUS CADAMBA	Kadamba	14	Shady, large tree, ball shaped flowers.
7	BAUHINIA PURPUREA	Apta	25	Small tree with small white flowers, Butterfly host plant
8	EUGENIA JAMBOLANA	Jambul	25	Fruit tree attracting birds
9	MICHELIA CHAMPACA	Chafa	15	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
10	MILLINGTONIA HORTENSIS	Indian cork tree	14	Evergreen Tree
11	NYCTANTHES ARBOR TRISTIS	Parijat	28	Small deciduous fast growing tree, beautiful flowers.
12	POLYALTHIA LONGIFOLIA	Ashoka Tree	15	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	NA	NA	NA

47.Energy

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Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	300 kVA
	DG set as Power back-up during construction phase	300 kVA
	During Operation phase (Connected load):	8.1 MW
	During Operation phase (Demand load):	3.5 MW
	Transformer:	Proposed 2 Nos of 1000 kVA Transformer Existing 3 Nos of 1000 kVA Transformer
	DG set as Power back-up during operation phase:	Proposed DG Set (1 Nos of 630 kVA) Existing DG Set (2 Nos of 500 kVA + 1 No of 380 kVA + 1 No of 320 kVA)
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Solar PV for Hot water to Residential Buildings, Solar lighting in landscape , Open area etc.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total Energy saving	21%

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:**	67 lakh
	O & M cost:	3.4 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	-	6.0
2	Site sanitation Facility and its maintenance	-	3.5
3	Potable Water Supply to Labour	-	3.0
4	Health Check-up & First aid	-	6.0

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5	Solid waste management	-	3.0
6	Disinfection	-	4.0
7	Safety Personal Protective Equipment	(Helmets, Safety Shoes, Safety Belt, Googles, Hand Gloves etc.)	12
8	Traffic Management (Sign Boards, Persons, at entry exit and Parking area)	-	1.5
9	Safety nets	-	6.0
10	Safety Training to Workers (Twice in Year), Safety Officer	-	5.0
11	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)	-	145	29
2	Solar System	-	67	3.4
3	Rainwater harvesting	-	81	2.0
4	Solid Waste Composting plant	-	68	27
5	Landscape	-	117	12
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:	The project site is accessible by 16.35 m wide Kolshet road on west side and 22.11 m wide Dhokali- Balkum road on east side and 57.11 m wide Ghodbunder Road on west side from project site.

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Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	Total Podium Area: 29,789.75 m2
	Total Parking area:	Stilt parking area : 2,758.07 m2, Total Parking Area: 33,581.43 m2
	Area per car:	28.5 m2
	Area per car:	28.5 m2
	Number of 2-Wheelers as approved by competent authority:	750 Nos.
	Number of 4-Wheelers as approved by competent authority:	1,160 Nos.
	Public Transport:	NA
	Width of all Internal roads (m):	6 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: 2.30 km approx. As per Eco Sensitive zone notification of SGNP, published by MoEF&CC vide no S.O.3645 (E) dated: 05/12/2016 our project site falls outside the ESZ area i.e. (100 m).
	Category as per schedule of EIA Notification sheet	8 (b)
	Court cases pending if any	Not Applicable
	Other Relevant Informations	Existing 37 Nos of buildings having 924 Nos of flats were completed prior to 2006.
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

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SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

PP Mr. Hemal Gala was present during the meeting along with environmental consultant M/s. Mahabal Enviro Engg. Pvt. Ltd.

PP informed that, the project under consideration is *proposed amendment/expansion in EC Housing Project. PP further stated that, t*he total plot area of the project is 75,065.14Sq.mt having total construction area 165835 Sq. mt. (FSI - 1,02,109.07Sq.mt (65,158.95 Sq.mt + 36,950.12 Sq.mt) Sq.mt + NON FSI- 63,725.48 Sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
k-22	St +1st to 18th Floors	55.39
k- 23	St + P + 1st to 22nd Floors	73.10
k-24	St + P + 1st to 18th Floors	60.15
k-25 A	St + P + 1st to 32nd Floors	107.95
K-25 B	St + P + 1st to 32nd Floors	107.95
K-25 C	St + P + 1st to 32nd Floors	107.95
K-26	St + P + 1st to 15th Floors	49.69
K-27	Gr/St +1st to 18th Floors	57.32
Club House	G+1F	9.73

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PP stated that, the expansion is due to new Government policy dated 16.11.2016 with respect to additional TDR, premium FSI. PP further stated that, existing 37 buildings having BUA of 36,950 m^2 were completed prior to 2004 & till now total 66,544.60 m2 construction carried out on site as per earlier EC

It is noted that, Project has received Environmental clearance vide letter dated 4th December 2010 for total construction area: 69,929.82 m2 having FSI area 38,708.53 m2 and Obtained amended EC vide letter dated 13th March 2014 for total construction area 92,476.20 m2 having FSI area 44,527.40 m2.

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

DECISION OF SEAC

After discussion, Committee approved the ToR with following observations & additions, which is valid upto 15/5/2022. EIA will be apprised as & when submitted. Meanwhile PP should comply following points.

Specific Conditions by SEAC:

1) PP to upload acknowledgement regarding plan submitted to local planning authority.
2) PP to submit the dated Architect certificate addressed to committee regarding building-wise construction done on site as per earlier EC.
3) PP to submit compliance of Construction & Demolition waste management
4) PP to submit HRC NoC.
5) PP to submit the CFO NoC.
6) PP to submit the sewerage network, water supply, storm water drain NOC from local planning authority.
7) PP to submit the detail biodiversity chapter in EIA considering the eco-sensitivity of the site.
8) PP to submit the architect certificate for construction done on site with configurations & cross sections of buildings.
9) PP to submit the DP remarks.
10) PP to ensure ECBC norms are complied.
11) PP to submit Contour and slope analysis super imposed with storm water drain, sewer line map in the project and 500 mtr around the project.
12) PP to submit & upload wind analysis, shadow analysis, traffic analysis, light and ventilation analysis and measures to reduce heat island effect.
13) PP to ensure that maximum treated water should be recycled.
14) PP to submit demolition & debris disposal /waste management plan.
15) PP to submit project specific DMP.
16) PP to ensure that RG required is as per the norms and should be on Mother Earth.
17) PP to submit & upload the design & cross section of STPs indicating minimum 40% area open to sky for adequate ventilation.
18) PP to verify the distance of project site from Flamingo Sanctuary. PP to submit & upload the same.
19) PP to submit CER as per MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project or Environment Department may direct PP to undertake CER work in identified area.
20) PP to also refer standard ToR published by MoEF vide order dated 10/04/15 in addition to above

FINAL RECOMMENDATION

The Committee decided to Grant ToR subject to the above observations,PP requested to prepare and submit EIA report as per EIA Notification, 2006 and amendments thereof.

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Agenda of 99th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 99th **Meeting Date** May 15, 2019

Subject: Environment Clearance for Proposed Amendment and Diversification in Environmental Clearance for "Gigaplex – IT Park" project comprising Commercial (IT/ITES), Residential, School, Retail and GIS and other ancillary structure at Plot No IT-5, Airoli Knowledge Park, MIDC, Navi Mumbai by GIGAPLEX ESTATES PVT. LTD.

Is a Violation Case: No

1.Name of Project	Gigaplex Estates Pvt. Ltd.
2.Type of institution	Private
3.Name of Project Proponent	Gigaplex Estates Pvt. Ltd.
4.Name of Consultant	Mahabal Enviro Engineers Pvt. Ltd.; Dr. D. A. Patil
5.Type of project	Development of Commercial (IT/ITES), Residential, School, Retail, GIS and other ancillary structures
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion and Diversification
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	EC has been obtained vide Letter No. u/No. SEAC-2010/CR-422/TC.2 dt. 24.11.2010, SEAC-2010/CR.422/TC.2 dt. 29.09.2014, SEAC-2015/CR-84/TC-1 dt. 18.07.2016 and MoEF&CC No. F. No. 21-144/2017-IA.III dt. 31.05.2018
8.Location of the project	Plot No IT-5, Airoli Knowledge Park, MIDC, Navi Mumbai
9.Taluka	Navi Mumbai
10.Village	Dighe
Correspondence Name:	Gigaplex Estate Pvt. Ltd.
Room Number:	-
Floor:	-
Building Name:	Raheja Tower, Plot No. C-30, 'G' Block, Next to Bank of Baroda
Road/Street Name:	-
Locality:	Kurla Complex, Bandra (E)
City:	Mumbai
11.Area of the project	Maharashtra Industrial Development Corporation (MIDC), Airoli, Navi Mumbai
12.IOD/IOA/Concession/Plan Approval Number	EE/SPA/IT5/IFMS/D38587/2018 dated 10.10.2018
	IOD/IOA/Concession/Plan Approval Number: EE/SPA/IT5/IFMS/D38587/2018 dated 10.10.2018
	Approved Built-up Area: 603937.29
13.Note on the initiated work (If applicable)	Bldg. No. 1, 2, 5 and 6 are completed & occupied, Bldg. No. 3, 4 & 9 are in progress. Construction work for residential buildings has not been started yet.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	2,02,300.00 m2
16.Deductions	Nil
17.Net Plot area	2,02,300.00 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 5,05,750.0 m2
	b) Non FSI area (sq. m.): 4,78,277.73 m2
	c) Total BUA area (sq. m.): 984027.73
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 3,51,807.03 m2
	Approved Non FSI area (sq. m.): 2,52130.26 m2
	Date of Approval: 10-10-2018
19.Total ground coverage (m2)	93,648.18 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	46 %
21.Estimated cost of the project	22050000000

