Agenda for 89th SEAC-2 meeting scheduled on 20th February, 2019

SEAC Meeting number: 89 **Meeting Date** February 20, 2019

Subject: Environment Clearance for New Super speciality hospital Building in Dr. D.Y. Patil Hospital Complex located on plot no. 2, Sector 5, Nerul, Navi Mumbai by M/s. Continental Medicare Foundation.

Is a Violation Case: No

1.Name of Project	New Super speciality hospital Building in Dr. D.Y. Patil Hospital Complex
2.Type of institution	Private
3.Name of Project Proponent	M/s. Continental Medicare Foundation.
4.Name of Consultant	Building Environment India Pvt.Ltd.
5.Type of project	Buildings and Constructions
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	D Y Patil Hospital Complex, Plot No – 2, Sector – 5, Nerul, Navi Mumbai
9.Taluka	Thane
10.Village	Nerul Node
Correspondence Name:	Dr Anupam Karmarkar
Room Number:	Administration Department
Floor:	3rd floor
Building Name:	D.Y. Patil Hospital
Road/Street Name:	na
Locality:	Nerul
City:	Navi Mumbai
11.Area of the project	Navi Mumbai
12.IOD/IOA/Concession/Plan Approval Number	Concession Layout approved by Navi Mumbai Municipal Corporation
	IOD/IOA/Concession/Plan Approval Number: LOI dated 20.06.2018, Vide Letter NMMC/ TPO/ ADTP/2495/2018
	Approved Built-up Area: 92500
13.Note on the initiated work (If applicable)	Dr. D.Y. Patil Hospital and Research Centre was founded in 2004 over an area of 60000 sq.mt. The hospital has 1500 beds, 100 bed ICU, 15 bed operation theatre, 24x7 charitable casualty and trauma centre. The project had received clearance in 2004 for an area of 20000 sq. m. It got an additional clearance for another 8000 sq.m in 2017. The organisation now plans an expansion in its complex by construction of new super speciality hospital building for which it has received approval from the local authorities. However the total construction area is now going beyond 20000 sq.m and hence the project requires a prior environmental clearance.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	LOI dated 20.06.2018, Vide Letter NMMC/ TPO/ ADTP/2495/2018
15.Total Plot Area (sq. m.)	60000
16.Deductions	--
17.Net Plot area	60000
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 60000*1.541=92500 Total (Existing + Proposed) = (43820.176+44436.400) =88256.0176
	b) Non FSI area (sq. m.): Total (Existing + Proposed) = (3928.01 + 22937.027) = 26865.041
	c) Total BUA area (sq. m.): 67373.427
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 92500 ; Proposed Building : 44436.400 (Existing Hospital Building : 20149+8282.053 = 28431.053 sq. m, Medical College: 15388.012,)
	Approved Non FSI area (sq. m.): 26865.041 Proposed Building :22937.026 (Existing Hospital Building : 3928.01)
	Date of Approval: 20-06-2018
19.Total ground coverage (m2)	6933.323

20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	11.56
21.Estimated cost of the project	202000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building No 1	2 basement; Ground+ 9 floors	45
2	9Building No 1	2 basement; Ground+ 9 floors	45

23.Number of tenants and shops	none
24.Number of expected residents / users	4989
25.Tenant density per hectare	NA
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	9 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	6-9m
29.Existing structure (s) if any	1 hospital building which has received C.C in 2004 for an area of 20000 sq.m which further received a C.C in 2017 for an area of 8000 sq.m and 15000 sq.m for medical college area had received clearance prior to 2004
30.Details of the demolition with disposal (If applicable)	N.A

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**	NMMC/ STP/ WATER TANKER
	Fresh water (CMD):	240
	Recycled water - Flushing (CMD):	152.4
	Recycled water - Gardening (CMD):	1.6
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	396
	Fire fighting - Underground water tank(CMD):	6.1L/Min/sqm or 37L/Min/m length of water curtain
	Fire fighting - Overhead water tank(CMD):	4.1L/Min/sqm
	Excess treated water	191
Wet season:	**Source of water**	NMMC/RWH/STP
	Fresh water (CMD):	240
	Recycled water - Flushing (CMD):	152.4
	Recycled water - Gardening (CMD):	1.6
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	396
	Fire fighting - Underground water tank(CMD):	6.1L/Min/sqm or 37L/Min/m length of water curtain
	Fire fighting - Overhead water tank(CMD):	4.1L/Min/sqm
	Excess treated water	208
Details of Swimming pool (If any)	na	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Fresh water requirement	Not applicable	394	394	00	00	00	Not applicable	Not applicable	Not applicable
Domestic	Not applicable	242	242	00	00	00	Not applicable	Not applicable	Not applicable
Gardening	Not applicable	1.6	1.6	00	00	00	Not applicable	Not applicable	Not applicable

Cooling tower & thermopack	Not applicable	176	176	00	00	00	Not applicable	Not applicable	Not applicable

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	1.50 - 2 m BGL
	Size and no of RWH tank(s) and Quantity:	1 days of storage capacity
	Location of the RWH tank(s):	Underground (Lowest Basement Level)
	Quantity of recharge pits:	NA
	Size of recharge pits :	30 m^3/day – capacity of each recharge pit
	Budgetary allocation (Capital cost) :	10 lacs
	Budgetary allocation (O & M cost) :	1 lac
	Details of UGT tanks if any :	adequate capacity tanks will be provided
35.Storm water drainage	**Natural water drainage pattern:**	NA
	Quantity of storm water:	686.85 M^3/hr
	Size of SWD:	450 mm Wide Channel drain
Sewage and Waste water	**Sewage generation in KLD:**	347
	STP technology:	MBBR
	Capacity of STP (CMD):	01. 350 KLD capacity
	Location & area of the STP:	Underground Basement Level
	Budgetary allocation (Capital cost):	37lacs
	Budgetary allocation (O & M cost):	4 lacs

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Debris & excavated material generated shall be disposed by covered trucks to the authorized sites with permission from NMMC
	Disposal of the construction waste debris:	Debris & excavated material generated shall be disposed by covered trucks to the authorized sites with permission from NMMC
Waste generation in the operation Phase:	**Dry waste:**	540 kg/day
	Wet waste:	707 kg/day
	Hazardous waste:	2000 kg/ year
	Biomedical waste (If applicable):	176.7 Kg/Bed/Day = 477 tonne/ per month
	STP Sludge (Dry sludge):	87.5 Kg/day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Handed over to NMMC
	Wet waste:	Composting through OWC & used at site/as manure
	Hazardous waste:	Will handed over to authorized dealer
	Biomedical waste (If applicable):	Will handed over to Mumbai Waste Management Limited
	STP Sludge (Dry sludge):	Will be used for landscape and gardening purposes
	Others if any:	NA
Area requirement:	**Location(s):**	NA
	Area for the storage of waste & other material:	NA
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	NA
	O & M cost:	NA

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	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	Human Anatomical Waste	Yellow	NA	nil	77 tonne/month	77 tonne/month	Incineration / Pyrolysis
2	Soiled waste	Yellow	NA	nil	130 tonne/month	130 tonne/month	Incineration/ Plasma Pyrolysis
3	Expired Discarded Medicines	Yellow	NA	nil	55 tonne/month	55 tonne/month	Either sent back to manufacturer / Incineration
4	Microbiological/ Biotechnological and other chemical lab wastes	Yellow	NA	nil	34 tonne/month	34 tonne/month	Autoclaving
5	Contaminated waste	Red	NA	nil	153 tonne/month	153 tonne/month	Autoclaving
6	Waste Sharps	White	NA	nil	28 tonne/month	28 tonne/month	Autoclaving/ dry heat sterilization followed by mutilation or shredding

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 :**	Not applicable as per NMMC
	No of trees to be cut :	--
	Number of trees to be planted :	--
	List of proposed native trees :	--
	Timeline for completion of plantation :	--

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	NA	NA	NA	NA
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	2500 units
	DG set as Power back-up during construction phase	5000 units
	During Operation phase (Connected load):	Primary 11kV distribution electrical plant by the local electricity supply company will be provided in the plot boundary complete with an 11kV electrical intake. 2No electrical 11kV/400V substations will be provided to the building comprising HV switchgear panel and step down transformers. The step down transformer will provide power supply to the building at 415V, 3phase, 50HZ, AC supply.
	During Operation phase (Demand load):	Primary 11kV distribution electrical plant by the local electricity supply company will be provided in the plot boundary complete with an 11kV electrical intake. 2No electrical 11kV/400V substations will be provided to the building comprising HV switchgear panel and step down transformers. The step down transformer will provide power supply to the building at 415V, 3phase, 50HZ, AC supply.
	Transformer:	Primary 11kV distribution electrical plant by the local electricity supply company will be provided in the plot boundary complete with an 11kV electrical intake. 2No electrical 11kV/400V substations will be provided to the building comprising HV switchgear panel and step down transformers. The step down transformer will provide power supply to the building at 415V, 3phase, 50HZ, AC supply.
	DG set as Power back-up during operation phase:	6 DG sets of capacity 1 MVA each
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Power Capacitors are proposed for Common services load power factor correction and to maintain a healthy power situation. This also results in less demand for the project.
The common area lighting are proposed to work on high energy efficient lamps LED type.
Street lighting is proposed with energy efficient LED fittings.
Lifts are proposed with regenerative drives.
No saving considered for internal load of flats/shops since selection of the ac and light fittings is in the user's scope.
Solar water heaters are provided for 50% flats in the buildings.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	NA	NA

50.Details of pollution control Systems

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

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air	Erosion Control and Dust Palliation Measure	0.8
2	Land	Site Sanitation	0.25
3	land	Site Safety	0.7
4	Air, water, soil and Bio	Environmental Monitoring	0.25

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage treatment Plant	I STP	60	20
2	Ground water Recharge pit	adequate nos	10	3
3	Organic waste converter	adequate nos	19	5

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	02

Parking details:	**Number and area of basement:**	2 basements basement 1: 6933.323 sq mt basement 2 6818.404 sq mt
	Number and area of podia:	N. A
	Total Parking area:	755 sq.m
	Area per car:	11.25 sq m
	Area per car:	11.25 sq m
	Number of 2-Wheelers as approved by competent authority:	56
	Number of 4-Wheelers as approved by competent authority:	559
	Public Transport:	NA
	Width of all Internal roads (m):	6-9M
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8B
	Court cases pending if any	NONE
	Other Relevant Informations	--
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

PP Mr. Shirish Patil, vice chancellor & Architect Mr. Shekhar Bagul were present during the meeting along with environmental consultant M/S Building Environment India Pvt. Ltd.

PP informed that, the project previously considered in 85th SEAC-2 meeting held on 19/01/2019 & was deferred to revise the proposal which also include the existing hospital structures.

PP informed that, the total plot area of the project is 60000Sq. mt. having total construction area 67373.427Sq. mt. (FSI - 60000*1.541=92500 Total (Existing + Proposed) =(43820.176+44436.400) =88256.0176Sq. mt.+ NON FSI- Total (Existing + Proposed) = (3928.01 + 22937.027) = 26865.041Sq.mt.) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Building No 1	2 basement; Ground+ 9 floors	45
9Building No 1	2 basement; Ground+ 9 floors	45

PP stated that, Total Permissible FSI Area (As per 1.541 for entire plot) is 92500 Sq. mt.

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

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) PP to submit Architect certificate regarding construction done on site prior to EIA Notification, 2006;as per EC received from local planning authority i.e annexure 14 along with copy of EC & plan submitted to for the same.
2) PP to submit the detail plan regarding disposal of hazardous waste.
3) PP to submit the detail plan regarding disposal of biomedical waste.
4) PP to submit Atomic Energy Regulatory Board (AERB) NoC.
5) PP to submit the detail design & calculation for the ETP.
6) PP to submit the Indoor air quality, Indoor light quality analysis & Ventilation analysis report
7) PP to submit the radioactive waste disposal plan.
8) PP to carry out ECBC energy calculation studies.
9) PP to submit the detail plan for vehicular movement.
10) PP to submit detail fire tender movement plan.
11) PP to provide 40% STP tanks area open to sky for adequate ventilation.
12) PP to submit the site specific disaster management plan.

FINAL RECOMMENDATION

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

Agenda for 89th SEAC-2 meeting scheduled on 20th February, 2019

SEAC Meeting number: 89 **Meeting Date** February 20, 2019

Subject: Environment Clearance for proposed Slum Rehabilitation Scheme on land bearing Part of CTS. No. 1110 of Village Kandivali, situated at Powels land, Tulaskarwadi, M. G. Cross Road No. 1, Kandivli (West), Mumbai Suburban District for "Shivshakti Nagar Co-operative Housing Society Ltd." By M/s Bambay Slum Development Corporation

Is a Violation Case: No

1.Name of Project	M/s. Bombay Slum Redevelopment Corporation Limited.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Priyank K Hemani, M/s Bombay Slum Redevelopment Corporation Limited.
4.Name of Consultant	Dr. D. A. Patil, Mahabal Enviro Engg. Pvt. Ltd.
5.Type of project	SRA Scheme Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No
8.Location of the project	CTS No. 1110 (pt) of village Kandivali, situated at Powels land, Tulaskarwadi, M. G. Cross Road No. 1, Kandivali (West), Mumbai
9.Taluka	Borivali
10.Village	Kandivali
Correspondence Name:	Mr. Priyank K Hemani
Room Number:	605
Floor:	6th floor
Building Name:	Trade Center
Road/Street Name:	-
Locality:	Opp. MTNL Tel. Exchange, BKC, Bandra- East
City:	Mumbai
11.Area of the project	Municipal Corporation of Greater Mumbai (MCGM)
12.IOD/IOA/Concession/Plan Approval Number	Revised LOI from SRA under No. SRA/ENG/107/RS/ML/LOI dated 06/04/2017
	IOD/IOA/Concession/Plan Approval Number: Revised LOI from SRA under No. SRA/ENG/107/RS/ML/LOI dated 06/04/2017
	Approved Built-up Area: 239312.35
13.Note on the initiated work (If applicable)	we have stared work on site as per the approval dt 06.04.2017, As on today we have constructed 18,385.97 m2 area
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Revised LOI from SRA under No. SRA/ENG/107/RS/ML/LOI dated 06/04/2017
15.Total Plot Area (sq. m.)	30,100.30 m2
16.Deductions	11,143.04 m2
17.Net Plot area	18,957.26 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 1,34,811.12 m2
	b) Non FSI area (sq. m.): 1,38,143.48 m2
	c) Total BUA area (sq. m.): 272954.6
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 1,13,057.30 m2
	Approved Non FSI area (sq. m.): 1,26,255.05 m2
	Date of Approval: 06-04-2018
19.Total ground coverage (m2)	10,682.58 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	56%
21.Estimated cost of the project	6040000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Comp. Bldg No. 1	Ground + 7 Upper floors	23.80
2	Comp. Bldgs no. 2 (Wing A_ Rehab)	Ground + 7 Upper floors	23.80
3	Comp. Bldgs no. 2 (Wing B_ Sale)	Ground + 7 Upper floors	23.80
4	Comp. Bldgs no. 3 (Wing- A & B _Rehab)	Ground + 21 Upper floors	64.40
5	Comp. Bldgs no. 3 (Wing- C & D Rehab)	Ground + 23 Upper floors	69.90
6	Comp. Bldgs no. 3 (Wing- E & F Rehab)	Ground + 23 Upper floors	69.90
7	Comp. Bldgs no. 3 (Wing- G Sale)	Ground + 23 Upper floors	69.90
8	Comp. Bldgs no. 3 (Wing- H Sale)	Ground + 23 Upper floors	69.90
9	Comp. Bldgs no. 3 (Wing- I Rehab)	Ground + 23 Upper floors	69.90
10	Sale Building No.4 (Tower A)	B+G+9P+ Amenity +38 Floor	153.35
11	Sale Building No.4 (Tower B)	B+G+9P+ Amenity +38 Floor	153.35
12	Sale Building No.4 (Tower C)	B+G+9P+ Amenity +38 Floor	153.35
13	Sale Building No.4 (Tower D)	B+G+9P+ Amenity +38 Floor	153.35
14	Sale Building No.4 (Tower E)	B+G+9P+ Amenity +38 Floor	153.35
15	Rehab Building No. 5 (Wing- A & B Rehab)	Ground + 23 Upper floors	69.90

23.Number of tenants and shops	Comp. Bldg. No. 1 Flats: 78 Nos. Shops: 07 Nos. Comp. Bldg. No. 2 Flats: 114 Nos. Shops: 09 Nos. Comp. Bldg. No. 3 Flats: 1,395 Nos. Amenity area: 625.30 m2 Shops: 37 Nos. Sale. Bldg. No. 4 Flats: 1,301 Nos. Amenity area: 1,200 m2 Shops: 19 Nos. Rehab Bldg. No. 5 Flats: 289 Nos. Amenity area: 147.0 m2 Shops: 02 Nos.
24.Number of expected residents / users	16,304 Nos.
25.Tenant density per hectare	1060 /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)	18.30 m & 13.40 m wide D.P Road.
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	Existing slums
30.Details of the demolition with disposal (If applicable)	Existing slums will be demolished

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	MCGM
	Fresh water (CMD):	1,440 KLD
	Recycled water - Flushing (CMD):	723 KLD
	Recycled water - Gardening (CMD):	12 KLD
	Swimming pool make up (Cum):	7 KLD
	Total Water Requirement (CMD) :	2,170 KLD
	Fire fighting - Underground water tank(CMD):	As per the CFO NOC
	Fire fighting - Overhead water tank(CMD):	As per the CFO NOC
	Excess treated water	1,264 KLD

Wet season:	**Source of water**	MCGM + RWH
	Fresh water (CMD):	1,258 + 182 KLD
	Recycled water - Flushing (CMD):	723 KLD
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	7 KLD
	Total Water Requirement (CMD) :	2,170 KLD
	Fire fighting - Underground water tank(CMD):	As per the CFO NOC
	Fire fighting - Overhead water tank(CMD):	As per the CFO NOC
	Excess treated water	1,276 KLD
Details of Swimming pool (If any)	On Podium top (Sale Building)	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	3-4 m
	Size and no of RWH tank(s) and Quantity:	7 Tanks of total 420 m3 capacity
	Location of the RWH tank(s):	Underground/ Basement
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	97 lakh
	Budgetary allocation (O & M cost) :	5.0 lakh/y
	Details of UGT tanks if any :	Underground (Rehab) & Basement (sale)

35.Storm water drainage	**Natural water drainage pattern:**	Towards North-West side of the plot
	Quantity of storm water:	2,196.93 m3/hr
	Size of SWD:	450 mm x 700 mm

Sewage and Waste water	**Sewage generation in KLD:**	2,019 KLD
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	8 STP's of total 2,200 KLD capacity
	Location & area of the STP:	Location: Basement , Total Area provided: 1350 m2
	Budgetary allocation (Capital cost):	440 Lakh
	Budgetary allocation (O & M cost):	88 Lakh/y

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction debris: 8,000 m3 and Excavation quantity: 23,000 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:**	2,170 kg/d
	Wet waste:	3,255 kg/d
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	20 m3/day
	Others if any:	Household E-Waste Generation
Mode of Disposal of waste:	**Dry waste:**	Dry garbage will be handed over to authorized recyclers
	Wet waste:	Wet garbage will be composted using Mechanical Composting unit and will be used as organic manure for landscaping.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Sludge use as manure for gardening
	Others if any:	The E-waste shall be handed over to e-waste management vendor authorized by MPCB (if any).
Area requirement:	**Location(s):**	Ground floor / Basement
	Area for the storage of waste & other material:	200 m2
	Area for machinery:	115 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	132 Lakh
	O & M cost:	53 Lakh/y

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	RG area required: 1,491.29 m2 & RG area provided: 2,341.95 m2
	No of trees to be cut :	• Trees on site: 19 Nos. • Trees to be transplant: 12 Nos . • Tress to be retained: 07
	Number of trees to be planted :	235 Nos.
	List of proposed native trees :	As per the list
	Timeline for completion of plantation :	2-4 years

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Anthocephalus kadamba	Kadamb	Deciduous tree, large foliage & beautiful tree	35
2	Cassia fistula	Bahava	Medium sized deciduous tree, Beautiful yellow flowers and Butterfly host plant.	36
3	Alstonia scholaris	Satvin	Shady, large evergreen tree, white fragrant flowers	32

4	Pongamia pinnata	Karanj	Shady tree	34
5	Murraya exotica	Kunti	Small, evergreen tree, good for gardens	36
6	Butea Monosperma	Palash	Medium deciduous tree with bright flowers	28
7	Erythrina indica	Pangara	Medium sized deciduous tree. Bright scarlet flowers.	34
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 :**	ADANI/ TATA
	During Construction Phase: (Demand Load)	500 kVA
	DG set as Power back-up during construction phase	500 kVA
	During Operation phase (Connected load):	19.0 MW
	During Operation phase (Demand load):	10.4 MW
	Transformer:	Rehab: 3 x 1000 kVA, Sale: 3 x 1000 kVA
	DG set as Power back-up during operation phase:	Total DG set Capacity: • 1 x 1010 kVA & 1 x 1250 kVA (Sale) • 3 x 750 kVA (Rehab)
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	No

48.Energy saving by non-conventional method:

• Solar hot water system to residential flats
• Solar PV panels for common area and landscape area lighting

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total energy saving	22.7 %

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:**	145 Lakhs
	O & M cost:	7.0 Lakh/y

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	-	8.5
2	Site sanitation (Toilets)	-	3.5
3	Environmental Monitoring	(As per the CPCB guidelines through MoEF Approved laboratories – Ambient Air-RSPM, PM2.5, SO2, NOx, CO), Noise: Leq day time and Night Time)	8
4	Potable Water Supply to Labour Camp	-	3.5
5	Health check-up & first aid	-	3.0
6	Safety Personal Protective Equipment	Helmets, Safety Shoes, Safety Belt, Goggles, Hand Gloves etc.)	12
7	Traffic Management	Sign Boards, Persons at entry exit and Parking area	2.5
8	Safety nets	-	6.5
9	Solid Waste Management & Site maintenance activity	-	2.5
10	Safety - Training to Workers	(Twice in Year), Safety Officer	3.0

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP (Tertiary)	Continuous O & M	440	88
2	Solar PV panels and Solar Hot water System	Weekly	145	7
3	Rain Water Harvesting	During rainy season (Cleaning of RWH tanks and Filtration chamber)	97	5
4	Solid waste Composting plant	Continuous O & M	132	53
5	Landscape development	Daily	21	3

6	Environmental Monitoring	As per the CPCB guidelines through MoEF Approved laboratories	-	8

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:	18.30 m & 13.40 m wide D.P Road
Parking details:	**Number and area of basement:**	1 Basement having area 6,603 m2
	Number and area of podia:	9 podiums (Per Podium area 5,476 m2)
	Total Parking area:	50,410 m2
	Area per car:	35.5 m2
	Area per car:	35.5 m2
	Number of 2-Wheelers as approved by competent authority:	300 Nos.
	Number of 4-Wheelers as approved by competent authority:	Rehab: required – 82 Nos. & provided: 83 Nos. Sale: required – 1,247 Nos. & provided: 1,337 Nos
	Public Transport:	-
	Width of all Internal roads (m):	9 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Project site is located at distance of 3 Km from the boundary of Sanjay Gandhi National Park (SGNP). 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	No
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

TOR Suggested Changes

Consolidated Statement Point Number	Original Remarks	Submitted Changes
Subject	Environment Clearance for proposed Slum Rehabilitation Scheme on land bearing Part of CTS. No. 1110 of Village Kandivali, situated at Powels land, Tulaskarwadi, M. G. Cross Road No. 1, Kandivli (West), Mumbai Suburban District for "Shivshakti Nagar Co-operative Housing Society Ltd." By M/s Bambay Slum Development Corporation	Environmental Clearance for proposed Slum Rehabilitation Scheme on land bearing Part of CTS. No. 1110 of Village Kandivali, situated at Powels land, Tulaskarwadi, M. G. Cross Road No. 1, Kandivali (West), Mumbai Suburban District for "Shivshakti Nagar Co-operative Housing Society Ltd." proposed by M/s. Bombay Slum Redevelopment Corporation Pvt. Ltd.
1.Name of Project	M/s. Bombay Slum Redevelopment Corporation Limited.	M/s. Bombay Slum Redevelopment Corporation Pvt. Ltd.
13. Note on the initiated work (If applicable)	We have stared work on site as per the approval dt 06.04.2017, As on today we have constructed 18,385.97 m2 area	We have started work on site as per the approvals received from SRA. As on today, we have constructed 18,385.97 m2 area.
22. Number of buildings & its configuration	6. Comp. Bldgs no. 3 (Wing- E & F Rehab) : Ground + 23 Upper floors (69.90 m)	6. Comp. Bldgs no. 3 (Wing- E & F Rehab) : Ground + 33 Upper floors (98.90 m)
22. Number of buildings & its configuration	6. Comp. Bldgs no. 3 (Wing- G Sale) : Ground + 23 Upper floors (69.90 m)	6. Comp. Bldgs no. 3 (Wing- G Rehab) : Ground + 33 Upper floors (98.90 m)
22. Number of buildings & its configuration	15. Rehab Building No. 5 (Wing- A & B Rehab): Ground + 23 Upper floors (69.90 m)	15. Sale Building No. 5 (Wing- A & B Sale): Ground + 15 Upper floors - A wing (46.70 m) & Ground + 23 upper floors - B wing (69.90 m)
23.Number of tenants and shops	• Comp. Bldg. No. 1 Flats: 78 Nos. Shops: 07 Nos. • Comp. Bldg. No. 2 Flats: 114 Nos. Shops: 09 Nos., • Comp. Bldg. No. 3 Flats: 1,395 Nos. Amenity area: 625.30 m2 Shops: 37 Nos., • Sale. Bldg. No. 4 Flats: 1,301 Nos. Amenity area: 1,200 m2 Shops: 19 Nos., • Rehab Bldg. No. 5 Flats: 289 Nos. Amenity area: 147.0 m2 Shops: 02 Nos.	• Comp. Bldg. No. 1- Flats: 78 Nos. Shops: 07 Nos. Amenity area: 22.27 m2, • Comp. Bldg. No. 2- Flats: 114 Nos. Shops: 09 Nos., • Comp. Bldg. No. 3- Flats: 1,588 Nos. Amenity area: 1,224 m2 Shops: 33 Nos., • Sale. Bldg. No. 4 - Flats: 1,301 Nos. Amenity area: 1,200 m2 Shops: 19 Nos., • Sale Bldg. No. 5- Flats: 197 Nos. Amenity area: 195 m2.
24.Number of expected residents / users	16,304 Nos.	16,856 Nos.
25.Tenant density per hectare	1060 /Ha	1092 /Ha
32.Total Water Requirement	Dry season: • Fresh water: 1,440 KLD, • Recycled water - Flushing: 723 KLD, • Swimming pool make up: 7 KLD, • Total Water Requirement: 2,170 KLD • Excess treated water: 1,264 KLD	Dry season: • Fresh water: 1,487 KLD, • Recycled water - Flushing: 747 KLD, • Swimming pool make up: 6 KLD, • Total Water Requirement: 2,240 KLD • Excess treated water: 1,306 KLD