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22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Commercial (IT/ITES) Component	-	-
2	Building 1	B + Stilt +7th upper +8th (pt)	38.10
3	Building 2	B+ Stilt+ 2P +10th upper floor +11th (pt) Floor + 12th (pt) Floor	63.0
4	Building 3	B+ Stilt+ 2P +10th upper +11th (pt) Floor + 12th (pt) Floor	63.0
5	Building 4	B+ Stilt+ 2P +12th upper +13th (pt) Floor + 14th (pt) Floor	71.4
6	Building 5	B + Stilt +7th Office floors +8 (pt) floor	38.10
7	Building 6	B + Stilt +8th Office floors	38.10
8	Building 9	B + Stilt + 4P + 5th (pt) + 6th to 17th office floor + 18th (pt) + 19th (pt)	84.0
9	Residential Component	-	-
10	Tower No. 1, 12, 13, 14 & 15	B + S + 2P + 36th upper floors	120.60
11	Tower No. 2 & 5	B + S + 2P + 28th upper floors	96.60
12	Tower No. 3	B + S + 2P + 26th upper floors	90.60
13	Tower No. 4	B + S + 2P + 33rd upper floors	111.60
14	Tower No. 6 to 11	B + S + 2P + 35th upper floors	117.60
15	School	B + S +7 upper floors	29.70
16	Retail Building	G + 2 upper floors	11.40
17	GIS (Gas Insulated Substation)	G + 2 upper floors	12.60

23.Number of tenants and shops	Commercial (IT/ITES) Component: (Bldg. 1 to 6 & 9): 3,36,619.07 m2 Residential Component: Nos. of flats: 1,980 Nos.; School area: 9,318.27 m2; Retail area: 1,073.52 m2; Club & Ancillary Structure: 1,200.0 m2
24.Number of expected residents / users	47,480 Nos.
25.Tenant density per hectare	98/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)	30.0 m wide MIDC road off 45.00 m wide Thane Belapur road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	12 m
29.Existing structure (s) if any	Nil

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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**	MIDC
	Fresh water (CMD):	1,782 KLD
	Recycled water - Flushing (CMD):	1,165 KLD
	Recycled water - Gardening (CMD):	218 KLD
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	2,930 KLD
	Fire fighting - Underground water tank(CMD):	As per CFO
	Fire fighting - Overhead water tank(CMD):	As per CFO
	Excess treated water	0 KLD
Wet season:	**Source of water**	MIDC+ RWH
	Fresh water (CMD):	1630+152 KLD
	Recycled water - Flushing (CMD):	1,165 KLD
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	2,930 KLD
	Fire fighting - Underground water tank(CMD):	As per CFO
	Fire fighting - Overhead water tank(CMD):	As per CFO
	Excess treated water	0 KLD
Details of Swimming pool (If any)	-	

33.Details of Total water consumed

Particulars	Consumption (CMD)	Loss (CMD)	Effluent (CMD)

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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 to 3 m
	Size and no of RWH tank(s) and Quantity:	12 RWH Tanks with total capacity 1,670 CMD
	Location of the RWH tank(s):	Underground
	Quantity of recharge pits:	-
	Size of recharge pits :	-
	Budgetary allocation (Capital cost) :	Rs. 384 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 19.2 Lakhs/year
	Details of UGT tanks if any :	Underground
35.Storm water drainage	**Natural water drainage pattern:**	The slope of the plot is towards West side
	Quantity of storm water:	21,664.11 m3/hr
	Size of SWD:	600 mm x 600 mm
Sewage and Waste water	**Sewage generation in KLD:**	2,752 KLD
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	24 STPs one each in every building totaling to 2,840 m3 capacity
	Location & area of the STP:	Location: Basement; Area: 2,500 m2
	Budgetary allocation (Capital cost):	Rs. 568 Lakhs
	Budgetary allocation (O & M cost):	Rs. 114 Lakhs/year

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction debris: 28,574 m3 Excavation for basement and foundation purpose.
	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:**	4,989 kg/day
	Wet waste:	7,483 kg/day
	Hazardous waste:	Used Oil from DG
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	28 kg/day
	Others if any:	E Waste: 2 Tonne/year

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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 unit and used as organic manure for landscaping.
	Hazardous waste:	Will be handed over to MPCB authorized vendor
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Sludge will be used as a manure for gardening
	Others if any:	E-waste is disposed off through authorized vendor
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	500 m2
	Area for machinery:	250 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 300 Lakhs
	O & M cost:	Rs. 120 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

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43.Green Belt Development	**Total RG area :**	RG Required: 40,460 m2; Total RG Proposed: 43,531.48 m2
	No of trees to be cut :	Existing trees: 17 Nos.; New planted trees: 496 Nos.
	Number of trees to be planted :	2016 Nos.
	List of proposed native trees :	Given below
	Timeline for completion of plantation :	After Completion of Project (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	ERYTHRINA INDICA	Pangara	150	As medicinal value, Bird and insect attractive.
2	LAGERSTROEMIA SPECIOSA	Tamhan	150	Edible, mature fruit as medicinal value, Bird and insect attractive.
3	MIMUSOP ELENGI	Bakul	180	As medicinal value, Bird and insect attractive.
4	PONGAMIA PINNATA	Karanj	200	Valued for its oil and insect repellent, having medicinal value.
5	SARACA INDICA	Sita Ashok	200	As medicinal value, Bird and insect attractive.
6	ANTHOCEPHALUS CADAMBA	Kadamba	175	Shady, large tree, ball shaped flowers.
7	AZADIRACHTA INDICA	Neem	100	Semi-evergreen tree with medicinal value
8	BAUHINIA PURPUREA	Apta	200	Small tree with small white flowers, Butterfly host plant
9	EUGENIA JAMBOLANA	Jambul	101	Fruit tree attracting birds
10	MICHELIA CHAMPACA	Chafa	200	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
11	MILLINGTONIA HORTENSIS	Indian cork tree	180	Evergreen Tree
12	NYCTANTHES ARBOR TRISTIS	Parijat	180	Small deciduous fast growing tree, beautiful 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	-	-	10,162 m2

47.Energy

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Power requirement:	**Source of power supply :**	Maharashtra State Electricity Distribution Company Limited (MSEDCL)
	During Construction Phase: (Demand Load)	1000 kVA
	DG set as Power back-up during construction phase	1000 kVA
	During Operation phase (Connected load):	97.0 MW
	During Operation phase (Demand load):	55.4 MW
	Transformer:	-
	DG set as Power back-up during operation phase:	Total: 90,380 kVA (8 x 1010 kVA, 3 x 1500 kVA, 4 x 1700 kVA, 16 x 2000 kVA, 4 x 2250 kVA, 12 x 2500 kVA)
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	Nil

48.Energy saving by non-conventional method:

- High Albedo Roof
- Wall Insulation
- High Performance Glazing HPG
- Reduced Lighting Power Density
- Occupancy Sensors
- Chiller COP 6.3
- Heat Recovery from Exhaust
- Cooling Tower measures
- Use of T5 lamps/CFLs for common areas
- Common area & external lighting on multiple circuits under timer control
- Solar power for street lighting
- Elevators in group control

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total Energy Saving	17.19 %

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. 108 Lakhs
	O & M cost:	Rs. 5.4 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)

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1	Water spray for dust suppression	-	15
2	Site sanitation Facility and its maintenance	-	15
3	Potable Water Supply to Labour	-	8
4	Solid waste management	-	5
5	Disinfection	-	5
6	Safety Personal Protective Equipment	(Helmets, Safety Shoes, Safety Belt, Googles, Hand Gloves etc.)	14
7	Traffic Management (Sign Boards, Persons, at entry exit and Parking area)	-	8
8	Safety nets	-	18
9	Safety Training to Workers (Twice in Year), Safety Officer	-	10
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

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)	Continuous O & M	568	114
2	Solar System	Weekly	108	5.4
3	Rainwater harvesting	During rainy season (Cleaning of RWH tanks and Filtration chamber)	384	19.2
4	Solid Waste Composting plant	Continuous O & M	300	120
5	Landscape	Daily	435	43.5
6	Environmental Monitoring	As per the CPCB guidelines through MoEF Approved laboratories	-	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

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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:	30.0 m wide MIDC road off 45.00 m wide Thane Belapur road. Minimum width of internal layout road proposed in the layout is 12.00. Two junctions to the main road have been proposed in the layout for entry and exit.
Parking details:	**Number and area of basement:**	1 Basement in Commercial (IT/ITES) with area of 7,362.54 m2; 1 Basement in Residential with area of 35,427.08 m2
	Number and area of podia:	Podium 1-4 in Commercial with total area of 29,667.10 m2; Podium 1 & 2 in Residential with total area of 70,854.16 m2.
	Total Parking area:	1,86,015.54 m2
	Area per car:	28.5 m2 (Approx.)
	Area per car:	28.5 m2 (Approx.)
	Number of 2-Wheelers as approved by competent authority:	Commercial Parking: 2,000 Nos.; Residential Parking:171 Nos.
	Number of 4-Wheelers as approved by competent authority:	Commercial Parking: 6332 Nos.; Residential Parking: 2173 Nos.
	Public Transport:	-
	Width of all Internal roads (m):	6 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 : 11.2 km approx.
	Category as per schedule of EIA Notification sheet	8 (b)
	Court cases pending if any	NA
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

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SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

DECISION OF SEAC

PP was absent. Environment consultant submitted the absent letter dated 14/5/2019, which was taken on record, hence the proposal is deferred

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

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Agenda of 99th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 99th **Meeting Date** May 15, 2019

Subject: Environment Clearance for 'SKY CITY' Mixed Use Project with Mall and Hotel with Public parking