32.Total Water Requirement	Wet Season: • Fresh water: 1,258 + 182 KLD, • Recycled water - Flushing: 723 KLD, • Swimming pool make up: 7 KLD, • Total Water Requirement: 2,170 KLD • Excess treated water: 1,276 KLD	Wet Season: • Fresh water: 1,305 + 182 KLD, • Recycled water - Flushing: 747 KLD, • Swimming pool make up: 7 KLD, • Total Water Requirement: 2,240 KLD • Excess treated water: 1,317 KLD
35. Storm water drainage	Quantity of storm water: 2,196.93 m3/hr	Quantity of storm water: 1,845.73 m3/hr
35. Storm water drainage	Size of SWD: 450 mm x 700 mm	450 x 450, 450 x 730, 450 x 650, 300 x 450, 450 x 580, 450 x 730, 450 x 530, 300 x 530, 450 x 610, 450 x 770 mm wide drain channels
36.Sewage and Waste water	Sewage generation in KLD: 2,019 KLD	Sewage generation in KLD: 2,085 KLD
36.Sewage and Waste water	Capacity of STP (CMD): 8 STP's of total 2,200 KLD capacity	Capacity of STP (CMD): 7 STP's of total 2,220 KLD capacity
37.Solid waste Management	Waste generation in the operation Phase: • Dry waste: 2170 kg/d • Wet waste: 3,255 kg/d	Waste generation in the operation Phase: • Dry waste: 3,315 kg/d • Wet waste: 4,973 kg/d
37. Solid waste Management	Budgetary allocation (Capital cost and O&M cost): Capital Cost: 132 Lakh & O&M Cost: 53 Lakh/y	Budgetary allocation (Capital cost and O&M cost): Capital Cost: 200 Lakh & O&M Cost: 80 Lakh/y
44.Green Belt Development	• Trees on site: 19 Nos. • Trees to be transplant: 12 Nos . • Tress to be retained: 07	• Trees on site: 15 Nos. • Trees to be transplant: 11 Nos . • Tress to be retained: 04
48.Energy	DG set as Power back-up during operation phase: Total DG set Capacity: • 1 x 1010 kVA & 1 x 1250 kVA (Sale) • 3 x 750 kVA (Rehab)	DG set as Power back-up during operation phase: Total DG set Capacity: • 1 x 1010 kVA & 1 x 1250 kVA (Sale) • 3 x 750 kVA + 1 x 400 kVA (Rehab)
50.Detail calculations & % of saving:	Total energy saving: 22.7 %	Total energy saving: 23.65 %
54. Traffic Management	Number of 4- Wheelers as approved by competent authority: Rehab: required – 82 Nos. & provided: 83 Nos. Sale: required – 1,247 Nos. & provided: 1,337 Nos.	Number of 4- Wheelers as approved by competent authority: Rehab: required – 87 Nos. & provided: 88 Nos., Sale: required – 1,247 Nos. & provided: 1,337 Nos.

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Representative of PP was present during the meeting along with environmental consultant M/S. Mahabal Enviro Engg. Pvt. Ltd.

PP informed that the project under consideration is SRA project. The total plot area of the project is 30,100.30 Sq. mt. having total construction area 2,72,954.6 Sq. mt.(FSI - 1,34,811.12Sq.mt.+NON FSI-1,38,143.48 Sq. mt.). The building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Comp. Bldg No. 1	Ground + 7 Upper floors	23.80
Comp. Bldgs no. 2	(Wing A_ Rehab) Ground + 7 Upper floors	23.80
Comp. Bldgs no. 2	(Wing B_ Sale) Ground + 7 Upper floors	23.80
Comp. Bldgs no. 3	(Wing- A &B_Rehab) Ground + 21 Upper floors	64.40
Comp. Bldgs no. 3	(Wing- C & DRehab) Ground + 23 Upper floors	69.90
Comp. Bldgs no. 3	(Wing- E & FRehab) Ground + 23 Upper floors	69.90
Comp. Bldgs no. 3	(Wing- G Sale) Ground + 23 Upper floors	69.90
Comp. Bldgs no. 3	(Wing- H Sale) Ground + 23 Upper floors	69.90
Comp. Bldgs no. 3	(Wing- I Rehab) Ground + 23 Upper floors	69.90
Sale Building No.4 (Tower A) B	+G+9P+ Amenity +38 Floor	153.35
Sale Building No.4 (Tower B)	B+G+9P+ Amenity +38 Floor	153.35
Sale Building No.4 (Tower C)	B+G+9P+ Amenity +38 Floor	153.35
Sale Building No.4 (Tower D)	B+G+9P+ Amenity +38 Floor	153.35
Sale Building No.4 (Tower E)	B+G+9P+ Amenity +38 Floor	153.35
Rehab Building No. 5 (Wing- A &BRehab)	Ground + 23 Upper floors	69.90

PP stated that, the initial sanction was obtained on **19.10.1996** under SRD scheme (2.5 FSI) which was subsequently revised on 09.05.2005 and revised LOI was obtained in 17.03.2006 and the said scheme was converted from SRD to SRA & clubbed with other two schemes known as Shiv Nagar Chs. Andheri (W) and Baptista Chs. Vileparle (W). PP further stated that, thereafter the scheme was revised due to conversion of carpet area from 20.90 to 25.00 m^2 and in this regard the revised LOI was obtained on 20.07.2009 with 4 FSI and revised LOI was again obtained from SRA dt. 16.09.2011 by clubbing two S. R. schemes i.e. Andheri Kamgar Nagar CHS (by shifting 107 PAP tenements) and Sitladevi CHS Ltd. (by transferring 11,900.00 m2 Sale component).

PP informed that, the LOI was again revised on 01.12.2012 by transferring 2856.22 m2 sale component from Shivshakti Nagar CHS to Andheri Kamgar Nagar CHS and shifting of 137 no. of PAP tenements and transferring of 12,500.00 m^2 sale BUA from Loknayak Nagar CHS Ltd. & Others Andheri (West) to Shishakti Nagar CHS Ltd. and again the LOI was revised on 06.04.2017 for change in carpet area of 244 transferred tenements from 20.9 to 25.00 m^2 to Shivshakti CHS Ltd**.**

PP stated that, Poisar river is abetting the project site and Runoff and Drain Carrying Capacity is as follow-

Details	**m^3/s**
Runoff after development from plot	0.51
Carrying capacity of internal drain	3.13
Runoff contributing to Poisar River (part:20.0 m width) considering Kamla Nehru Road Nalla Plot = 0.51 m3/s + Poisar River u/s catchment (part) = 186.04 m3/s + Kamla Nehru Road Nalla = 11.50 m3/s	198.05
Carrying capacity of Poisar River (part) considering Kamla Nehru Road Nalla	235.74
Runoff contributing to Poisar River (total: 30.0 m width) considering Kamla Nehru Road Nalla Plot = 0.51 m^3/s + Poisar River u/s catchment (total) = 304.93 m^3/s + Kamla Nehru Road Nalla = 11.50 m^3/s	316.94
Carrying capacity of Poisar River considering Kamla Nehru Road Nalla	369.69

PP further informed that, as on today they have constructed 18,385.97 m^2 area (FSI: 14,264.84 m^2). PP stated that, the project previously considered in 84th SEAC-2 meeting held on 07/01/2019 & ToR was approved for the said project.

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

Specific Conditions by SEAC:

2) MCGM to ensure that SWD work will be in line with BRIMSTOWAD report as finalized from time to time and other specific guidelines issued by Irrigation/Water Resource department or Water Commission as regards constructions near Poisar river to avoid flooding/ water logging in the area.
3) PP to stick to the design of main storm water drain wherein invert level of internal storm water drains is above the high flood level of the stream.
4) PP informed that they have applied for CFO NOC but same has still not been granted. The PP to upload CFO NOC as soon as granted and abide by it. PP agreed that he will provide 6 meter wide drive way with 9 meter turning radius all around buildings including building number 4 and will also provide fire hydrants on top of podium all around and separate staircase for access to fire hydrants on podium. CFO while granting NOC to ensure all fire proof arrangements
5) PP agreed to club maximum possible distributed RG totalling total 8% RG on Mother Earth.
6) PP to ensure that, no nalla should be diverted or closed and also to facilitate maintenance & De-silting operation 3mt & 5mt clear access shall be maintain within the holding along the nalla & this access shall be free of any encumbrance.
7) PP to ensure the maximum use of recycled water
8) 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

FINAL RECOMMENDATION

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

Agenda for 89th SEAC-2 meeting scheduled on 20th February, 2019

SEAC Meeting number: 89 **Meeting Date** February 20, 2019

Subject: Environment Clearance for Proposed project on plot bearing CS No. 1653, 1550 B & D, S. No. 17, 18 and 218, Village Shahad, Taluka Kalyan, District Thane by M/s. Birla Estates (A Division of Century Textiles and Industries Limited)

Is a Violation Case: No

1.Name of Project	Proposed project on plot bearing CS No. 1653, 1550 B & D, S. No. 17, 18 and 218, Village Shahad, Taluka Kalyan, District Thane by M/s. Birla Estates (A Division of Century Textiles and Industries Limited)
2.Type of institution	Private
3.Name of Project Proponent	Birla Estates (A Division of Century Textiles and Industries Limited)
4.Name of Consultant	Aditya Environmental Services Pvt. Ltd.
5.Type of project	Residential and Commercial Development
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Plot bearing CS No. 1653, 1550 B & D, S. No. 17, 18 and 218, Village Shahad, Taluka Kalyan, District Thane
9.Taluka	Kalyan
10.Village	Shahad
Correspondence Name:	Mr. Sachin Sinnarkar
Room Number:	-
Floor:	Level 8
Building Name:	Birla Aurora
Road/Street Name:	Dr. Annie Besant Road
Locality:	Worli
City:	Mumbai
11.Area of the project	Kalyan Dombivali Municipal Corporation (KDMC)
12.IOD/IOA/Concession/Plan Approval Number	Layout Approval No. KDMC TP 1293 dated 31st May 2018
	IOD/IOA/Concession/Plan Approval Number: Layout Approval No. KDMC TP 1293 dated 31st May 2018
	Approved Built-up Area: 154168
13.Note on the initiated work (If applicable)	Not Applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Layout Approval No. KDMC TP 1293 dated 31st May 2018
15.Total Plot Area (sq. m.)	85,220 sq. m.
16.Deductions	Area not in possession: 2,095 sq. m. + Area under 30 m wide road: 4,763 sq. m.
17.Net Plot area	78,362 sq. m.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** For owner : 45,955.79 sq. m. and for KDMC : 6000 sq. m.
	b) Non FSI area (sq. m.): 1,02,212.21 sq. m.
	c) Total BUA area (sq. m.): 154168
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** For owner : 45955.79 sq. m. and for KDMC : 6000 sq. m.
	Approved Non FSI area (sq. m.): 102212.21 sq. m.
	Date of Approval: 31-05-2018
19.Total ground coverage (m2)	17,140 sq. m.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	22%
21.Estimated cost of the project	3870000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Residential Tower-A	Ground + 5 Parking Floors + Stilt + 23 residential floors	89.4
2	Residential Tower-B	Ground + 1 Parking Floor + 28 residential floors (with 1 shop at Stilt level)	89.4
3	Residential Tower-C	Ground + 1 Parking Floors + 10 residential floors	36.3
4	Residential Tower-D	Ground + 1 Parking Floors + 10 residential floors	36.3
5	Residential Tower-E	Ground + 1 Parking Floors + 10 residential floors	36.3
6	Residential Tower-F	Ground + 1 Parking Floor + 28 residential floors	89.4
7	Residential Tower-G	Ground + 5 Parking Floors + Stilt + 23 residential floors	89.4
8	Podium Area	Ground + 6 Parking Floors + Stilt	18.6
9	Clubhouse	Ground + 0 Floors	6.65
10	KDMC Non-Residential Building	Ground + 3 Floors and Ground + 0 Floors	18.2

23.Number of tenants and shops	Number of tenements : 682, Number of shops : 1, KDMC Non-Residential Building of built-up area 6,000 sq. m.
24.Number of expected residents / users	Total : 4195 (including occupants of residential buildings : 3268 + clubhouse : 327 + commercial building : 600 + visitors : 387)
25.Tenant density per hectare	300/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)	Public access: 30 m wide DP road, Right of way: 18 m wide road, Internal roads: 9 m wide roads
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	4.738 m (internal turning radius on podium)
29.Existing structure (s) if any	Not Applicable
30.Details of the demolition with disposal (If applicable)	Not Applicable

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	Kalyan Dombivali Municipal Corporation (KDMC)
	Fresh water (CMD):	327.3
	Recycled water - Flushing (CMD):	170.25
	Recycled water - Gardening (CMD):	165.376
	Swimming pool make up (Cum):	3
	Total Water Requirement (CMD) :	665.926
	Fire fighting - Underground water tank(CMD):	500 m3/day for residential buildings and 100 m3/day for KDMC non-residential building
	Fire fighting - Overhead water tank(CMD):	30 m3/day in each wing of residential buildings and 20 m3/day for KDMC non-residential building
	Excess treated water	105.95
Wet season:	**Source of water**	Kalyan Dombivali Municipal Corporation (KDMC)
	Fresh water (CMD):	327.3
	Recycled water - Flushing (CMD):	170.25
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	3
	Total Water Requirement (CMD) :	500.55
	Fire fighting - Underground water tank(CMD):	500 m3/day for residential buildings and 100 m3/day for KDMC non-residential building
	Fire fighting - Overhead water tank(CMD):	30 m3/day in each wing of residential buildings and 20 m3/day for KDMC non-residential building
	Excess treated water	271.33
Details of Swimming pool (If any)	Swimming pool size is proposed to be 25 m X 10 m X 1.2 m. Fresh water requirement for swimming pool will be sufficed from tanker water supply.	

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:**	Below 6 m
	Size and no of RWH tank(s) and Quantity:	1 No. of size 4 m X 3.5 m X 4 m deep for Building-A & B, 1 No. of size 5 m X 5 m X 4 m deep for Building-C, D & E, 1 No. of size 3.5 m X 3.5 m X 4 m deep for Building-F & G, 1 No. each of size 3 m X 3 m X 4 m deep for KDMC Non-Residential Building and Clubhouse,1 No. of size 3 m X 2.5 m X 3 m
	Location of the RWH tank(s):	Below ground level
	Quantity of recharge pits:	31 Nos. for residential buildings and 6 Nos. for KDMC Non-Residential building
	Size of recharge pits :	All recharge pits of size 3 m X 3 m X 4 m deep
	Budgetary allocation (Capital cost) :	Rs. 3,50,000 per pit
	Budgetary allocation (O & M cost) :	Rs. 35,000 per pit
	Details of UGT tanks if any :	1 No. of size 4 m X 3.5 m X 4 m deep for Building-A & B 1 No. of size 5 m X 5 m X 4 m deep for Building-C, D & E 1 No. of size 3.5 m X 3.5 m X 4 m deep for Building-F & G 1 No. each of size 3 m X 3 m X 4 m deep for KDMC Non-Residential Building and Clubhouse
35.Storm water drainage	**Natural water drainage pattern:**	Natural drainage pattern will be maintained.
	Quantity of storm water:	Will be designed as per maximum rainfall.
	Size of SWD:	Storm water drain channels of following sizes will be provided : 750 mm X 1140 mm deep, 600 mm X 1145 mm deep, 600 mm X 1280 mm deep, 450 mm X 765 mm deep, 450 mm X 650 mm deep, 600 mm X 1330 mm deep, 600 mm X 1270 mm deep
Sewage and Waste water	**Sewage generation in KLD:**	464.82
	STP technology:	MBBR
	Capacity of STP (CMD):	490 cmd (1 STP of 450 cmd capacity for Residential buildings + 1 STP of 40 cmd capacity for KDMC Non-Residential building)
	Location & area of the STP:	Location : Below ground level, Area : 375 sq. m. for Residential Buildings and 50 sq. m. for KDMC Non-Residential Building
	Budgetary allocation (Capital cost):	Rs. 71.25 Lakhs
	Budgetary allocation (O & M cost):	Rs. 7.2 Lakhs/year

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	All excavated earth of shall be used for backfilling on site.
	Disposal of the construction waste debris:	Debris generated during construction phase will be collected at one place and will be disposed off to KDMC approved land-filling sites.
Waste generation in the operation Phase:	**Dry waste:**	800 kg/day
	Wet waste:	1100 kg/day
	Hazardous waste:	Waste / Spent Oil from DG Set & Transformers
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	50 kg/day
	Others if any:	Not Applicable

Mode of Disposal of waste:	**Dry waste:**	Segregation and sale of recyclables, inerts to approved landfill site.
	Wet waste:	Organic Waste Composter (OWC)
	Hazardous waste:	Used oil from DG sets to be sold to authorized oil waste recycler.
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	To be mixed with wet waste after proper drying for treatment in OWC.
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	Ground level
	Area for the storage of waste & other material:	800 sq. ft.
	Area for machinery:	120 sq. ft. for Residential buildings and 30 sq. ft. for KDMC Non-Residential buildings
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 16 Lakhs for Residential buildings and Rs. 5.5 Lakhs for KDMC Non-Residential buildings
	O & M cost:	Rs. 8 Lakhs/annum for Residential buildings and Rs. 3 Lakhs for KDMC Non-Residential buildings

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	Used / Spent Oil	5.1	KL/annum	Nil	As & when generated	As & when generated	To be sold to authorized oil waste recyclers

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 (2 Nos. Of capacity 630 kVA each for Residential Buildings and 1 No. of 315 kVA for KDMC Non-Residential Building)	HSD	3	6	0.20	518 deg.C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	Not applicable	As per requirement	As per requirement
41.Source of Fuel		Not applicable		
42.Mode of Transportation of fuel to site		Not applicable		

43.Green Belt Development	**Total RG area :**	For residential buildings : 31,858 sq. m. and for KDMC Non-Residential building : 7,972 sq. m.
	No of trees to be cut :	301 nos. of trees will be affected
	Number of trees to be planted :	850
	List of proposed native trees :	Azadirachta indica, Barringtonia racemosa, Dalbergia sisoo, Lagerstroemia speciosa, Millingtonia hortensis, Minusops elengii, Polyalthia longifolia, Spathodea campanulata
	Timeline for completion of plantation :	4 years from commencement of construction

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadirachta indica	Neem	As per landscape plan	Evergreen, quick growing
2	Barringtonia racemosa	Nevar	As per landscape plan	Evergreen, quick growing
3	Dalbergia sisoo	Shisav	As per landscape plan	Evergreen, quick growing
4	Lagerstroemia speciosa	Queen Crape Myrtle	As per landscape plan	Evergreen, quick growing
5	Millingtonia hortensis	Indian Corck	As per landscape plan	Evergreen, quick growing
6	Minusops elengii	Bakuli	As per landscape plan	Evergreen, quick growing
7	Polyalthia longifolia	Ashok	As per landscape plan	Evergreen, quick growing
8	Spathodea campanulata	Indian Tulip Tree	As per landscape plan	Evergreen, quick growing
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	As per landscape plan	As per landscape plan	As per landscape plan

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	190 kVA
	DG set as Power back-up during construction phase	Not applicable
	During Operation phase (Connected load):	For Residential buildings : 4,621.70 kW and For KDMC Non-Residential building : 1015.07 kW
	During Operation phase (Demand load):	For Residential buildings : 2,288.88 kW and For KDMC Non-Residential building : 576.97 kW
	Transformer:	Dry type transformer : 3 nos. of capacity 1000 kVA for Residential buildings and 1 No. of capacity 630 kVA for KDMC Non-Residential building
	DG set as Power back-up during operation phase:	2 Nos. of DG sets of capacity 630 kVA each for Residential buildings and 1 No. of DG set of capacity 315 kVA for KDMC Non-Residential building will be installed as emergency power back-up.
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	66 kV Railway Feeder Line. Minimum distance of 10 m has been maintained between the habitable structures and the HT line.

48.Energy saving by non-conventional method:

- Use of solar energy for common area lighting and landscape lighting
- Use of energy efficient pumps and motors
- Use of transformers with load and no load losses as compliant with ECBC
- Use of LED lighting fixtures for internal common areas, parking, landscape and street lighting
- Use of timer-based automatic on-off controls for common area lighting
- Energy conservation measures based on ECBC

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Overall Energy Saving	For Residential buildings : 24.03% and For KDMC Non-Residential building : 21.79%

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Waste water	Not applicable	STP of total capacity 490 cmd (1 STP of 450 cmd for Residential Complex + 1 STP of 40 cmd for KDMC Non-Residential Building)
Municipal solid waste	Not applicable	Organic Waste Composter (OWC) for on-site treatment of wet waste

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 110 Lakhs for solar hot water system and solar street lighting
	O & M cost:	Rs. 10 Lakhs for solar hot water system and solar street lighting

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

1	Provision of sanitation facilities for labours	Provision of clean toilets, potable drinking water	3
2	Provision of health and safety facilities for labours	Medical tests, training in safety	3
3	Arrangements for first aid	First aid kit	0.75
4	Monitoring of environmental parameters	Monitoring of air, noise and water quality	2.80

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant (STP)	Total capacity of 490 cmd	71.25	7.2
2	Solid waste management	OWC	21.5	11
3	Rainwater harvesting	RWH tanks & recharge pits	179.5	12.95
4	Energy saving features (including solar energy)	Solar hot water system and solar street lighting	110	10
5	Firefighting measures	Firefighting system (alarm, extinguisher etc.)	1700	17

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 proposed project site is along Kalyan-Shahad Road and accessible from the same.

Parking details:	**Number and area of basement:**	0
	Number and area of podia:	Podium (Ground + 6 Parking floors + Stilt) with built-up area of 75,663.29 sq. m.
	Total Parking area:	78,000 sq. m. including parking in podium area + open car parking
	Area per car:	13.75 sq. m. for 4-Wheelers and 3 sq. m. for 2-Wheelers
	Area per car:	13.75 sq. m. for 4-Wheelers and 3 sq. m. for 2-Wheelers
	Number of 2-Wheelers as approved by competent authority:	2954
	Number of 4-Wheelers as approved by competent authority:	1291
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	9 m
	CRZ/ RRZ clearance obtain, if any:	Out of the total site area, area admeasuring 33,335 sq. m. is situated in CRZ-III. Out of this, 19,930 sq. m. area is under 'Transport Nagar' reservation. Out of the total CRZ-III affected area under 'Transport Nagar' reservation, area admeasuring 7,972 sq. m. will be handed over to KDMC. No construction / utilization of FSI is proposed on the CRZ-III affected part of the site under 'Transport Nagar' reservation. The developer's plot affected by CRZ-III would be considered for landscaping / gree
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Waldhuni River (tributary of Ulhas River) - Adjoining the site from South-West to North-West
	Category as per schedule of EIA Notification sheet	8(b) Category B
	Court cases pending if any	No. Not Applicable
	Other Relevant Informations	No
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

TOR Suggested Changes

Consolidated Statement Point Number	Original Remarks	Submitted Changes
Subject:	Proposed residential and commercial development on plot bearing CS No. 1653, 1550 B & D, S. No. 17, 18 and 218, Village Shahad, Taluka Kalyan, District Thane by M/s. Birla Estates (A Division of Century Textiles and Industries Limited)	Proposed residential and commercial development on plot bearing CS No. 1653, 1550 B & D, S. No. 17, 18 and 218, Village Shahad, Taluka Kalyan, District Thane by M/s. Birla Estates (A Division of Century Textiles and Industries Limited)

Name of Project	Proposed residential and commercial development on plot bearing CS No. 1653, 1550 B & D, S. No. 17, 18 and 218, Village Shahad, Taluka Kalyan, District Thane by M/s. Birla Estates (A Division of Century Textiles and Industries Limited)	Proposed residential and commercial development on plot bearing CS No. 1653, 1550 B & D, S. No. 17, 18 and 218, Village Shahad, Taluka Kalyan, District Thane by M/s. Birla Estates (A Division of Century Textiles and Industries Limited)
Type of institution	Private	Private
Name of Project Proponent	Birla Estates (A Division of Century Textiles and Industries Limited)	Birla Estates (A Division of Century Textiles and Industries Limited)
Name of Consultant	Aditya Environmental Services Pvt. Ltd.	Aditya Environmental Services Pvt. Ltd.
Type of project	Residential and Commercial	Residential and Commercial
New project/expansion in existing project/modernization/diversification in existing project	New Project	New Project
If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable	Not applicable
Location of the project	Plot bearing CS No. 1653, 1550 B & D, S. No. 17, 18 and 218, Village Shahad, Taluka Kalyan, District Thane	Plot bearing CS No. 1653, 1550 B & D, S. No. 17, 18 and 218, Village Shahad, Taluka Kalyan, District Thane
Taluka	Kalyan	Kalyan
Village	Shahad	Shahad
Correspondence Name	Mr. Sachin Sinnarkar	Mr. Sachin Sinnarkar
Room Number	-	-
Floor	Level 8	Level 8
Building Name	Birla Aurora	Birla Aurora
Road/Street Name	Dr. Annie Besant Road	Dr. Annie Besant Road
Locality	Worli	Worli
City	Mumbai	Mumbai
Area of the project	Kalyan Dombivali Municipal Corporation (KDMC)	Kalyan Dombivali Municipal Corporation (KDMC)
IOD/IOA/Concession/Plan Approval Number	IOD/IOA/Concession/Plan Approval Number: Layout Approval No. KDMC TP 1293 dated 31st May 2018, Approved Built-up Area: 1,54,168.00 sq. m	IOD/IOA/Concession/Plan Approval Number: Layout Approval No. KDMC TP 1293 dated 31st May 2018; Approved Built-up Area: 1,54,168.00 sq. m
Note on the initiated work (If applicable)	Not applicable	Not applicable
LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Layout Approval No. KDMC TP 1293 dated 31st May 2018	Layout Approval No. KDMC TP 1293 dated 31st May 2018
Total Plot Area (sq. m.)	85,220 sq. m	85,220 sq. m
Deductions	Area not in possession : 2,095 sq. m, Area under 30 m wide road : 4,763 sq. m	Area not in possession : 2,095 sq. m, Area under 30 m wide road : 4,763 sq. m
Net Plot area	78,362 sq. m	78,362 sq. m
Proposed Built-up Area (FSI & Non-FSI)	FSI area (sq. m.): For owner : 45,955.79 sq. m. and for KDMC : 6000 sq. m, Non FSI area (sq. m.): 1,02,212.21sq. m, Total BUA area (sq. m.): 1,54,168.00 sq. m	FSI area (sq. m.): For owner : 45,980.33 sq. m. and for KDMC : 6000 sq. m, Non FSI area (sq. m.): 1,02,187. 67 sq. m, Total BUA area (sq. m.): 1,54,168.00 sq. m
Total ground coverage (m2)	17,140 sq. m	17,140 sq. m
Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	22%	22%
Estimated cost of the project	Rs. 387 Crores	Rs. 387 Crores