Is a Violation Case: No

1.Name of Project	'SKY CITY' Mixed Use Project with Mall and Hotel with Public parking
2.Type of institution	Private
3.Name of Project Proponent	M/s. Incline Realty Pvt. Ltd
4.Name of Consultant	M/s. Enviro Analyst and engineering Pvt. Ltd. - Mr. Hanuman Desai
5.Type of project	Mixed Use Project with Mall and Hotel with Public parking
6.New project/expansion in existing project/modernization/diversification in existing project	Amendment is existing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	EC received vide letter No. SEAC-2014/CR-271/TC-1 dated 15th July 2016 for construction area 9,74,017.34 Sqm
8.Location of the project	Located at cts no 107/E,140/A,141,142,155,155/1 to 12 in village Magathane, Taluka Borivali, Mumbai
9.Taluka	Borivali
10.Village	Magathane
Correspondence Name:	Mr. Rajendra Chandorkar
Room Number:	Third Floor
Floor:	Third Floor
Building Name:	Commerz
Road/Street Name:	International Business park, Oberoi garden City
Locality:	Goregaon (East)
City:	Mumbai - 400063
11.Area of the project	Municipal Corporation of Greater Mumbai (MCGM)
12.IOD/IOA/Concession/Plan Approval Number	Concession Number: CHE/WS-II/1083/R/C/337(NEW)
	IOD/IOA/Concession/Plan Approval Number: CHE / WSII / 05 05 / R1 / 337 / (NEW)
	Approved Built-up Area: 400699.70
13.Note on the initiated work (If applicable)	Construction of Building No. 1 Residential Towers A to G and its podium started as per EC received dated 15th July 2016.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	1,01,642.70 sqm
16.Deductions	2,704.5 sqm
17.Net Plot area	98,938.20 sqm
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 4,00,699.71 sqm
	b) Non FSI area (sq. m.): 5,00,297.79sqm
	c) Total BUA area (sq. m.): 900997.50
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 4,00,699.71 sqm
	Approved Non FSI area (sq. m.): 5,00,297.79 sqm
	Date of Approval: 07-04-2017
19.Total ground coverage (m2)	75215.59 (74%)
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Ground Coverage - 74% (Podium Boundary) including mall, Residential Tower Footprint area-8% and Hotel Block Foot Print - 2%
21.Estimated cost of the project	32250000000

22.Number of buildings & its configuration

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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building No. 1 consisting of 8 Nos. of Residential Towers (A to H)	3 basements + Ground + 5 podiums + 6 to 61 floors (including 2 Fire check floors)	201.55
2	Building No. 2 consisting of Commercial building	1 Basement + Ground + 1 Floors	9
3	Building No. 3 consisting of Mall + Hotel	3 Basements + Lower Ground + Ground part as mall and Part hotel + 1st floor to 3rd floor as mall with Multiplex Theatres, food court, restaurants and FEC + 4th Floor as part mall and restaurants and part Hotel + 5th to 26th floors for Hotel.+ Terrace.	97.20

23.Number of tenants and shops	Building No. 1 - Residential (8 Towers A to H) 3016 nos Building no 2 - Commercial building (OC granted) 4 nos Building no 3 - Mall and Hotel (Newly proposed) Upto 200 shops in mall +food court + Restaurant + Multiplex theater +FEC. 1 tenant comprising Upto 300 rooms in hotel + Restaurants + Banquet hall + Spa.
24.Number of expected residents / users	Building No. 1 - Residential (8 Towers A to H) 14104 PPL - 1963 Nos. Building No.02 – Commercial building (OC granted) 145 Nos. Building No.03 - Mall & Hotel (Newly proposed) 22730 Nos.
25.Tenant density per hectare	357 Tenaments / 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)	36.60 m wide Dattapada Road, 18.30 m DP Road and 60 m wide Western Express Highway
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	>7.5 m
29.Existing structure (s) if any	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

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Dry season:	**Source of water**	MCGM
	Fresh water (CMD):	1832 CMD
	Recycled water - Flushing (CMD):	941 CMD
	Recycled water - Gardening (CMD):	712 CMD
	Swimming pool make up (Cum):	118 CMD
	Total Water Requirement (CMD) :	3603 CMD
	Fire fighting - Underground water tank(CMD):	Building No. 1 - Residential (8 Towers A to H) 3 tanks of 3 lakhs capacity each Building No. 3 - Mall and hotel (Newly proposed) 1 Tank of 4 lakhs capacity
	Fire fighting - Overhead water tank(CMD):	Building No. 1 - Residential (8 Towers A to H) 50,000 liters for each tower Building No. 3 - Mall and hotel (Newly proposed) 25,000 liters above two staircases
	Excess treated water	466 CMD
Wet season:	**Source of water**	MCGM + RWH
	Fresh water (CMD):	1832 CMD
	Recycled water - Flushing (CMD):	941 CMD
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	118 CMD
	Total Water Requirement (CMD) :	2891 CMD
	Fire fighting - Underground water tank(CMD):	Building No. 1 - Residential (8 Towers A to H) 3 tanks of 3 lakhs capacity each Building No. 3 - Mall and hotel (Newly proposed) 1 Tank of 4 lakhs capacity
	Fire fighting - Overhead water tank(CMD):	Building No. 1 - Residential (8 Towers A to H) 50,000 liters for each tower Building No. 3 - Mall and hotel (Newly proposed) 25,000 liters above two staircases
	Excess treated water	1020 CMD
Details of Swimming pool (If any)	Pool No.1 – 600 sqm approx. with 1.20 mtrs depth Pool No. 2 - 1000 sqm approx. with 0.90 mtrs average depth Pool No. 3 – 700 sqm approx. with 0.60 mtrs average depth Pool No. 4 – 250 sqm approx. with 1.20 mtrs depth Pool No. 5 – 50 sqm approx. with 0.45 mtrs depth	

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	1832	1832	Not applicable	275	275	Not applicable	1557	1557

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	3.00 M and 12.00 M from BGL
	Size and no of RWH tank(s) and Quantity:	Building No. 1 - Residential (8 Towers A to H) For 3 Tower 480 m3 For 3 Tower 480 m3 For 2 Tower 320 m3 Building No. 3 - Mall + Hotel (Newly proposed) Mall + hotel 600 m3
	Location of the RWH tank(s):	Basement Level 3
	Quantity of recharge pits:	9 Nos.
	Size of recharge pits :	25 cu.m each
	Budgetary allocation (Capital cost) :	Rs.41 lakhs
	Budgetary allocation (O & M cost) :	Rs.1.76 lakhs/year
	Details of UGT tanks if any :	Building No. 1 - Residential (8 Towers A to H) Location(s) of the UGT tank(s)-Basement Residential Domestic -1905 cum Flushing -1377 cum PPL Domestic -59 cum Flushing -74cum Building No. 02 – Commercial building (OC granted) Location(s) of the UGT tank(s)-Basement Domestic - 6 cum Flushing -27 cum Building No. 03 - Mall+Hotel (Newly proposed) Location(s) of the UGT tank(s)-Basement Domestic - 541 cum Flushing - 311 cum
35.Storm water drainage	**Natural water drainage pattern:**	Flows from West to East
	Quantity of storm water:	Total Storm Water Run off to Municipal Storm Water network is 5100 cu.m / hr
	Size of SWD:	300 mm, 450 mm, 600 mm and 900 mm
Sewage and Waste water	**Sewage generation in KLD:**	Building No. 1 - Residential (8 Towers A to H) 1679 KLD PPL - 82 KLD Building No. 02 – Commercial building (OC granted) 6 KLD Building No. 03 - Mall+Hotel (Newly proposed): 771 KLD
	STP technology:	MBR
	Capacity of STP (CMD):	Building No. 1 - Residential (8 Towers A to H) Capacity of STP-850 KLD, 850 KLD, 575 KLD Building No. 03 - Mall+Hotel (Newly proposed) Capacity of STP-600 KLD, 400 KLD
	Location & area of the STP:	Ground
	Budgetary allocation (Capital cost):	Rs.650.00 lakh
	Budgetary allocation (O & M cost):	Rs.65.00 lakh

36.Solid waste Management

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Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Excavated material, Cement Bags, Paint container (@20L), Scrap metal generated, Broken Tiles
	Disposal of the construction waste debris:	Excavated material Shall be used on site for backfilling and for internal roads. Excess shall be disposed to authorized landfills, Empty Cement bags to be handed over to recycler. Paint container (@20L) To be handed over to recycler. Scrap metal generated to be sold for recycling ,Broken tiles to be used for skirting. Broken pieces to be used for china mosaic waterproofing of terraces
Waste generation in the operation Phase:	**Dry waste:**	Building No. 1 - Residential (8 Towers A to H) Non Biodegradable waste: 3046 kg/day PPL Non Biodegradable waste: 344 kg/day Building no 2 – Commercial building (OC granted) Non Biodegradable waste: 25 kg/day Building 3 - Mall + Hotel (Newly proposed) Non-Biodegradable waste: 2,455 kg/day
	Wet waste:	Building No. 1 - Residential (8 Towers A to H) Biodegradable waste: 4570 kg/day PPL Biodegradable waste: 147 kg/day Building no 2 – Commercial building (OC granted) Biodegradable waste: 11 kg/day Building 3 - Mall + Hotel (Newly proposed) Biodegradable waste: 1,637 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	68 kg/day
	Others if any:	E- waste will be handed over to authorized MPCB dealers
Mode of Disposal of waste:	**Dry waste:**	To be hand over to Local Recyclers for recycling
	Wet waste:	Landscaping / Gardening, Excess manure shall be sold to nearby end
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	To be used as a manure
	Others if any:	E- waste will be handed over to authorized MPCB dealers
Area requirement:	**Location(s):**	Ground Floor
	Area for the storage of waste & other material:	100 sqm
	Area for machinery:	10 sqm for each machine
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs 142 Lakhs
	O & M cost:	Rs 35.5 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

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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 on ground: 25877 sqm (26%) Additional RG on Podium: 27089 sqm Total RG areas proposed: 52966 sqm
	No of trees to be cut :	77 Nos.
	Number of trees to be planted :	1127 Nos.
	List of proposed native trees :	as listed bellow
	Timeline for completion of plantation :	7 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	Peltophorumpterocarpum	Copper Pod	50	Evergreen, shade throughout the year
2	Azadirachtaindica	Neem	25	Purifies air, nesting ground for birds and insects
3	Erythrinaindica	Coral Tree	20	Native of western ghat, flowering
4	Mangiferaindica	Mango Tree	12	Evergreen, shade throughout the year
5	Cocosnucifera	Coconut Tree	25	fruit bearing, feeding the birds
6	Aeglemarmelos	Bael	40	Religiuos significance, native tree
7	Bombaxceiba	Red-silk cotton	20	Decidous, native of western ghat
8	Terminaliacatappa	Badam Tree	10	Evergreen, shade throughout the year, fruit bearing, feeding the birds
9	Pomgamiaglabra	Karanj	75	Evergreen plant, shade giver