Number of buildings & its configuration	Residential Tower-A:Stilt + 5 Parking Podiums + 1 Landscape Podium + 23 Residential Floors, Residential Tower-B : Part Stilt & Part Ground Floor + 1 Parking Podium + 4 Part Residential & Part Parking Podiums + 1 Landscape Podium + 23 Residential Floors , Residential Tower-C: Stilt + 1 Parking Podium + 4 Part Residential & Part Parking Podiums + 1 Landscape Podium + 5 Residential Floors , Residential Tower-D: Stilt + 1 Parking Podium + 4 Part Residential & Part Parking Podiums + 1 Landscape Podium + 5 Residential Floors , Residential Tower-E: Stilt + 1 Parking Podium + 4 Part Residential & Part Parking Podiums + 1 Landscape Podium + 5 Residential Floors, Residential Tower-F: Stilt + 1 Parking Podium + 4 Part Residential & Part Parking Floors + 1 Landscape Podium + 23 Residential Floors , Residential Tower-G: Stilt + 5 Parking Podiums + 1 Landscape Podium + 23 Residential Floors, Podium area: Ground + 6 Parking Floors + Stilt, Clubhouse: Ground + 0 Floors , KDMC Non-Residential Building: Ground + 3 Floors and Ground + 0 Floors	Residential Tower-A:Stilt + 5 Parking Poiums + 1 Landscape Podium + 23 Residential Floors, Residential Tower-B: Part Stilt & Part Ground Floor + 1 Parking Podium + 4 Part Residential & Part Parking Podiums + 1 Landscape Podium + 23 Residential Floors, Residential Tower-C: Stilt + 1 Parking Podium + 4 Part Residential & Part Parking Podiums + 1 Landscape Podium + 5 Residential Floors, Residential Tower-D: Stilt + 1 Parking Podium + 4 Part Residential & Part Parking Podiums + 1 Landscape Podium + 5 Residential Floors, Residential Tower-E: Stilt + 1 Parking Podium + 4 Part Residential & Part Parking Podiums + 1 Landscape Podium + 5 Residential Floors , Residential Tower-F: Stilt + 1 Parking Podium + 4 Part Residential & Part Parking Floors + 1 Landscape Podium + 23 Residential Floors, Residential Tower-G: Stilt + 5 Parking Podiums + 1 Landscape Podium + 23 Residential Floors, Podium Area: Ground + 5 Parking Floors + Stilt, Clubhouse: Ground + 0 Floors, KDMC Non-Residential Building: Ground + 3 Floors and Ground + 0 Floors
Number of tenants and shops	Number of tenements : 682, Number of shops : 1, KDMC Non-Residential Building of built-up area 6,000 sq. m.	Number of tenements : 682, Number of shops : 1, KDMC Non-Residential Building of built-up area 6,000 sq. m
Number of expected residents / users	Total : 4195 (including occupants of residential buildings : 3268 + clubhouse : 327 + commercial building : 600 + visitors : 387)	Total : 4290 (including occupants of residential buildings : 3410 + clubhouse : 00 (As Club house is part of Residential) + commercial building : 800 + visitors : 80
Tenant density per hectare	300/Hectare	300/Hectare
Height of the building(s)	6.65 m – 89.4 m	6.65 m – 89.4 m
Right of way (Width of the road from the nearest fire station to the proposed building(s)	Public access: 30 m wide DP road, Right of way: 18 m wide road, Internal roads: 9 m wide roads	Public access : 30 m wide DP road Right of way : 18 m wide road Internal roads : 9 m
Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	4.738 m (internal turning radius on podium)	4.738 m (internal turning radius on podium)
Existing structure (s) if any	Not applicable	Not applicable
Details of the demolition with disposal (If applicable)	Not applicable	Not applicable
Production Details	Not applicable	Not applicable
Total Water Requirement	Source of water: Kalyan Dombivali Municipal Corporation (KDMC)	Source of water: Kalyan Dombivali Municipal Corporation (KDMC)
Fresh water (CMD)	327.3	327cmd
Recycled water - Flushing (CMD) :	170.25	171 cmd
Recycled water - Gardening (CMD)	165.376	323 cmd
Swimming pool make up (Cum)	3	3 cmd
Total Water Requirement (CMD)	665.926	824 cmd
Fire fighting - Underground water tank (CMD)	500 m3/day for residential buildings and 100 m3/day for KDMC nonresidential building	700 cmd for Residential buildings 100 cmd for KDMC Non-Residential building
Fire fighting - Overhead water tank (CMD) :	30 m3/day in each wing of residential buildings and 20 m3/day for KDMC non-residential building	30 cmd in each wing of Residential buildings 20 cmd for KDMC Non-Residential building
Excess treated water	105.95	0 cmd
Source of water	Kalyan Dombivali Municipal Corporation (KDMC)	Kalyan Dombivali Municipal Corporation (KDMC)
Fresh water (CMD)	327.3	327 cmd
Recycled water - Flushing (CMD)	170.25	171 cmd
Recycled water - Gardening (CMD)	0	0 cmd

Swimming pool make up (Cum) :	3	3 cmd
Total Water Requirement (CMD) :	500.55	501 cmd
Fire fighting - Underground water tank (CMD) :	500 m3/day for residential buildings and 100 m3/day for KDMC nonresidential building	700 cmd for Residential buildings 100 cmd for KDMC Non-Residential building
Fire fighting - Overhead water tank (CMD) :	30 m3/day in each wing of residential buildings and 20 m3/day for KDMC non-residential building	30 cmd in each wing of Residential buildings 20 cmd for KDMC Non-Residential building
Excess treated water	30 m3/day in each wing of residential buildings and 20 m3/day for KDMC non-residential building	258 cmd
Details of Swimming pool (If any)	Swimming pool size is proposed to be 25 m X 10 m X 1.2 m. Fresh water requirement for swimming pool will be sufficed from tanker water supply.	Swimming pool size is proposed to be 25 m X 10 m X 1.2 m. Fresh water requirement for swimming pool will be sufficed from tanker water supply.
Details of Total water consumed	NA	NA
Level of the Ground water table:	Below 6 m	Below 6 m
Rain Water Harvesting (RWH) Size and no of RWH tank(s) and Quantity	1 No. of size 4 m X 3.5 m X 4 m deep for Building-A & B, 1 No. of size 5 m X 5 m X 4 m deep for Building-C, D & E, 1 No. of size 3.5 m X 3.5 m X 4 m deep for Building-F & G, 1 No. each of size 3 m X 3 m X 4 m deep for KDMC Non-Residential Building and Clubhouse,1 No. of size 3 m X 2.5 m X 3 m	Building-A & B: 1 No. of size 4 m X 3.5 m X 4 m deep Building-C, D & E :1 No. of size 5 m X 5 m X 4 m deep Building-F & G: 1 No. of size 3.5 m X 3.5 m X 4 m deep KDMC Commercial Building :1 No. of size 5 m X 4 m X 4 m deep KDMC Auto Repair Shed : 1 No. of size 3.5 m X 3.5 m X 4 m deep Clubhouse:1 No. of size 3 m X 3 m X 4 m deep
Location of the RWH tank(s):	Below ground level	Below ground level
Quantity of recharge pits:	31 Nos. for residential buildings and 6 Nos. for KDMC Non-Residential building	Residential buildings: 17 Nos. KDMC Non-Residential building: 4 Nos.
Size of recharge pits:	31 Nos. for residential buildings and 6 Nos. for KDMC Non-Residential building	All recharge pits of size 3 m X 3 m X 4 m deep
Budgetary allocation (Capital cost) :	Rs. 3,50,000 per pit	Rs. 112 lacs
Budgetary allocation (O & M cost) :	Rs. 35,000 per pit	Rs. 2.24 lacs
Details of UGT tanks if any :	1 No. of size 4 m X 3.5 m X 4 m deep for Building-A & B 1 No. of size 5 m X 5 m X 4 m deep for Building-C, D & E 1 No. of size 3.5 m X 3.5 m X 4 m deep for Building-F & G 1 No. each of size 3 m X 3 m X 4 m deep for KDMC Non-Residential Building and Clubhouse	Building-A & B: 1 No. of size 4 m X 3.5 m X 4 m deep Building-C, D & E :1 No. of size 5 m X 5 m X 4 m deep Building-F & G: 1 No. of size 3.5 m X 3.5 m X 4 m deep KDMC Commercial Building :1 No. of size 5 m X 4 m X 4 m deep KDMC Auto Repair Shed : 1 No. of size 3.5 m X 3.5 m X 4 m deep Clubhouse:1 No. of size 3 m X 3 m X 4 m deep
Storm water drainage Natural water drainage pattern:	Natural drainage pattern will be maintained.	Natural drainage pattern will be maintained.
Quantity of storm water:	Will be designed as per maximum rainfall	Will be designed as per maximum rainfall
Size of SWD:	Storm water drain channels of following sizes will be provided : 750 mm X 1140 mm deep, 600 mm X 1145 mm deep, 600 mm X 1280 mm deep, 450 mm X 765 mm deep, 450 mm X 650 mm deep, 600 mm X 1330 mm deep, 600 mm X 1270 mm deep	Storm water drain channels of following sizes will be provided : 1. 750 mm X 960 mm deep, 2. 600 mm X 1060 mm deep, 3. 450 mm X 960 mm deep, 4. 450 mm X 770 mm deep, 5. 600 mm X 910 mm deep,
Sewage and Waste water, Sewage generation in KLD	464.82	464 KLD
STP technology:	MBBR	MBBR
Capacity of STP (CMD):	490 cmd (1 STP of 450 cmd capacity for Residential buildings + 1 STP of 40 cmd capacity for KDMC Non-Residential building)	485 cmd (1 STP of 445 cmd capacity for Residential buildings + 1 STP of 40 cmd capacity for KDMC Non-Residential building)
Location & area of the STP:	Location : Below ground level, Area : 375 sq. m. for Residential Buildings and 50 sq. m. for KDMC Non-Residential Building	Location : Below ground level, Area : 375 sq. m. for Residential Buildings and 50 sq. m. for KDMC Non-Residential Building
Budgetary allocation (Capital cost):	Rs. 71.25 Lakhs	Rs. 125 Lacs
Budgetary allocation (O & M cost):	Rs. 71.25 Lakhs	Rs. 6.50 Lacs

Solid waste Management, Waste generation in the Pre Construction and Construction phase: Waste generation:	All excavated earth of shall be used for backfilling on site.	All excavated earth of shall be used for backfilling on site.
Disposal of the construction waste debris:	Debris generated during construction phase will be collected at one place and will be disposed off to KDMC approved land-filling sites.	Debris generated during construction phase will be collected at one place and will be disposed off to KDMC approved land-filling sites.
Waste generation in the operation Phase Dry waste:	800 kg/day	1030kg/day for Residential + 106 kg/day for KDMC - Total : 1136 kg/day
Wet waste:	1100 kg/day	687 kg/day for Residential + 70 kg/day for KDMC- Total : 757 kg/day
Hazardous waste:	Waste / Spent Oil from DG Set & Transformers	Waste / Spent Oil from DG Set & Transformers
Biomedical waste (If applicable):	Not Applicable	0 kg/day
STP Sludge (Dry sludge):	50 kg/day	35 kg/day
Others if any:	Not Applicable	E Waste : 2145 kg/yr for Residential + 880 kg/yr for KDMC
Mode of Disposal of waste: Dry waste	Segregation and sale of recyclables, inerts to approved landfill site	Segregation and sale of recyclables, inerts to approved landfill site
Wet waste	Organic Waste Composter (OWC)	Organic Waste Composter (OWC)
Hazardous waste:	Used oil from DG sets to be sold to authorized oil waste recycler	Used oil from DG sets to be sold to authorized oil waste recycler
Biomedical waste (If applicable):	Not applicable	Not applicable
STP Sludge (Dry sludge):	To be mixed with wet waste after proper drying for treatment in OWC	To be mixed with wet waste after proper drying for treatment in OWC
Others if any:	Not applicable	Not applicable
Area requirement: Location(s):	Ground level	Ground level
Area for the storage of waste & other material:	800 sq. ft.	800 sq. ft.
Area for machinery	120 sq. ft. for Residential buildings 30 sq. ft. for KDMC Non-Residential buildings	120 sq. ft. for Residential buildings 30 sq. ft. for KDMC Non-Residential buildings
Budgetary allocation (Capital cost and O&M cost):	Rs. 16 Lakhs for Residential buildings and Rs. 5.5 Lakhs for KDMC Non- Residential buildings	Capital cost: Rs. 26 Lakhs , O & M cost: Rs. 1.3 Lakhs/annum
Effluent Characteristics	Not applicable	Not applicable
Amount of effluent generation (CMD):	Not applicable	Not applicable
Capacity of the ETP:	Not applicable	Not applicable
Amount of treated effluent recycled :	Not applicable	Not applicable
Amount of water send to the CETP:	Not applicable	Not applicable
Membership of CETP (if require):	Not applicable	Not applicable
Note on ETP technology to be used	Not applicable	Not applicable
Disposal of the ETP sludge	Not applicable	Not applicable
Hazardous Waste Details	Used / spent oil: To be sold to authorized oil waste recyclers	Used / spent oil: To be sold to authorized oil waste recyclers
Stacks emission Details	DG Set (2 Nos. Of capacity 630 kVA each for Residential Buildings and 1 No. of 315 kVA for KDMC Non-Residential Building)	DG Set (2 Nos. Of capacity 630 kVA each for Residential Buildings and 1 No. of 315 kVA for KDMC Non-Residential Building)
Details of Fuel to be used	HSD	HSD
Green Belt Development	For residential buildings : 31,858 sq. m. and for KDMC Non-Residential building : 7,972 sq. m., No of trees to be cut: 301 nos. of trees will be affected, 301 nos. of trees will be affected: 850, List of proposed native trees :Azadirachta indica, Barringtonia racemosa, Dalbergia sisoo, Lagerstroemia speciosa, Millingtonia hortensis, Minusops elengii, Polyalthia longifolia, Spathodea campanulata	Total RG area : For residential buildings : 31,858 sq. m. and for KDMC Non-Residential building : 7,972 sq. m, No of trees to be cut:: 135 nos., Number of trees to be planted : 675 nos., List of proposed native trees : Azadirachta indica, Barringtonia racemosa, Dalbergia sisoo, Lagerstroemia speciosa, Millingtonia hortensis, Minusops elengii, Polyalthia longifolia, Spathodea campanulata

Timeline for completion of plantation :	4 years from commencement of construction	4 years from commencement of construction
Number and list of trees species to be planted in the ground	attached as annexure	attached as annexure
Total quantity of plants on ground	1799 nos.	1799 nos.
Number and list of shrubs and bushes species to be planted in the podium RG	As per landscape plan	As per landscape plan
Source of power supply	MSEDCL	MSEDCL
During Construction Phase: (Demand Load)	190 kVA	190 kVA
Power requirement DG set as Power back-up during construction phase	Not applicable	Not applicable
During Operation phase (Connected load):	For Residential buildings : 4,621.70 kW and For KDMC Non-Residential building : 1015.07 kW	For Residential buildings : 4,741 kW For KDMC Non-Residential building : 1015 kW
During Operation phase (Demand load):	For Residential buildings : 2,288.88 kW and For KDMC Non-Residential building : 576.97 kW	For Residential buildings : 2,353 kW For KDMC Non-Residential building : 576 kW
Transformer:	Dry type transformer : 3 nos. of capacity 1000 kVA for Residential buildings and 1 No. of capacity 630 kVA for KDMC Non-Residential building	Dry type transformer : 3 nos. of capacity 1000 kVA for Residential buildings and 1 No. of capacity 1000 kVA for KDMC Non-Residential building
DG set as Power back-up during operation phase:	2 Nos. of DG sets of capacity 630 kVA each for Residential buildings and 1 No. of DG set of capacity 315 kVA for KDMC Non-Residential building will be installed as emergency power back-up.	DG set as Power back-up during operation phase:
Fuel used:	HSD	HSD
Energy saving by non-conventional method:	Use of solar energy for common area lighting and landscape lighting - Use of energy efficient pumps and motors - Use of transformers with load and no load losses as compliant with ECBC - Use of LED lighting fixtures for internal common areas, parking, landscape and street lighting - Use of timer-based automatic on-off controls for common area lighting - Energy conservation measures based on ECBC	Energy savings measures: - Use of Solar energy for street & landscape lighting - Use of energy efficient pumps and motors - Use of transformers with load and no load losses in compliance with ECBC - Use of LED lighting fixtures for internal common areas, parking, landscape and street lighting - Use of timer-based/sensor based on-off controls for common area lighting - Solar hot water (for one toilet of each apartment)
Detail calculations & % of saving:	For Residential buildings : 24.03% and For KDMC Non-Residential building : 21.79%	19%
Details of pollution control Systems Details of pollution control Systems	STP of total capacity 490 cmd (1 STP of 450 cmd for Residential Complex + 1 STP of 40 cmd for KDMC Non-Residential Building),	STP of total capacity 485 cmd (1 STP of 445cmd for Residential Complex + 1 STP of 40 cmd for KDMC Non-Residential Building)
Municipal solid waste	Organic Waste Composter (OWC) for on-site treatment of wet waste	Organic Waste Composter (OWC) for on-site treatment of wet waste
Organic Waste Composter (OWC) for on-site treatment of wet waste Capital cost:	Rs. 21 Lacs	Rs. 151 Lacs
O & M cost:	Rs.11 Lacs	Rs. 7.8 Lacs
Environmental Management plan Budgetary Allocation Waste management	3 LACS	0.20 LACS
Toilets for labour + drinking water + first aid arrangement	3.75 LACS	0.70 LACS
Operation Phase (with Break-up) :Sewage Treatment Plant (STP)	71.25	125.00 LACS
Solid waste management	21.5	26.00 LACS
Rainwater harvesting	179.5	112.00 LACS
Energy saving features (including solar energy)	110	110.00 LACS

Environmental Monitoring Cell	-	7.35 LACS
Green belt development	-	Green belt development
Fire Fighting	1700	1242.00
Storage of chemicals (inflamable/explosive/hazardous/toxic substances)	Not Applicable	Not Applicable
Any Other Information	Not Applicable	Not Applicable
Traffic Management Nos. of the junction to the main road & design of confluence:	The proposed project site is along Kalyan-Shahad Road and accessible from the same.	The proposed project site is along Kalyan-Shahad Road and accessible from the same.
Parking details: Number and area of basement:	0	0
Number and area of podia	Podium (Ground + 6 Parking floors + Stilt) with built-up area of 75,663.29 sq. m.	Podium (Ground + 5 Parking floors + Stilt) with built-up area of 62,551.87 sq. m.
Total Parking area:	78,000 sq. m. including parking in podium area + open car parking	65,000 sq. m. including parking in podium area + open car parking
Area per car:	13.75 sq. m. for 4-Wheelers and 3 sq. m. for 2-Wheelers13.75 sq. m. for 4-Wheelers and 3 sq. m. for 2-Wheelers	3 sq. m. for 2-Wheelers
Area per car:	13.75 sq. m. for 4-Wheelers and 3 sq. m. for 2-Wheelers13.75 sq. m. for 4-Wheelers and 3 sq. m. for 2-Wheelers	13.75 sq. m. for 4-Wheelers
Number of 2-Wheelers as approved by competent authority:	2954	2954
Number of 4-Wheelers as approved by competent authority:	1291	1291
Public Transport:	Not applicable	Not applicable
Width of all Internal roads (m):	9 m	9 m
CRZ/ RRZ clearance obtain, if any:	Out of the total site area, area admeasuring 33,335 sq. m. is situated in CRZ-III. Out of this, 19,930 sq. m. area is under 'Transport Nagar' reservation. Out of the total CRZ-III affected area under 'Transport Nagar' reservation, area admeasuring 7,972 sq. m. will be handed over to KDMC. No construction / utilization of FSI is proposed on the CRZ-III affected part of the site under 'Transport Nagar' reservation. The developer's plot affected by CRZ-III would be considered for landscaping / greenbelt development.	Out of the total site area, area admeasuring 33,335 sq. m. is situated in CRZ-III. Out of this, 19,930 sq. m. area is under 'Transport Nagar' reservation. Out of the total CRZ-III affected area under 'Transport Nagar' reservation, area admeasuring 7,972 sq. m. will be handed over to KDMC. No construction / utilization of FSI is proposed on the CRZ-III affected part of the site under 'Transport Nagar' reservation. The developer's plot affected by CRZ-III would be considered for landscaping / greenbelt development.
Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Waldhuni River (tributary of Ulhas River) - Adjoining the site from South-West to North-West	Waldhuni River (tributary of Ulhas River) - Adjoining the site from South-West to North-West
Category as per schedule of EIA Notification sheet	8(b) Category B	8(b) Category B
Court cases pending if any	Not applicable	Not applicable
Other Relevant Informations	No	No
Have you previously submitted Application online on MOEF Website	No	No
Date of online submission	-	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

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

PP informed that, the project under consideration is *Residential development cum Commercial development Project.*Committee noted that, the project previously considered in 85th SEAC-2 meeting held on 18/01/2019 & was deferred with important observation that to submit CRZ NoC, detail storm water drain calculations & detail plan for Plantation programme. PP submitted the compliance for the same.

PP stated that, the total plot area of the project is 85,220Sq.mt with total construction area of 15,41,68 Sq.mt. (FSI-For owner : 45,955.79 sq. m. and for KDMC: 6000Sq.mt + NON FSI- 1,02,212.21Sq.mt.).And the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Residential Tower-A	Ground + 5 Parking Floors + Stilt+ 23 residential floors	89.4
Residential Tower-B	Ground + 1 Parking Floor + 28 residential floors (with 1 shop atStilt level)	89.4
Residential Tower-C	Ground + 1 Parking Floors + 10 residential floors	36.3
Residential Tower-D	Ground + 1 Parking Floors + 10 residential floors	36.3
Residential Tower-E	Ground + 1 Parking Floors + 10 residential floors	36.3
Residential Tower-F	Ground + 1 Parking Floor + 28 residential floors	89.4
Residential Tower-G	Ground + 5 Parking Floors + Stilt+ 23 residential floors	89.4
Podium Area	Ground + 6 Parking Floors + Stilt	18.6
Clubhouse	Ground + 0 Floors	6.65
KDMC Non-Residential Building	Ground + 3 Floors and Ground + 0Floors	18.2

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. It is also noted that CFO NOC stipulate ramp slope as 1:10 but for

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) PP informed that he has not proposed any construction in CRZ and prohibited area and undertook that he will not undertake any construction therein without MCZMA's clearance. PP was directed not to undertake any construction in CRZ prohibited area without specific clearance from MCZMA
2) PP to design slope of ramp to 1:12

FINAL RECOMMENDATION

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

Agenda for 89th SEAC-2 meeting scheduled on 20th February, 2019

SEAC Meeting number: 89 **Meeting Date** February 20, 2019

Subject: Environment Clearance for Proposed project on plot bearing CS No. 1653, 1550 B & D, S. No. 17, 18 and 218, Village Shahad, Taluka Kalyan, District Thane by M/s. Birla Estates (A Division of Century Textiles and Industries Limited)

Is a Violation Case: No

1.Name of Project	Proposed project on plot bearing CS No. 1653, 1550 B & D, S. No. 17, 18 and 218, Village Shahad, Taluka Kalyan, District Thane by M/s. Birla Estates (A Division of Century Textiles and Industries Limited)
2.Type of institution	Private
3.Name of Project Proponent	Birla Estates (A Division of Century Textiles and Industries Limited)
4.Name of Consultant	Aditya Environmental Services Pvt. Ltd.
5.Type of project	Residential and Commercial Development
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Plot bearing CS No. 1653, 1550 B & D, S. No. 17, 18 and 218, Village Shahad, Taluka Kalyan, District Thane
9.Taluka	Kalyan
10.Village	Shahad
Correspondence Name:	Mr. Sachin Sinnarkar
Room Number:	-
Floor:	Level 8
Building Name:	Birla Aurora
Road/Street Name:	Dr. Annie Besant Road
Locality:	Worli
City:	Mumbai
11.Area of the project	Kalyan Dombivali Municipal Corporation (KDMC)
12.IOD/IOA/Concession/Plan Approval Number	Layout Approval No. KDMC TP 1293 dated 31st May 2018
	IOD/IOA/Concession/Plan Approval Number: Layout Approval No. KDMC TP 1293 dated 31st May 2018
	Approved Built-up Area: 154168
13.Note on the initiated work (If applicable)	Not Applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Layout Approval No. KDMC TP 1293 dated 31st May 2018
15.Total Plot Area (sq. m.)	85,220 sq. m.
16.Deductions	Area not in possession: 2,095 sq. m. + Area under 30 m wide road: 4,763 sq. m.
17.Net Plot area	78,362 sq. m.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** For owner : 45,955.79 sq. m. and for KDMC : 6000 sq. m.
	b) Non FSI area (sq. m.): 1,02,212.21 sq. m.
	c) Total BUA area (sq. m.): 154168
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** For owner : 45955.79 sq. m. and for KDMC : 6000 sq. m.
	Approved Non FSI area (sq. m.): 102212.21 sq. m.
	Date of Approval: 31-05-2018
19.Total ground coverage (m2)	17,140 sq. m.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	22%
21.Estimated cost of the project	3870000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Residential Tower-A	Ground + 5 Parking Floors + Stilt + 23 residential floors	89.4
2	Residential Tower-B	Ground + 1 Parking Floor + 28 residential floors (with 1 shop at Stilt level)	89.4
3	Residential Tower-C	Ground + 1 Parking Floors + 10 residential floors	36.3
4	Residential Tower-D	Ground + 1 Parking Floors + 10 residential floors	36.3
5	Residential Tower-E	Ground + 1 Parking Floors + 10 residential floors	36.3
6	Residential Tower-F	Ground + 1 Parking Floor + 28 residential floors	89.4
7	Residential Tower-G	Ground + 5 Parking Floors + Stilt + 23 residential floors	89.4
8	Podium Area	Ground + 6 Parking Floors + Stilt	18.6
9	Clubhouse	Ground + 0 Floors	6.65
10	KDMC Non-Residential Building	Ground + 3 Floors and Ground + 0 Floors	18.2

23.Number of tenants and shops	Number of tenements : 682, Number of shops : 1, KDMC Non-Residential Building of built-up area 6,000 sq. m.
24.Number of expected residents / users	Total : 4195 (including occupants of residential buildings : 3268 + clubhouse : 327 + commercial building : 600 + visitors : 387)
25.Tenant density per hectare	300/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)	Public access: 30 m wide DP road, Right of way: 18 m wide road, Internal roads: 9 m wide roads
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	4.738 m (internal turning radius on podium)
29.Existing structure (s) if any	Not Applicable
30.Details of the demolition with disposal (If applicable)	Not Applicable

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	Kalyan Dombivali Municipal Corporation (KDMC)
	Fresh water (CMD):	327.3
	Recycled water - Flushing (CMD):	170.25
	Recycled water - Gardening (CMD):	165.376
	Swimming pool make up (Cum):	3
	Total Water Requirement (CMD) :	665.926
	Fire fighting - Underground water tank(CMD):	500 m3/day for residential buildings and 100 m3/day for KDMC non-residential building
	Fire fighting - Overhead water tank(CMD):	30 m3/day in each wing of residential buildings and 20 m3/day for KDMC non-residential building
	Excess treated water	105.95
Wet season:	**Source of water**	Kalyan Dombivali Municipal Corporation (KDMC)
	Fresh water (CMD):	327.3
	Recycled water - Flushing (CMD):	170.25
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	3
	Total Water Requirement (CMD) :	500.55
	Fire fighting - Underground water tank(CMD):	500 m3/day for residential buildings and 100 m3/day for KDMC non-residential building
	Fire fighting - Overhead water tank(CMD):	30 m3/day in each wing of residential buildings and 20 m3/day for KDMC non-residential building
	Excess treated water	271.33
Details of Swimming pool (If any)	Swimming pool size is proposed to be 25 m X 10 m X 1.2 m. Fresh water requirement for swimming pool will be sufficed from tanker water supply.	