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10	Micheliachampaca	Champaka	50	Religiuos significance, native tree
11	Ficusracemosa	Umber	5	Nesting grounds for birds and insects
12	Buteamonosperma	Palas	25	Decidous, native of western ghat
13	Mimusopselengi	Bakul	40	Native trees, flowering, less water
14	Borassusflabellifer	Toddy Palm	20	Nesting grounds for birds and insects
15	Bahuineapurpurea	Kanchan	50	Flowering tree, native tree
16	Lagerstroemia speciosa	Taman	50	State tree of Maharashtra, flowering
17	Ficusreligiosa	Peepal	5	Purifies air, nesting ground for birds and insects
18	Terminaliabellirica	Baheds Tree	20	Nesting and feeding ground for parrots
19	Plumeriarubra	Chafa	50	Decidous, flowering throughout the year
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	Peltophorumpterocarpum	5 m	15 Nos.
2	Bahuineapurpurea	5 m	75 Nos
3	Aeglemarmelos	5 m	35 Nos
4	Emblicaofficinails (Awla)	5 m	50 Nos
5	Plum eriarubra (Chafa)	5 m	100 Nos
6	Micheliachampaca (Champaka)	5 m	100 Nos
7	Mimusopselengi (Bakul)	5 m	10 Nos
8	Areca catechu (Supari)	5 m	50 Nos
9	Terminaliabellirica (Baheds Tree)	5 m	25 Nos
10	Nyctanthesarbortristis (Parijatak)	5 m	50 Nos
11	Caryotaurenus (Fish Tail Palm)	5 m	25 Nos

47.Energy

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Power requirement:	**Source of power supply :**	ADANI Electricity Mumbai Limited / TATA
	During Construction Phase: (Demand Load)	1000 kw
	DG set as Power back-up during construction phase	Not Applicable
	During Operation phase (Connected load):	Building No. 1 - Residential (8 Towers A to H) Connected Load - 39,200 kW Building 3 - Mall + Hotel (Newly proposed) Connected Load – 22,767 kW
	During Operation phase (Demand load):	Building No. 1 - Residential (8 Towers A to H) Maximum Demand - 23600 kW Building 3 - Mall + Hotel (Newly proposed) Maximum Demand - 14,799 kW
	Transformer:	Building No. 1 - Residential (8 Towers A to H) 15 Nos. 2000 kVA Building No. 3: 10 Nos. 2000 kVA
	DG set as Power back-up during operation phase:	Building No. 1 - Residential (8 Towers A to H) 04 X 1250 KVA 02 X 810 KVA Building no 2 – Commercial building (OC granted) 1 X 150 KVA Building 3 - Mall + Hotel (Newly proposed) 5 X 1500 KVA 2 X 2000 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	Not Applicable

48.Energy saving by non-conventional method:

By using LED Lamps and Solar panels

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	By using LED Lamps and Solar panels	Building No. 1 Residential (8 Towers A to H): 18.95% Building No. 3 Mall + Hotel: 20.25%

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. 160 Lakhs
	O & M cost:	Rs. 16 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	Water Sprinkling, Green Belt Development, Covered Storage Area	25 lakhs
2	Noise Environment	Noise Barricades and Green Belt Development	13 Lakhs

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3	Water Environment	Modular STP, Drainage with sedimentation tank	10 lakhs
4	Good Health Practices	Site Sanitation, Health Care	12 lakhs
5	Environment Monitoring	Air, water, noise, soil monitoring during construction phase	75 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	RWH	4 Tanks	42	5
2	OWC	4 Machines	142	35.5
3	STP	Building no1: 3 Building no 3: 2	650	65
4	Landscaping	At ground and at podium level	2360	208.3
5	Energy System	Solar Panels	160	1.6

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:	Number of junctions to the main road - 3 entry exits from 3 different roads 60 mts wide Western express highway on east 36.6 mts wide Dattapada road on south 18.3 mts wide DP road on west

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Parking details:	**Number and area of basement:**	3 Basements
	Number and area of podia:	5 Podiums
	Total Parking area:	4,19,841 sq.mts
	Area per car:	34.7 sqm
	Area per car:	34.7 sqm
	Number of 2-Wheelers as approved by competent authority:	As per DCPR 2034
	Number of 4-Wheelers as approved by competent authority:	Residential-6396 nos mall-1400 nos hotel-367 nos Building No 2-37 nos PPL car parks- 3896
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	Min. 6.00 m wide road
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Aerial Distance form Sanjay Gandhi National Park - 1 km
	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.	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

SEAC AGENDA-0000000266

PP Mr. Rajendra Chandorkar was present during the meeting along with environmental consultant M/s. Enviro Analysts & Engineers Pvt. Ltd.

PP informed that, the project under consideration is Mixed Use Project with Mall and Hotel. PP further stated that, the total plot area of the project is 1,01,642.70 Sq.mt having total construction area 9,00,997.50 Sq. mt. (FSI - 4,00,699.71 Sq.mt + NON FSI- 5,00,297.79 Sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Building No. 1 - 8 Nos. of Residential Towers	3 Basements + Ground + 4 Podiums + 61 Floors	NA
Building No. 2 - Commercial	1 Basement + Ground + 2 Floors	NA
Building No. 3 - Mall 3	Basements + Lower Ground + Ground + 4 Floors	NA
Building No. 3 - Hotel	3 Basements + Lower Ground + Ground + 25 Floors	NA

SEAC AGENDA-0000000266

PP stated that, they have received EC vide letter dated 15/7/2016 for total built up area 9,74,013.34 Sq.mt. comprising Building No 1- Residential with 10 numbers of tower & Building No 2- Commercial with 1basement + ground+1 floor. PP further stated that, now the project under consideration is for Building No 1- Residential with 8 numbers of tower & Building No 2- Commercial with 1basement + ground+2 floor & Adding one more building, Building No 3 with Mall & Hotel. PP stated that, the increase is due to one plot having area 489.60 Sq.mt added to the original plot.

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

DECISION OF SEAC

After discussion, Committee approved the ToR with following observations & additions, which is valid upto 15/5/2022. EIA will be apprised as & when submitted. Meanwhile PP should comply following points.

Specific Conditions by SEAC:

1) PP to upload acknowledgement regarding plan submitted to local planning authority.
2) PP to submit the dated Architect certificate addressed to committee regarding building-wise construction done on site as per earlier EC.
3) Committee noted that, PP have circulated the revised CS,PP to revised the same online also.
4) PP to submit compliance of Construction & Demolition waste management
5) PP to submit comparative statement regarding assessment of Environment Impact as per earlier EIA, Actual and impact due to proposed expansion.
6) PP to ensure ECBC norms are complied.
7) PP to submit the NoC from Monorail Corporation.
8) PP to ensure that there is a buffer zone near monorail route.
9) PP to submit the plan to reduce Noise pollution.
10) PP to also consider the Hotel roof top for the rain water harvesting.
11) PP to submit HRC NoC.
12) PP to submit the CFO NoC.
13) As agreed by PP, PP to provide the same connection to the other side of the mall as proposed for Metro rail station to Mall.
14) PP to ensure that, no nalla should be diverted. PP to submit the nalla remarks.
15) PP to submit the DP remarks.
16) PP to submit the sewerage network, water supply, storm water drain NOC from local planning authority.
17) PP to submit Contour and slope analysis super imposed with storm water drain, sewer line map in the project and 500 mtr around the project.
18) PP to submit & upload wind analysis, shadow analysis, traffic analysis, light and ventilation analysis and measures to reduce heat island effect.
19) PP to submit the compensatory plantation plan.
20) PP to ensure that maximum treated water should be recycled.
21) PP to submit project specific DMP.
22) PP to submit the detail biodiversity chapter in EIA considering the eco-sensitivity of the site.
23) PP to verify the distance of project site from Flamingo Sanctuary. PP to submit & upload the same.
24) PP to ensure that RG required is as per the norms and should be on Mother Earth PP to submit CER as per MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project or Environment Department may direct PP to undertake CER work in identified area.
25) PP to also refer standard ToR published by MoEF vide order dated 10/04/15 in addition to above

FINAL RECOMMENDATION

The Committee decided to Grant ToR subject to the above observations,PP requested to prepare and submit EIA report as per EIA Notification, 2006 and amendments thereof.