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:**	Below 6 m
	Size and no of RWH tank(s) and Quantity:	1 No. of size 4 m X 3.5 m X 4 m deep for Building-A & B, 1 No. of size 5 m X 5 m X 4 m deep for Building-C, D & E, 1 No. of size 3.5 m X 3.5 m X 4 m deep for Building-F & G, 1 No. each of size 3 m X 3 m X 4 m deep for KDMC Non-Residential Building and Clubhouse,1 No. of size 3 m X 2.5 m X 3 m
	Location of the RWH tank(s):	Below ground level
	Quantity of recharge pits:	31 Nos. for residential buildings and 6 Nos. for KDMC Non-Residential building
	Size of recharge pits :	All recharge pits of size 3 m X 3 m X 4 m deep
	Budgetary allocation (Capital cost) :	Rs. 3,50,000 per pit
	Budgetary allocation (O & M cost) :	Rs. 35,000 per pit
	Details of UGT tanks if any :	1 No. of size 4 m X 3.5 m X 4 m deep for Building-A & B 1 No. of size 5 m X 5 m X 4 m deep for Building-C, D & E 1 No. of size 3.5 m X 3.5 m X 4 m deep for Building-F & G 1 No. each of size 3 m X 3 m X 4 m deep for KDMC Non-Residential Building and Clubhouse
35.Storm water drainage	**Natural water drainage pattern:**	Natural drainage pattern will be maintained.
	Quantity of storm water:	Will be designed as per maximum rainfall.
	Size of SWD:	Storm water drain channels of following sizes will be provided : 750 mm X 1140 mm deep, 600 mm X 1145 mm deep, 600 mm X 1280 mm deep, 450 mm X 765 mm deep, 450 mm X 650 mm deep, 600 mm X 1330 mm deep, 600 mm X 1270 mm deep
Sewage and Waste water	**Sewage generation in KLD:**	464.82
	STP technology:	MBBR
	Capacity of STP (CMD):	490 cmd (1 STP of 450 cmd capacity for Residential buildings + 1 STP of 40 cmd capacity for KDMC Non-Residential building)
	Location & area of the STP:	Location : Below ground level, Area : 375 sq. m. for Residential Buildings and 50 sq. m. for KDMC Non-Residential Building
	Budgetary allocation (Capital cost):	Rs. 71.25 Lakhs
	Budgetary allocation (O & M cost):	Rs. 7.2 Lakhs/year

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	All excavated earth of shall be used for backfilling on site.
	Disposal of the construction waste debris:	Debris generated during construction phase will be collected at one place and will be disposed off to KDMC approved land-filling sites.
Waste generation in the operation Phase:	**Dry waste:**	800 kg/day
	Wet waste:	1100 kg/day
	Hazardous waste:	Waste / Spent Oil from DG Set & Transformers
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	50 kg/day
	Others if any:	Not Applicable

Mode of Disposal of waste:	**Dry waste:**	Segregation and sale of recyclables, inerts to approved landfill site.
	Wet waste:	Organic Waste Composter (OWC)
	Hazardous waste:	Used oil from DG sets to be sold to authorized oil waste recycler.
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	To be mixed with wet waste after proper drying for treatment in OWC.
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	Ground level
	Area for the storage of waste & other material:	800 sq. ft.
	Area for machinery:	120 sq. ft. for Residential buildings and 30 sq. ft. for KDMC Non-Residential buildings
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 16 Lakhs for Residential buildings and Rs. 5.5 Lakhs for KDMC Non-Residential buildings
	O & M cost:	Rs. 8 Lakhs/annum for Residential buildings and Rs. 3 Lakhs for KDMC Non-Residential buildings

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	Used / Spent Oil	5.1	KL/annum	Nil	As & when generated	As & when generated	To be sold to authorized oil waste recyclers

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 (2 Nos. Of capacity 630 kVA each for Residential Buildings and 1 No. of 315 kVA for KDMC Non-Residential Building)	HSD	3	6	0.20	518 deg.C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	Not applicable	As per requirement	As per requirement
41.Source of Fuel		Not applicable		
42.Mode of Transportation of fuel to site		Not applicable		

43.Green Belt Development	**Total RG area :**	For residential buildings : 31,858 sq. m. and for KDMC Non-Residential building : 7,972 sq. m.
	No of trees to be cut :	301 nos. of trees will be affected
	Number of trees to be planted :	850
	List of proposed native trees :	Azadirachta indica, Barringtonia racemosa, Dalbergia sisoo, Lagerstroemia speciosa, Millingtonia hortensis, Minusops elengii, Polyalthia longifolia, Spathodea campanulata
	Timeline for completion of plantation :	4 years from commencement of construction

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadirachta indica	Neem	As per landscape plan	Evergreen, quick growing
2	Barringtonia racemosa	Nevar	As per landscape plan	Evergreen, quick growing
3	Dalbergia sisoo	Shisav	As per landscape plan	Evergreen, quick growing
4	Lagerstroemia speciosa	Queen Crape Myrtle	As per landscape plan	Evergreen, quick growing
5	Millingtonia hortensis	Indian Corck	As per landscape plan	Evergreen, quick growing
6	Minusops elengii	Bakuli	As per landscape plan	Evergreen, quick growing
7	Polyalthia longifolia	Ashok	As per landscape plan	Evergreen, quick growing
8	Spathodea campanulata	Indian Tulip Tree	As per landscape plan	Evergreen, quick growing
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	As per landscape plan	As per landscape plan	As per landscape plan

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	190 kVA
	DG set as Power back-up during construction phase	Not applicable
	During Operation phase (Connected load):	For Residential buildings : 4,621.70 kW and For KDMC Non-Residential building : 1015.07 kW
	During Operation phase (Demand load):	For Residential buildings : 2,288.88 kW and For KDMC Non-Residential building : 576.97 kW
	Transformer:	Dry type transformer : 3 nos. of capacity 1000 kVA for Residential buildings and 1 No. of capacity 630 kVA for KDMC Non-Residential building
	DG set as Power back-up during operation phase:	2 Nos. of DG sets of capacity 630 kVA each for Residential buildings and 1 No. of DG set of capacity 315 kVA for KDMC Non-Residential building will be installed as emergency power back-up.
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	66 kV Railway Feeder Line. Minimum distance of 10 m has been maintained between the habitable structures and the HT line.

48.Energy saving by non-conventional method:

- Use of solar energy for common area lighting and landscape lighting
- Use of energy efficient pumps and motors
- Use of transformers with load and no load losses as compliant with ECBC
- Use of LED lighting fixtures for internal common areas, parking, landscape and street lighting
- Use of timer-based automatic on-off controls for common area lighting
- Energy conservation measures based on ECBC

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Overall Energy Saving	For Residential buildings : 24.03% and For KDMC Non-Residential building : 21.79%

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Waste water	Not applicable	STP of total capacity 490 cmd (1 STP of 450 cmd for Residential Complex + 1 STP of 40 cmd for KDMC Non-Residential Building)
Municipal solid waste	Not applicable	Organic Waste Composter (OWC) for on-site treatment of wet waste

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 110 Lakhs for solar hot water system and solar street lighting
	O & M cost:	Rs. 10 Lakhs for solar hot water system and solar street lighting

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

1	Provision of sanitation facilities for labours	Provision of clean toilets, potable drinking water	3
2	Provision of health and safety facilities for labours	Medical tests, training in safety	3
3	Arrangements for first aid	First aid kit	0.75
4	Monitoring of environmental parameters	Monitoring of air, noise and water quality	2.80

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant (STP)	Total capacity of 490 cmd	71.25	7.2
2	Solid waste management	OWC	21.5	11
3	Rainwater harvesting	RWH tanks & recharge pits	179.5	12.95
4	Energy saving features (including solar energy)	Solar hot water system and solar street lighting	110	10
5	Firefighting measures	Firefighting system (alarm, extinguisher etc.)	1700	17

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 proposed project site is along Kalyan-Shahad Road and accessible from the same.

Parking details:	**Number and area of basement:**	0
	Number and area of podia:	Podium (Ground + 6 Parking floors + Stilt) with built-up area of 75,663.29 sq. m.
	Total Parking area:	78,000 sq. m. including parking in podium area + open car parking
	Area per car:	13.75 sq. m. for 4-Wheelers and 3 sq. m. for 2-Wheelers
	Area per car:	13.75 sq. m. for 4-Wheelers and 3 sq. m. for 2-Wheelers
	Number of 2-Wheelers as approved by competent authority:	2954
	Number of 4-Wheelers as approved by competent authority:	1291
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	9 m
	CRZ/ RRZ clearance obtain, if any:	Out of the total site area, area admeasuring 33,335 sq. m. is situated in CRZ-III. Out of this, 19,930 sq. m. area is under 'Transport Nagar' reservation. Out of the total CRZ-III affected area under 'Transport Nagar' reservation, area admeasuring 7,972 sq. m. will be handed over to KDMC. No construction / utilization of FSI is proposed on the CRZ-III affected part of the site under 'Transport Nagar' reservation. The developer's plot affected by CRZ-III would be considered for landscaping / gree
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Waldhuni River (tributary of Ulhas River) - Adjoining the site from South-West to North-West
	Category as per schedule of EIA Notification sheet	8(b) Category B
	Court cases pending if any	No. Not Applicable
	Other Relevant Informations	No
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

TOR Suggested Changes

Consolidated Statement Point Number	Original Remarks	Submitted Changes
Subject:	Proposed residential and commercial development on plot bearing CS No. 1653, 1550 B & D, S. No. 17, 18 and 218, Village Shahad, Taluka Kalyan, District Thane by M/s. Birla Estates (A Division of Century Textiles and Industries Limited)	Proposed residential and commercial development on plot bearing CS No. 1653, 1550 B & D, S. No. 17, 18 and 218, Village Shahad, Taluka Kalyan, District Thane by M/s. Birla Estates (A Division of Century Textiles and Industries Limited)

Name of Project	Proposed residential and commercial development on plot bearing CS No. 1653, 1550 B & D, S. No. 17, 18 and 218, Village Shahad, Taluka Kalyan, District Thane by M/s. Birla Estates (A Division of Century Textiles and Industries Limited)	Proposed residential and commercial development on plot bearing CS No. 1653, 1550 B & D, S. No. 17, 18 and 218, Village Shahad, Taluka Kalyan, District Thane by M/s. Birla Estates (A Division of Century Textiles and Industries Limited)
Type of institution	Private	Private
Name of Project Proponent	Birla Estates (A Division of Century Textiles and Industries Limited)	Birla Estates (A Division of Century Textiles and Industries Limited)
Name of Consultant	Aditya Environmental Services Pvt. Ltd.	Aditya Environmental Services Pvt. Ltd.
Type of project	Residential and Commercial	Residential and Commercial
New project/expansion in existing project/modernization/diversification in existing project	New Project	New Project
If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable	Not applicable
Location of the project	Plot bearing CS No. 1653, 1550 B & D, S. No. 17, 18 and 218, Village Shahad, Taluka Kalyan, District Thane	Plot bearing CS No. 1653, 1550 B & D, S. No. 17, 18 and 218, Village Shahad, Taluka Kalyan, District Thane
Taluka	Kalyan	Kalyan
Village	Shahad	Shahad
Correspondence Name	Mr. Sachin Sinnarkar	Mr. Sachin Sinnarkar
Room Number	-	-
Floor	Level 8	Level 8
Building Name	Birla Aurora	Birla Aurora
Road/Street Name	Dr. Annie Besant Road	Dr. Annie Besant Road
Locality	Worli	Worli
City	Mumbai	Mumbai
Area of the project	Kalyan Dombivali Municipal Corporation (KDMC)	Kalyan Dombivali Municipal Corporation (KDMC)
IOD/IOA/Concession/Plan Approval Number	IOD/IOA/Concession/Plan Approval Number: Layout Approval No. KDMC TP 1293 dated 31st May 2018, Approved Built-up Area: 1,54,168.00 sq. m	IOD/IOA/Concession/Plan Approval Number: Layout Approval No. KDMC TP 1293 dated 31st May 2018; Approved Built-up Area: 1,54,168.00 sq. m
Note on the initiated work (If applicable)	Not applicable	Not applicable
LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Layout Approval No. KDMC TP 1293 dated 31st May 2018	Layout Approval No. KDMC TP 1293 dated 31st May 2018
Total Plot Area (sq. m.)	85,220 sq. m	85,220 sq. m
Deductions	Area not in possession : 2,095 sq. m, Area under 30 m wide road : 4,763 sq. m	Area not in possession : 2,095 sq. m, Area under 30 m wide road : 4,763 sq. m
Net Plot area	78,362 sq. m	78,362 sq. m
Proposed Built-up Area (FSI & Non-FSI)	FSI area (sq. m.): For owner : 45,955.79 sq. m. and for KDMC : 6000 sq. m, Non FSI area (sq. m.): 1,02,212.21sq. m, Total BUA area (sq. m.): 1,54,168.00 sq. m	FSI area (sq. m.): For owner : 45,980.33 sq. m. and for KDMC : 6000 sq. m, Non FSI area (sq. m.): 1,02,187. 67 sq. m, Total BUA area (sq. m.): 1,54,168.00 sq. m
Total ground coverage (m2)	17,140 sq. m	17,140 sq. m
Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	22%	22%
Estimated cost of the project	Rs. 387 Crores	Rs. 387 Crores