SEAC-AGENDA-0000000266

Agenda of 99th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 99th **Meeting Date** May 15, 2019

Subject: Environment Clearance for Amendment in EC for "Rental Housing Scheme" at village – Rohinjan, Taluka – Panvel, District – Raigad

Is a Violation Case: No

1.Name of Project	"Rental Housing Scheme" at village – Rohinjan, Taluka – Panvel, District – Raigad
2.Type of institution	Private
3.Name of Project Proponent	M/s. Adhiraj Constructions Pvt. 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	Amendment in Environmental Clearance
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Received Prior Environmental Clearance from SEIAA, Maharashtra dt. 28.06.2011 and Amendment in EC from MOEF&CC dt. 18.06.2015
8.Location of the project	At land bearing S. Nos. 64/2, 66/2, 67/1, 67/2/1, 67/2/2, 67/4, 68/1A, 68/1B, 68/2, 68/4, 69/0 (pt.), 70/1, 70/2, 71/2, 71/3, 71/4, 72/1A, 72/1B, 72/3, 76/1, 76/2/1, 76/2/2, 77/1, 77/2, 79/3 ,86/1, 86/2, 88/0, 89/1, 89/2, 90, 91/3, 99/2 at village – Rohinjan, Taluka – Panvel, District – Raigad.
9.Taluka	Panvel
10.Village	Rohinjan
Correspondence Name:	M/s. Adhiraj Constructions Pvt. Ltd.
Room Number:	501
Floor:	--
Building Name:	Landmark
Road/Street Name:	--
Locality:	Sector 07, Kharghar
City:	Navi Mumbai.
11.Area of the project	Panvel Municipal Corporation (PMC)
12.IOD/IOA/Concession/Plan Approval Number	Received Approved plan dated. 23.04.2015 ; Received Commencement Certificate (CC) dated 30.09.2016 and 07.10.2017.
	IOD/IOA/Concession/Plan Approval Number: Approved plan dt.23.04.2015 (164/2014) CC dt.30.09.2016 (L.N.A1(B)/16/2016) CC dt.07.10.2017. (8775/2017)
	Approved Built-up Area: 554877.64
13.Note on the initiated work (If applicable)	Received Prior Environmental Clearance dt. 28.06.2011 and Amendment in EC dt. 18.06.2015. Total constructed work (FSI+ Non FSI) on site till date: 1,58,884.69 Sq.mt.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Received Location clearance from MMRDA dt. 16/04/2013 and 22.12.2014
15.Total Plot Area (sq. m.)	1,57,450.00 Sq.mt.
16.Deductions	18,730.59 Sq.mt.
17.Net Plot area	1,38,719.41 Sq.mt.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 5,36,573.42 Sq.mt.
	b) Non FSI area (sq. m.): 7,07,565.00 Sq.mt.
	c) Total BUA area (sq. m.): 1244138.41
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 5,54,877.64 Sq.mt.
	Approved Non FSI area (sq. m.): Shall be submitted
	Date of Approval: 23-04-2015
19.Total ground coverage (m2)	59,262.00 Sq.mt.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	43%
21.Estimated cost of the project	23670000000

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22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Rental	--	--
2	Building 1 & 2	Ground (pt) + Stilt (pt) + 20 floors each	58.05
3	Building 3, 4 , 5 & 6	Ground (pt) + Stilt (pt) + 26 floors each	74.55
4	Sale	--	--
5	Building 1A & 1B	2 Basements + Lower Ground + Upper Ground + 2 Podia + 1st to 45th floor	148.50
6	Building 1C & 1D	2 Basements + Lower Ground + Upper Ground + 2 Podia + 1st to 45th floor	148.50
7	Building 2A & 2B	Lower Ground + Upper Ground + 2 Podia + 1st to 55th floor	179.80
8	Building 3B	1 Basement + Lower Ground + Upper Ground + 2 Podia + 1st to 55th floor	179.80
9	Tower 5	3 Basements + Ground + 2 Podia + 1st to 44th floors	146.80
10	Building 6A & 6B	3 Basements + Ground + 2 Podia + 1st to 44th floors	146.80
11	Building 7A	3 Basements + Ground + 2 Podia + 1st to 44th floors	146.80
12	Building 10A & 10B	3 Basements + Ground + 2 Podia + 1st to 44th floors	146.80
13	Tower 11	3 Basements + Ground + 2 Podia + 1st to 45th floors	149.80
14	Tower T1	Ground + 1st to 46th floors	143.95
15	Tower T2 & T3	Ground + 1st to 46th floors	143.95
16	Tower T4 & T5	Ground + 1st to 46th floors	143.95
17	Club house + Commercial	1 Basement + Ground +1st to 4th floor	17.40

23.Number of tenants and shops	Rental: Flats: 3991 nos. Shops: 43 nos. Balwadi: 22 nos. Welfare Center: 22 nos. Manager Office: 9 nos. Sale: Flats: 5102 nos. Shops: 28 nos.
24.Number of expected residents / users	47307 nos.
25.Tenant density per hectare	654/hector
26.Height of the building(s)	

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27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	24.00 mt. wide 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 mt.
29.Existing structure (s) if any	Part construction completed as per 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**	Maharashtra Jivan Pradhikaran (MJP)/ Tanker Water of potable quality
	Fresh water (CMD):	Shall be submitted
	Recycled water - Flushing (CMD):	Shall be submitted
	Recycled water - Gardening (CMD):	Shall be submitted
	Swimming pool make up (Cum):	Shall be submitted
	Total Water Requirement (CMD) :	Shall be submitted
	Fire fighting - Underground water tank(CMD):	Shall be submitted
	Fire fighting - Overhead water tank(CMD):	Shall be submitted
	Excess treated water	Shall be submitted

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Wet season:	**Source of water**	M.J.P/Partly by RWH/ Tanker Water of potable quality
	Fresh water (CMD):	Shall be submitted
	Recycled water - Flushing (CMD):	Shall be submitted
	Recycled water - Gardening (CMD):	Shall be submitted
	Swimming pool make up (Cum):	Shall be submitted
	Total Water Requirement (CMD) :	Shall be submitted
	Fire fighting - Underground water tank(CMD):	Shall be submitted
	Fire fighting - Overhead water tank(CMD):	Shall be submitted
	Excess treated water	Shall be submitted
Details of Swimming pool (If any)	Shall be submitted	

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:**	Between 0.6 m to 2.8 m below ground level.
	Size and no of RWH tank(s) and Quantity:	Shall be submitted
	Location of the RWH tank(s):	Shall be submitted
	Quantity of recharge pits:	--
	Size of recharge pits :	--
	Budgetary allocation (Capital cost) :	Shall be submitted
	Budgetary allocation (O & M cost) :	Shall be submitted
	Details of UGT tanks if any :	Shall be submitted

35.Storm water drainage	**Natural water drainage pattern:**	Shall be submitted
	Quantity of storm water:	Shall be submitted
	Size of SWD:	Shall be submitted

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Sewage and Waste water	**Sewage generation in KLD:**	Shall be submitted
	STP technology:	Shall be submitted
	Capacity of STP (CMD):	Shall be submitted
	Location & area of the STP:	Shall be submitted
	Budgetary allocation (Capital cost):	Shall be submitted
	Budgetary allocation (O & M cost):	Shall be submitted

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Shall be submitted
	Disposal of the construction waste debris:	Construction waste shall be partly reused/recycled and partly disposed to the authorized site with the permission of local authority.
Waste generation in the operation Phase:	**Dry waste:**	Shall be submitted
	Wet waste:	Shall be submitted
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Shall be submitted
	Others if any:	Not Applicable
Mode of Disposal of waste:	**Dry waste:**	To Authorized recyclers
	Wet waste:	Treatment in OWC
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Use as manure
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	Shall be submitted
	Area for the storage of waste & other material:	Shall be submitted
	Area for machinery:	Shall be submitted
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Shall be submitted
	O & M cost:	Shall be submitted

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	DG Set	--	--	--	--	--

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	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 :	On Ground: 13,559.80 Sq.mt.
No of trees to be cut :	No existing trees on site.
Number of trees to be planted :	Shall be submitted
List of proposed native trees :	Shall be submitted
Timeline for completion of plantation :	Before completion of project

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	--	--	--	--
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

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Power requirement:	**Source of power supply :**	Maharashtra State Electricity Distribution Company Limited (MSEDCL)
	During Construction Phase: (Demand Load)	Shall be submitted
	DG set as Power back-up during construction phase	As per requirement
	During Operation phase (Connected load):	Shall be submitted
	During Operation phase (Demand load):	Shall be submitted
	Transformer:	Shall be submitted
	DG set as Power back-up during operation phase:	Shall be submitted
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	No

48.Energy saving by non-conventional method:

Shall be submitted

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Overall energy saving	Shall be submitted

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Sewage	--	Sewage Treatment Plant (STP)
Solid waste	--	Organic Waste Converter (OWC)

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Shall be submitted
	O & M cost:	Shall be submitted

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Shall be submitted	--	--	--

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

SEAC-AGENDA-0000000266

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 entry and exits
Parking details:	**Number and area of basement:**	Details as mentioned in Project proposal at Sr. no. 24
	Number and area of podia:	Details as mentioned in Project proposal at Sr. no. 24
	Total Parking area:	Shall be submitted
	Area per car:	--
	Area per car:	--
	Number of 2-Wheelers as approved by competent authority:	Parking spaces Provision: 724 nos.
	Number of 4-Wheelers as approved by competent authority:	Parking spaces Provision: 5331 nos.
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	Minimum 9.00 mt.
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	8 (b) B1
	Court cases pending if any	Yes
	Other Relevant Informations	--

SEACAGENDA-00000000266

	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

SEAC-AGENDA-0000000266

Representative of PP Mr. Amitabh Kumar was present during the meeting along with Environmental Consultant M/s. Ultra-Tech.

PP informed that, the project under consideration is *proposed amendment in Environmental Clearance for Rental housing project. PP further stated that,* the total plot area of the project is 1,57,450.00 Sq.mt having total construction area 1244138.41 Sq.mt.(FSI - 5,36,573.42 Sq. mt. + NON FSI- 7,07,565.00Sq. mt.) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Rental	--	--
Building 1 & 2	Ground (pt) + Stilt (pt) + 20 floors each	58.05
Building 3, 4 , 5 & 6	Ground (pt) + Stilt (pt) + 26 floors each	74.55
Sale	--	--
Building 1A & 1B	2 Basements + Lower Ground + Upper Ground + 2 Podia + 1st to 45th floor	148.50
Building 1C & 1D	2 Basements + Lower Ground + Upper Ground + 2 Podia + 1st to 45th floor	148.50
Building 2A & 2B	Lower Ground + Upper Ground + 2 Podia + 1st to 55th floor	179.80
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Building 10A & 10B	3 Basements + Ground + 2 Podia + 1st to 44th floors	146.80
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Tower T2 & T3	Ground + 1st to 46th floors	143.95
Tower T4 & T5	Ground + 1st to 46th floors	143.95
Club house + Commercial	1 Basement + Ground +1st to 4th floor	17.40

It is noted that, Project has received Environmental clearance vide letter dated 28.06.2011 and Amendment in EC from MOEF&CC vide letter dated. 18.06.2015.

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

SEAC-AGENDA-000000026

DECISION OF SEAC

After discussion, Committee approved the ToR with following observations & additions, which is valid upto 15/5/2022. EIA will be apprised as & when submitted. Meanwhile PP should comply following points.

Specific Conditions by SEAC:

1) PP to upload acknowledgement regarding plan submitted to local planning authority.
2) PP to submit the copy of earlier ECs.
3) Committee noted that, PP have circulated the revised CS,PP to revise the same online also.
4) PP to submit comparative statement regarding assessment of Environment Impact as per earlier EIA, Actual and impact due to proposed expansion.
5) PP to submit the dated Architect certificate addressed to committee regarding building-wise construction done on site as per earlier EC.
6) PP to submit the plan to reduce Noise pollution.
7) PP to submit HRC NoC.
8) PP to submit the CFO NoC.
9) PP to ensure ECBC norms are complied.
10) PP to ensure that, no nalla should be diverted. PP to submit the nalla remarks.
11) PP to submit the DP remarks.
12) PP to submit the sewerage network, water supply, storm water drain NOC from local planning authority.
13) PP to submit Contour and slope analysis super imposed with storm water drain, sewer line map in the project and 500 mtr around the project.
14) PP to submit & upload wind analysis, shadow analysis, traffic analysis, light and ventilation analysis and measures to reduce heat island effect.
15) PP to submit the compensatory plantation plan.
16) PP to ensure that maximum treated water should be recycled.
17) PP to submit project specific DMP.
18) PP to submit the detail biodiversity chapter in EIA considering the eco-sensitivity of the site.
19) PP to verify the distance of project site from Flamingo Sanctuary. PP to submit & upload the same.
20) PP to ensure that RG required is as per the norms and should be on Mother Earth. PP to submit CER as per MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project or Environment Department may direct PP to undertake CER work in identified area.
21) PP to also refer standard ToR published by MoEF vide order dated 10/04/15 in addition to above

FINAL RECOMMENDATION

The Committee decided to Grant ToR subject to the above observations,PP requested to prepare and submit EIA report as per EIA Notification, 2006 and amendments thereof.

SEAC-AGENDA-0000000266

Agenda of 99th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 99th **Meeting Date** May 15, 2019

Subject: Environment Clearance for for Slum Rehabilitation Scheme at Plot bearing CTS No.-A/791 (part) of village Bandra (West), Nargis Dutt Nagar, K.C Marg, Bandra (West) for "Bandra Reclamation SRA CHS (Ltd)" & other 2 SRA CHS by M/s Roshni Developers Pvt. Ltd.

Is a Violation Case: No

1.Name of Project	Prior Environment Clearance for Slum Rehabilitation Scheme at Plot bearing CTS No.-A/791 (part) of village Bandra (West), Nargis Dutt Nagar, K.C Marg, Bandra (West) for "Bandra Reclamation SRA CHS (Ltd)" & other 2 SRA CHS by M/s Roshni Developers Pvt. Ltd.
2.Type of institution	Private
3.Name of Project Proponent	M/s. Roshni Developers Pvt.Ltd.
4.Name of Consultant	M/s. Enviro Analysts & Engineers Pvt.Ltd.
5.Type of project	SRA Scheme
6.New project/expansion in existing project/modernization/diversification in existing project	New
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	It is a new Project
8.Location of the project	CTS No.-A/791 (part)
9.Taluka	Bandra (west)
10.Village	Bandra (west)
Correspondence Name:	Mr. Santosh Garud
Room Number:	Omkar House, Off eastern Express Highway, Opp. Sion-Chunnabhatti Signal, Sion (E), Mumbai -400 022.
Floor:	--
Building Name:	Omkar House
Road/Street Name:	Off Eastern express Highway , Opp. Sion-Chunnabhatti signal
Locality:	Sion (E)
City:	Mumbai
11.Area of the project	Municipal Corporation of Greater Mumbai
12.IOD/IOA/Concession/Plan Approval Number	LOI
	IOD/IOA/Concession/Plan Approval Number: SRA/ENG/386/HW/MHL/LOI dated 30th Jan 2019
	Approved Built-up Area: 79867.81
13.Note on the initiated work (If applicable)	N.A.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	SRA/ENG/386/HW/MHL/LOI dated 30th Jan 2019
15.Total Plot Area (sq. m.)	18016.61
16.Deductions	2001.94
17.Net Plot area	16014.67
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 133624.94
	b) Non FSI area (sq. m.): 131110.13
	c) Total BUA area (sq. m.): 264735.07
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 79867.81
	Approved Non FSI area (sq. m.): --
	Date of Approval: 30-01-2019
19.Total ground coverage (m2)	9213.72
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	57.53
21.Estimated cost of the project	11965000000

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22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Sale Buildings - 2 Nos	4Basements + Ground + amenity+ service floor+ 28 typical floor+ 1 terrace amenity floor	115 .00
2	Rehab building -(Wing A to C)	3Basement + Ground + 38 Upper Floors	117.80

23.Number of tenants and shops	Sale Buildings: Sale shops- 18 nos, Sale Units - 534 Nos. Rehab Buildings: Residential-1345 + R/C-7 + Comm-17 + Masjid-1 + Church-1 + Community Hall-1 + Existing Amenities-5 + Proposed Amenities -38
24.Number of expected residents / users	Sale:3134 Nos. Rehab:7749 Nos.
25.Tenant density per hectare	1068
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	27.45m wide DP Road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	As per requirement
29.Existing structure (s) if any	Slums
30.Details of the demolition with disposal (If applicable)	Demolition will be carried out as per debris NOC

31.Production Details

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

32.Total Water Requirement

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Dry season:	**Source of water**	MCGM
	Fresh water (CMD):	979
	Recycled water - Flushing (CMD):	496
	Recycled water - Gardening (CMD):	14
	Swimming pool make up (Cum):	35
	Total Water Requirement (CMD) :	1489
	Fire fighting - Underground water tank(CMD):	400
	Fire fighting - Overhead water tank(CMD):	75 KLD on each staircase
	Excess treated water	626
Wet season:	**Source of water**	MCGM & RWH
	Fresh water (CMD):	979
	Recycled water - Flushing (CMD):	496
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	35
	Total Water Requirement (CMD) :	1475
	Fire fighting - Underground water tank(CMD):	400
	Fire fighting - Overhead water tank(CMD):	75 KLD on each staircase
	Excess treated water	640
Details of Swimming pool (If any)	35 KLD for 6 SP	

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

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	To be provided during EIA study
	Size and no of RWH tank(s) and Quantity:	6 Nos of total 275 KLD capacity tanks
	Location of the RWH tank(s):	Below Ground
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	275 Lakhs
	Budgetary allocation (O & M cost) :	1.8 Lakhs
	Details of UGT tanks if any :	Sale Buildings:3 tanks of 50 cu.mts each. Rehab Buildings:3 tanks in each wing of total capacity 125 KLD.
35.Storm water drainage	**Natural water drainage pattern:**	To be provided during EIA study
	Quantity of storm water:	0.3 cum/sec
	Size of SWD:	750 mm dia
Sewage and Waste water	**Sewage generation in KLD:**	1332
	STP technology:	MBBR
	Capacity of STP (CMD):	2 Nos. of STP of 438 CUM and 900 CUM respectively.
	Location & area of the STP:	STP 1 (438 CUM) : Below Ground , STP 2 (900 CUM): 1ST TO 3RD Basement . (Areas To be provided during EIA study)
	Budgetary allocation (Capital cost):	146 Lakhs
	Budgetary allocation (O & M cost):	14.6 Lakhs
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	To be provided during EIA study
	Disposal of the construction waste debris:	To be provided during EIA study
Waste generation in the operation Phase:	**Dry waste:**	2666 kg/day
	Wet waste:	3029 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	13 kg/day
	Others if any:	NA

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Mode of Disposal of waste:	**Dry waste:**	Authorized Recycler
	Wet waste:	OWC
	Hazardous waste:	--
	Biomedical waste (If applicable):	--
	STP Sludge (Dry sludge):	To be used as manure
	Others if any:	NA
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	30 sq.m
	Area for machinery:	180 sq.m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	33 Lakhs
	O & M cost:	3.5 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

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43.Green Belt Development	**Total RG area :**	1250.24 sq.m
	No of trees to be cut :	As per tree NOC
	Number of trees to be planted :	63
	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	15	Medicinal tree
2	Michelia champaca	Son-chafa	15	Flowering/ornamental plant
3	Mangifera indica	Mango	15	Fruiting tree
4	Mimusops elengi	Bakul	18	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	--	--	--

47.Energy

Power requirement:	**Source of power supply :**	TATA / Adani
	During Construction Phase: (Demand Load)	200 kW
	DG set as Power back-up during construction phase	1 No. of 80 KVA
	During Operation phase (Connected load):	27,480 KW
	During Operation phase (Demand load):	11,740 KW
	Transformer:	11 Nos of 1000 KVA. and 3 Nos of 1500 KVA.
	DG set as Power back-up during operation phase:	2 Nos of 1600 KVA and 1 Nos of 750 KVA DG Set.
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Solar Panels ,LED , VFD Drives , High efficiency equipment's

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49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Overall Energy saving of project	To be provided during EIA study

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:**	300 Lakhs
	O & M cost:	30 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	Site Sanitation	Toilets for labour + drinking water + first aid arrangement	11.00
2	EHS	Health, safety & first aid facility	15.00
3	Environmental Monitoring Cell	Environmental Monitoring	1.00
4	Environmental Monitoring (Noise, Water & Soil-Project site (2 times a year)	Environmental Monitoring (Noise, Water & Soil-Project site (4 times a year)	2.0

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	275	1.8
2	Water Environment	STP	146	14.6
3	Renewable Energy	Solar Energy	300	30
4	Solid Waste Management	OWC	8	1
5	Land Environment	Landscaping	Will be provided during EIA	Will be provided during EIA

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

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No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	2 Roads abutting the plot
Parking details:	**Number and area of basement:**	Sale Buildings :4 Nos of basement with 8770 sq.mts area each ,Rehab Buildings: 3 Nos of basment with 9974.85 sq.mts total area
	Number and area of podia:	N.A.
	Total Parking area:	45051
	Area per car:	To be provided during EIA study
	Area per car:	To be provided during EIA study
	Number of 2-Wheelers as approved by competent authority:	Nil
	Number of 4-Wheelers as approved by competent authority:	1569
	Public Transport:	NA
	Width of all Internal roads (m):	Sale Buildings: 9 m , Rehab Buildings:6 m
	CRZ/ RRZ clearance obtain, if any:	ince the construction activity is proposed only on plot not affected by CRZ hence CRZ NOC is not required on the basis of circular issued by MCZMA u/no. MCZMA-2016/CR-22/T.C.-4 dated 14th December 2018.
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	To be provided during EIA Study
	Category as per schedule of EIA Notification sheet	Schedule 8(b) Category B
	Court cases pending if any	Nil
	Other Relevant Informations	The details provided are as per the full potential of the project anticipating future expansion
	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

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Representative of PP was present during the meeting along with environmental consultant M/s. Enviro Analysts & Engineers Pvt.Ltd.

PP informed that, the project under consideration is *proposed New SRA Scheme Project. PP further stated that, t*he total plot area of the project is 18016.61 Sq.mt.having total construction area 264735.07 Sq.mt.(FSI - 133624.94 sq.mt +NON FSI- Total – 131110.13 sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Sale Buildings - 2 Nos	4Basements + Ground + amenity+ service floor+ 28 typical floor+ 1 terrace amenity floor	115 .00
Rehab building – (Wing A to C)	3Basement + Ground + 38 Upper Floors	117.80

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

DECISION OF SEAC

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After discussion, Committee approved the ToR with following observations & additions, which is valid upto 15/5/2022. EIA will be apprised as & when submitted. Meanwhile PP should comply following points.

Specific Conditions by SEAC:

1) PP to upload acknowledgement regarding plan submitted to local planning authority.
2) PP to submit the undertaking regarding 156.90 Sq.mt plot area which is affected by CRZ II, the FSI of the same is not considered under the proposal.
3) PP to submit HRC NoC.
4) PP to submit the CFO NoC.
5) PP to submit the sewerage network, water supply, storm water drain NOC from local planning authority.
6) PP to submit the detail biodiversity chapter in EIA considering the eco-sensitivity of the site.
7) PP to submit the plan to reduce Noise pollution.
8) PP to submit the DP remarks.
9) PP to ensure ECBC norms are complied.
10) PP to submit Geotechnical, geohydrological reports along with subsoil water flow pattern, its impact on subsoil strata.
11) PP to submit the impact of effluent on local fishing activity.
12) PP to submit Contour and slope analysis super imposed with storm water drain, sewer line map in the project and 500 mtr around the project.
13) PP to submit & upload wind analysis, shadow analysis, traffic analysis, light and ventilation analysis and measures to reduce heat island effect.
14) PP to ensure that maximum treated water should be recycled.
15) PP to submit demolition & debris disposal /waste management plan.
16) PP to submit project specific DMP.
17) PP to submit the detail biodiversity chapter in EIA considering the eco-sensitivity of the site.
18) PP to ensure that RG required is as per the norms and should be on Mother Earth.
19) PP to submit & upload the design & cross section of STPs indicating minimum 40% area open to sky for adequate ventilation.
20) PP to verify the distance of project site from Flamingo Sanctuary. PP to submit & upload the same.
21) PP to ensure that activities proposed in the CER should be as per findings of socio-economic report. As agreed by PP, PP will be establishing Marine tourism entrepreneurship training projects for communities and establish joint environmental conservation & environmental education projects with local fishing villages & communities as part of CER activities and as additional initiatives.
22) PP to submit CER as per MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project or Environment Department may direct PP to undertake CER work in identified area.
23) PP to also refer standard ToR published by MoEF vide order dated 10/04/15 in addition to above

FINAL RECOMMENDATION

The Committee decided to Grant ToR subject to the above observations,PP requested to prepare and submit EIA report as per EIA Notification, 2006 and amendments thereof.

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Agenda of 99th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 99th **Meeting Date** May 15, 2019

Subject: Environment Clearance for Environment Clearance for Proposed SRA :Ganesh Nagar SRA CHS, Shivsagar SRA CHS, Janpriya SRA CHS, Bahar SRA CHS, Adarsh SRA CHS, Sahara CHS on land bearing CTS nos. 471A (Pt.) of village Kandivali in R/S ward of MCGM

Is a Violation Case: No

1.Name of Project	Ruparel Optima- Proposed SRA Scheme on land bearing CTS nos. 471A (Pt.) of village Kandivali, Taluka Borivali, Mumbai
2.Type of institution	Private
3.Name of Project Proponent	M/s. Shree Siddhivinayak Infrastructure and Realty
4.Name of Consultant	Aditya Environmental Services Pvt. Ltd.
5.Type of project	SRA Scheme
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	Proposed SRA: Ganesh Nagar SRA CHS, Shivsagar SRA CHS, Janpriya SRA CHS, Bahar SRA CHS, Adarsh SRA CHS, Sahara CHS on land bearing CTS nos. 471A (Pt.) of village Kandivali in R/S ward of MCGM
9.Taluka	Borivali
10.Village	Kandivali
Correspondence Name:	Mr. Amit Ruparel
Room Number:	0
Floor:	12th
Building Name:	Ruparel Iris
Road/Street Name:	Senapati Bapat Marg
Locality:	Matunga West Station
City:	Mumbai
11.Area of the project	Municipal Corporation of Greater Mumbai
12.IOD/IOA/Concession/Plan Approval Number	IOD/IOA/Concession/Plan Approval Number: SRA/ENG/1499/RS/STGL/LOI
	IOD/IOA/Concession/Plan Approval Number: IOD/IOA/Concession/Plan Approval Number: SRA/ENG/1499/RS/STGL/LOI
	Approved Built-up Area: 120816.63
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	SRA/ENG/1499/RS/STGL/LOI
15.Total Plot Area (sq. m.)	24,566.34 Sq.m
16.Deductions	3375.03 Sq.m
17.Net Plot area	21,191.31 sq.m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 95721.7 sq.m
	b) Non FSI area (sq. m.): 69199.56 sq.m
	c) Total BUA area (sq. m.): 164921.26
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 76,291.31
	Approved Non FSI area (sq. m.): 44,525.32
	Date of Approval: 28-09-2017
19.Total ground coverage (m2)	6352.27
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	29.9 %
21.Estimated cost of the project	7961800000

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22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Rehab building no. 1	Ground + 18 (pt) UF	55.35
2	Rehab building no. 2	Ground + 23 UF	69.60
3	Rehab building no. 3	Ground + 23 UF	69.60
4	Rehab building no. 4	Ground + 23 UF	69.60
5	Rehab building no. 5	Ground + 23 UF	69.60
6	Sale building no. 1	Ground + 2 (Commercial) + 3rd to 40th UF (Residential)	135.0
7	Sale building no. 2	Ground + 1st to 42nd UF	129.75
8	Sale building no. 3	Basement + Ground + 1 (commercial) + 2nd to 41st UF (residential)	132.0

23.Number of tenants and shops	Flats: 2759 nos., Shops: 232 nos.
24.Number of expected residents / users	11724
25.Tenant density per hectare	650
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	13.40 M wide DP road & 27.45 M Link Road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	7.5 m - 9 m
29.Existing structure (s) if any	910 slums
30.Details of the demolition with disposal (If applicable)	Will be done as per concerned authority norms

31.Production Details

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

32.Total Water Requirement

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Dry season:	**Source of water**	MCGM + STP Recycled water
	Fresh water (CMD):	1002
	Recycled water - Flushing (CMD):	516
	Recycled water - Gardening (CMD):	9
	Swimming pool make up (Cum):	2
	Total Water Requirement (CMD) :	1529
	Fire fighting - Underground water tank(CMD):	Rehab Bldg 1 = 150 cum, Rehab Bldg 2, 3, 4, 5 : 250 cum, Sale 1 = 200 cum for each
	Fire fighting - Overhead water tank(CMD):	Rehab : 20 cum for each wing Sale : 30 cum for each wing
	Excess treated water	Rehab - 344 cum/day & Sale – 407 cum/day
Wet season:	**Source of water**	MCGM + STP Recycled water
	Fresh water (CMD):	1002
	Recycled water - Flushing (CMD):	516
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	1518
	Fire fighting - Underground water tank(CMD):	Rehab Bldg 1 = 150 cum, Rehab Bldg 2, 3, 4, 5 : 250 cum, Sale 1 = 200 cum for each
	Fire fighting - Overhead water tank(CMD):	Rehab : 20 cum for each wing Sale : 30 cum for each wing
	Excess treated water	Rehab - 344 cum/day & Sale – 415 cum/day
Details of Swimming pool (If any)	Size: 60 sq. m : 15m x 4 m Depth - 1.8m	

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

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Between 3.0 to 3.5 m below ground
	Size and no of RWH tank(s) and Quantity:	Rehab: 12 cum for each bldg Sale: 20 cum for each bldg
	Location of the RWH tank(s):	Rehab Bldg : Ground, Sale Bldg : Ground
	Quantity of recharge pits:	0
	Size of recharge pits :	0
	Budgetary allocation (Capital cost) :	Sale : 12 lakh Rehab : 5 lakh
	Budgetary allocation (O & M cost) :	Sale : 02 lakh Rehab : 0.5 lakh
	Details of UGT tanks if any :	Building Domestic (cum) Flushing (cum) Rehab 1 75 38 Rehab 2 & 3 197 100 Rehab 4 & 5 226 115 Sale 1 207 104 Sale 2 177 89 Sale 3 179 90
35.Storm water drainage	**Natural water drainage pattern:**	Storm water drain is laid at a slope of 1: 300 to the municipal outfall outside the plot. Rain water from site shall be collected by network of storm water piping system through catch basins and storm channel & then allowed to connect to the public storm water line outside the plot boundary.
	Quantity of storm water:	0.13cm/sec R:0.065
	Size of SWD:	600 mm wide and 450mm deep drain channel
Sewage and Waste water	**Sewage generation in KLD:**	Rehab Bld. : 641 KLD Sale Bld. : 767 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	Rehab Bldg : 650 KLD Sale Bldg : 775 KLD
	Location & area of the STP:	Rehab Bldg : Ground, Sale Bldg : Ground
	Budgetary allocation (Capital cost):	Sale : 120 lakh Rehab : 97 lakh
	Budgetary allocation (O & M cost):	Sale : 25 lakh Rehab : 20 lakh

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Excavation quantity: 3,095.366 cu.m Demolition debris: 16,482.8 cu. ft
	Disposal of the construction waste debris:	Debris generated during construction phase will be collected at one place and will be disposed off to MCGM approved land-filling sites.
Waste generation in the operation Phase:	**Dry waste:**	Rehab Bldg : 1094 Kg/day Sale Bldg : 1234 Kg/day
	Wet waste:	Rehab Bldg : 1507 Kg/day Sale Bldg : 1821 Kg/day
	Hazardous waste:	0
	Biomedical waste (If applicable):	0
	STP Sludge (Dry sludge):	Sale : 12 kg Rehab : 10 kg
	Others if any:	NA

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Mode of Disposal of waste:	**Dry waste:**	Dry waste would be further segregated into recyclable and non-recyclable. Recyclable will be handed over to authorize vendors and non-recyclable will be disposed off at MCGM land fill sites
	Wet waste:	Wet Garbage will be treated in Mechanical Composting Unit. Organic Waste Convertor (OWC) and the compost generated would be used as manure for gardening purpose and excess would be sold to authorized vendors.
	Hazardous waste:	NIL
	Biomedical waste (If applicable):	NIL
	STP Sludge (Dry sludge):	Dry sludge would be used as manure for gardening purpose and excess would be sold to authorize vendors.
	Others if any:	NA
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	Sale : 20sqm Rehab : 30 sqm
	Area for machinery:	Sale : 15sqm Rehab : 20sqm
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Sale : 10 lakh Rehab : 15 lakh
	O & M cost:	Sale : 04 lakh Rehab : 05 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

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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 :**	1722.97 sq.m
	No of trees to be cut :	5
	Number of trees to be planted :	10
	List of proposed native trees :	list of proposed native trees is given in below table 45.
	Timeline for completion of plantation :	4 years after completion of the project

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Cocos nucifera	Coconut	3	Fruit bearing evergreen tree
2	Emblica officinalis	Awla	7	fruits used for preventative and therapeutic purposes
3	Phoenix dactylifera	Khajur	5	flowering plant species
4	Plumeria	Chafa	8	Flower bearing deciduous tree
5	Bauhinia purpurea	Kanchan	4	medium-sized deciduous fast-growing
6	Butea monosperma	Palas	6	medium-sized dry-season deciduous tree
7	Azadiractha indica	Neem	10	Flower bearing deciduous tree
8	Cassia fistula	Bahavn	11	Flower bearing deciduous tree
9	Mesua ferrea	Nagkesur	8	widely cultivated as an ornamental due to its graceful shape, grayish-green foliage
10	Michelia champaca	Champaka	7	large evergreen tree
11	Lagestroemia speciosa	Taman	9	Medium-sized tree, with smooth, flaky bark. leaves are deciduous
12	Ficus glomerata	Umber	2	Evergreen and deciduous tree
13	Ficus bengalensis	Wad	1	Fruit bearing evergreen tree
14	Ficus religiosa	Pimpal	1	Dust Resistant and Local Variety
15	Terminalia crenulata	Ain	4	deciduous 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	0	0

47.Energy

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Power requirement:	**Source of power supply :**	TATA
	During Construction Phase: (Demand Load)	Sale : 500KW Rehab : 500KW
	DG set as Power back-up during construction phase	Sale : 180Kva Rehab : 180 Kva
	During Operation phase (Connected load):	Sale : 14.4MVA Rehab : 5.6 MVA
	During Operation phase (Demand load):	Sale : 5.9 MVA Rehab : 3.2 MVA
	Transformer:	Sale : 1500 x 6nos. Rehab : 1500 x 3nos.
	DG set as Power back-up during operation phase:	Sale : 750Kva x 1no Rehab : 180Kva x 1no, 250Kva x 2nos
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	33Kva

48.Energy saving by non-conventional method:

LED lighting, VFD, Solar lighting, Energy efficient pumps

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	LED lighting, VFD, Solar lighting, Energy efficient pumps	Sale: 19% Rehab: 32 %

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:**	Sale : 94 lakhs Rehab : 88 lakhs
	O & M cost:	Sale : 9 lakhs Rehab : 8 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	Excavation & Debris management	NIL	12
2	Provision of sanitation facilities for labours	Provision of clean toilets, potable drinking water, Arrangements for first aid	7
3	Provision of health and safety facilities for labours	Medical tests, training in safety	0

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4	Monitoring of environmental parameters	Monitoring of air, noise and water quality	2.50

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Rain water harvesting	Rehab Bldg : 12 cum, 12 cum, 12 cum, 12 cum, 12 cum, Sale Bldg : 20 cum, 20 cum, 20 cum	Sale: 12 lakh Rehab: 5 lakh	Sale: 2 lakh Rehab: 0.5 lakh
2	Sewage treatment Plant	Rehab Bldg : 650 KLD Sale Bldg : 775 KLD	Sale: 120 lakh Rehab: 97 lakh	Sale: 25 lakh Rehab: 20 lakh
3	Solid waste management	Rehab Bldg : 1774 Kg/day Sale Bldg : 1815 Kg/day	Sale: 10 lakh Rehab: 15 lakh	Sale: 04 lakh Rehab: 05 lakh
4	Energy saving	LED lighting, VFD, Solar lighting, Energy efficient pumps	Sale: 94 lakh Rehab: 88 lakh	Sale: 9 lakh Rehab: 8 lakh
5	Landscaping	Tress will be planted	4.7	0.94
6	Firefighting measures	firefighting measures will be taken as per NBC	Sale: 70 lakhs Rehab: 60 lakhs	Sale: 5 lakhs Rehab: 2 lakhs
7	Sale: 5 lakhs Rehab: 2 lakhs	NA	0	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

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Parking details:	**Number and area of basement:**	1 Basement in Sale building 3 for services Area: 814.57 sq.m
	Number and area of podia:	0
	Total Parking area:	571.21
	Area per car:	As per norms
	Area per car:	As per norms
	Number of 2-Wheelers as approved by competent authority:	0
	Number of 4-Wheelers as approved by competent authority:	652
	Public Transport:	NIL
	Width of all Internal roads (m):	6M
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	0
	Category as per schedule of EIA Notification sheet	8 (b) Category B
	Court cases pending if any	NIL
	Other Relevant Informations	NIL
	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

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Representative of PP Mr. Parikshit Sharma was present during the meeting along with environmental consultant M/s. Aditya Environmental Services Pvt. Ltd.

PP informed that, the project under consideration is *proposed SRA Scheme project. PP further stated that, t*he total plot area of the project is 24,566.34 Sq.mt. having total construction area 164921.26Sq.mt. (FSI - 95721.7 Sq.mt. + NON FSI- 69199.56 Sq.mt.) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Rehab building no. 1	Ground + 18 (pt) UF	55.35
Rehab building no. 2	Ground + 23 UF	69.60
Rehab building no. 3	Ground + 23 UF	69.60
Rehab building no. 4	Ground + 23 UF	69.60
Rehab building no. 5	Ground + 23 UF	69.60
Sale building no. 1	Ground + 2 (Commercial) + 3rd to 40th UF (Residential)	135.0
Sale building no. 2	Ground + 1st to 42nd UF	129.75
Sale building no. 3	Basement + Ground + 1 (commercial) + 2nd to 41st UF (residential)	132.0

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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 discussion, Committee approved the ToR with following observations & additions, which is valid upto 15/5/2022. EIA will be apprised as & when submitted. Meanwhile PP should comply following points.

Specific Conditions by SEAC:

1) PP to upload acknowledgement regarding plan submitted to local planning authority.
2) PP to submit the plan to reduce Noise pollution.
3) PP to submit HRC NoC.
4) PP to submit the CFO NoC.
5) PP to ensure ECBC norms are complied.
6) PP to ensure that, no nalla should be diverted. PP to submit the nalla remarks.
7) PP to submit the DP remarks.
8) PP to submit the sewerage network, water supply, storm water drain NOC from local planning authority.
9) PP to submit Contour and slope analysis super imposed with storm water drain, sewer line map in the project and 500 mtr around the project.
10) PP to submit & upload wind analysis, shadow analysis, traffic analysis, light and ventilation analysis and measures to reduce heat island effect.
11) PP to submit the compensatory plantation plan.
12) PP to ensure that maximum treated water should be recycled.
13) PP to submit project specific DMP.
14) PP to submit the detail biodiversity chapter in EIA considering the eco-sensitivity of the site.
15) PP to verify the distance of project site from Flamingo Sanctuary. PP to submit & upload the same.
16) PP to ensure that RG required is as per the norms and should be on Mother Earth. PP shall operate and maintain Environmental Management Facilities (EMF) including STP & fire- fighting system for 10 years after giving possession and shall also generate corpus fund for next 5 years.
17) PP to submit CER as per MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project or Environment Department may direct PP to undertake CER work in identified area.
18) PP to also refer standard ToR published by MoEF vide order dated 10/04/15 in addition to above

FINAL RECOMMENDATION

The Committee decided to Grant ToR subject to the above observations,PP requested to prepare and submit EIA report as per EIA Notification, 2006 and amendments thereof.

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