Number of buildings & its configuration	Residential Tower-A:Stilt + 5 Parking Podiums + 1 Landscape Podium + 23 Residential Floors, Residential Tower-B : Part Stilt & Part Ground Floor + 1 Parking Podium + 4 Part Residential & Part Parking Podiums + 1 Landscape Podium + 23 Residential Floors , Residential Tower-C: Stilt + 1 Parking Podium + 4 Part Residential & Part Parking Podiums + 1 Landscape Podium + 5 Residential Floors , Residential Tower-D: Stilt + 1 Parking Podium + 4 Part Residential & Part Parking Podiums + 1 Landscape Podium + 5 Residential Floors , Residential Tower-E: Stilt + 1 Parking Podium + 4 Part Residential & Part Parking Podiums + 1 Landscape Podium + 5 Residential Floors, Residential Tower-F: Stilt + 1 Parking Podium + 4 Part Residential & Part Parking Floors + 1 Landscape Podium + 23 Residential Floors , Residential Tower-G: Stilt + 5 Parking Podiums + 1 Landscape Podium + 23 Residential Floors, Podium area: Ground + 6 Parking Floors + Stilt, Clubhouse: Ground + 0 Floors , KDMC Non-Residential Building: Ground + 3 Floors and Ground + 0 Floors	Residential Tower-A:Stilt + 5 Parking Poiums + 1 Landscape Podium + 23 Residential Floors, Residential Tower-B: Part Stilt & Part Ground Floor + 1 Parking Podium + 4 Part Residential & Part Parking Podiums + 1 Landscape Podium + 23 Residential Floors, Residential Tower-C: Stilt + 1 Parking Podium + 4 Part Residential & Part Parking Podiums + 1 Landscape Podium + 5 Residential Floors, Residential Tower-D: Stilt + 1 Parking Podium + 4 Part Residential & Part Parking Podiums + 1 Landscape Podium + 5 Residential Floors, Residential Tower-E: Stilt + 1 Parking Podium + 4 Part Residential & Part Parking Podiums + 1 Landscape Podium + 5 Residential Floors , Residential Tower-F: Stilt + 1 Parking Podium + 4 Part Residential & Part Parking Floors + 1 Landscape Podium + 23 Residential Floors, Residential Tower-G: Stilt + 5 Parking Podiums + 1 Landscape Podium + 23 Residential Floors, Podium Area: Ground + 5 Parking Floors + Stilt, Clubhouse: Ground + 0 Floors, KDMC Non-Residential Building: Ground + 3 Floors and Ground + 0 Floors
Number of tenants and shops	Number of tenements : 682, Number of shops : 1, KDMC Non-Residential Building of built-up area 6,000 sq. m.	Number of tenements : 682, Number of shops : 1, KDMC Non-Residential Building of built-up area 6,000 sq. m
Number of expected residents / users	Total : 4195 (including occupants of residential buildings : 3268 + clubhouse : 327 + commercial building : 600 + visitors : 387)	Total : 4290 (including occupants of residential buildings : 3410 + clubhouse : 00 (As Club house is part of Residential) + commercial building : 800 + visitors : 80
Tenant density per hectare	300/Hectare	300/Hectare
Height of the building(s)	6.65 m – 89.4 m	6.65 m – 89.4 m
Right of way (Width of the road from the nearest fire station to the proposed building(s)	Public access: 30 m wide DP road, Right of way: 18 m wide road, Internal roads: 9 m wide roads	Public access : 30 m wide DP road Right of way : 18 m wide road Internal roads : 9 m
Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	4.738 m (internal turning radius on podium)	4.738 m (internal turning radius on podium)
Existing structure (s) if any	Not applicable	Not applicable
Details of the demolition with disposal (If applicable)	Not applicable	Not applicable
Production Details	Not applicable	Not applicable
Total Water Requirement	Source of water: Kalyan Dombivali Municipal Corporation (KDMC)	Source of water: Kalyan Dombivali Municipal Corporation (KDMC)
Fresh water (CMD)	327.3	327cmd
Recycled water - Flushing (CMD) :	170.25	171 cmd
Recycled water - Gardening (CMD)	165.376	323 cmd
Swimming pool make up (Cum)	3	3 cmd
Total Water Requirement (CMD)	665.926	824 cmd
Fire fighting - Underground water tank (CMD)	500 m3/day for residential buildings and 100 m3/day for KDMC nonresidential building	700 cmd for Residential buildings 100 cmd for KDMC Non-Residential building
Fire fighting - Overhead water tank (CMD) :	30 m3/day in each wing of residential buildings and 20 m3/day for KDMC non-residential building	30 cmd in each wing of Residential buildings 20 cmd for KDMC Non-Residential building
Excess treated water	105.95	0 cmd
Source of water	Kalyan Dombivali Municipal Corporation (KDMC)	Kalyan Dombivali Municipal Corporation (KDMC)
Fresh water (CMD)	327.3	327 cmd
Recycled water - Flushing (CMD)	170.25	171 cmd
Recycled water - Gardening (CMD)	0	0 cmd

Swimming pool make up (Cum) :	3	3 cmd
Total Water Requirement (CMD) :	500.55	501 cmd
Fire fighting - Underground water tank (CMD) :	500 m3/day for residential buildings and 100 m3/day for KDMC nonresidential building	700 cmd for Residential buildings 100 cmd for KDMC Non-Residential building
Fire fighting - Overhead water tank (CMD) :	30 m3/day in each wing of residential buildings and 20 m3/day for KDMC non-residential building	30 cmd in each wing of Residential buildings 20 cmd for KDMC Non-Residential building
Excess treated water	30 m3/day in each wing of residential buildings and 20 m3/day for KDMC non-residential building	258 cmd
Details of Swimming pool (If any)	Swimming pool size is proposed to be 25 m X 10 m X 1.2 m. Fresh water requirement for swimming pool will be sufficed from tanker water supply.	Swimming pool size is proposed to be 25 m X 10 m X 1.2 m. Fresh water requirement for swimming pool will be sufficed from tanker water supply.
Details of Total water consumed	NA	NA
Level of the Ground water table:	Below 6 m	Below 6 m
Rain Water Harvesting (RWH) Size and no of RWH tank(s) and Quantity	1 No. of size 4 m X 3.5 m X 4 m deep for Building-A & B, 1 No. of size 5 m X 5 m X 4 m deep for Building-C, D & E, 1 No. of size 3.5 m X 3.5 m X 4 m deep for Building-F & G, 1 No. each of size 3 m X 3 m X 4 m deep for KDMC Non-Residential Building and Clubhouse,1 No. of size 3 m X 2.5 m X 3 m	Building-A & B: 1 No. of size 4 m X 3.5 m X 4 m deep Building-C, D & E :1 No. of size 5 m X 5 m X 4 m deep Building-F & G: 1 No. of size 3.5 m X 3.5 m X 4 m deep KDMC Commercial Building :1 No. of size 5 m X 4 m X 4 m deep KDMC Auto Repair Shed : 1 No. of size 3.5 m X 3.5 m X 4 m deep Clubhouse:1 No. of size 3 m X 3 m X 4 m deep
Location of the RWH tank(s):	Below ground level	Below ground level
Quantity of recharge pits:	31 Nos. for residential buildings and 6 Nos. for KDMC Non-Residential building	Residential buildings: 17 Nos. KDMC Non-Residential building: 4 Nos.
Size of recharge pits:	31 Nos. for residential buildings and 6 Nos. for KDMC Non-Residential building	All recharge pits of size 3 m X 3 m X 4 m deep
Budgetary allocation (Capital cost) :	Rs. 3,50,000 per pit	Rs. 112 lacs
Budgetary allocation (O & M cost) :	Rs. 35,000 per pit	Rs. 2.24 lacs
Details of UGT tanks if any :	1 No. of size 4 m X 3.5 m X 4 m deep for Building-A & B 1 No. of size 5 m X 5 m X 4 m deep for Building-C, D & E 1 No. of size 3.5 m X 3.5 m X 4 m deep for Building-F & G 1 No. each of size 3 m X 3 m X 4 m deep for KDMC Non-Residential Building and Clubhouse	Building-A & B: 1 No. of size 4 m X 3.5 m X 4 m deep Building-C, D & E :1 No. of size 5 m X 5 m X 4 m deep Building-F & G: 1 No. of size 3.5 m X 3.5 m X 4 m deep KDMC Commercial Building :1 No. of size 5 m X 4 m X 4 m deep KDMC Auto Repair Shed : 1 No. of size 3.5 m X 3.5 m X 4 m deep Clubhouse:1 No. of size 3 m X 3 m X 4 m deep
Storm water drainage Natural water drainage pattern:	Natural drainage pattern will be maintained.	Natural drainage pattern will be maintained.
Quantity of storm water:	Will be designed as per maximum rainfall	Will be designed as per maximum rainfall
Size of SWD:	Storm water drain channels of following sizes will be provided : 750 mm X 1140 mm deep, 600 mm X 1145 mm deep, 600 mm X 1280 mm deep, 450 mm X 765 mm deep, 450 mm X 650 mm deep, 600 mm X 1330 mm deep, 600 mm X 1270 mm deep	Storm water drain channels of following sizes will be provided : 1. 750 mm X 960 mm deep, 2. 600 mm X 1060 mm deep, 3. 450 mm X 960 mm deep, 4. 450 mm X 770 mm deep, 5. 600 mm X 910 mm deep,
Sewage and Waste water, Sewage generation in KLD	464.82	464 KLD
STP technology:	MBBR	MBBR
Capacity of STP (CMD):	490 cmd (1 STP of 450 cmd capacity for Residential buildings + 1 STP of 40 cmd capacity for KDMC Non-Residential building)	485 cmd (1 STP of 445 cmd capacity for Residential buildings + 1 STP of 40 cmd capacity for KDMC Non-Residential building)
Location & area of the STP:	Location : Below ground level, Area : 375 sq. m. for Residential Buildings and 50 sq. m. for KDMC Non-Residential Building	Location : Below ground level, Area : 375 sq. m. for Residential Buildings and 50 sq. m. for KDMC Non-Residential Building
Budgetary allocation (Capital cost):	Rs. 71.25 Lakhs	Rs. 125 Lacs
Budgetary allocation (O & M cost):	Rs. 71.25 Lakhs	Rs. 6.50 Lacs

Solid waste Management, Waste generation in the Pre Construction and Construction phase: Waste generation:	All excavated earth of shall be used for backfilling on site.	All excavated earth of shall be used for backfilling on site.
Disposal of the construction waste debris:	Debris generated during construction phase will be collected at one place and will be disposed off to KDMC approved land-filling sites.	Debris generated during construction phase will be collected at one place and will be disposed off to KDMC approved land-filling sites.
Waste generation in the operation Phase Dry waste:	800 kg/day	1030kg/day for Residential + 106 kg/day for KDMC - Total : 1136 kg/day
Wet waste:	1100 kg/day	687 kg/day for Residential + 70 kg/day for KDMC- Total : 757 kg/day
Hazardous waste:	Waste / Spent Oil from DG Set & Transformers	Waste / Spent Oil from DG Set & Transformers
Biomedical waste (If applicable):	Not Applicable	0 kg/day
STP Sludge (Dry sludge):	50 kg/day	35 kg/day
Others if any:	Not Applicable	E Waste : 2145 kg/yr for Residential + 880 kg/yr for KDMC
Mode of Disposal of waste: Dry waste	Segregation and sale of recyclables, inerts to approved landfill site	Segregation and sale of recyclables, inerts to approved landfill site
Wet waste	Organic Waste Composter (OWC)	Organic Waste Composter (OWC)
Hazardous waste:	Used oil from DG sets to be sold to authorized oil waste recycler	Used oil from DG sets to be sold to authorized oil waste recycler
Biomedical waste (If applicable):	Not applicable	Not applicable
STP Sludge (Dry sludge):	To be mixed with wet waste after proper drying for treatment in OWC	To be mixed with wet waste after proper drying for treatment in OWC
Others if any:	Not applicable	Not applicable
Area requirement: Location(s):	Ground level	Ground level
Area for the storage of waste & other material:	800 sq. ft.	800 sq. ft.
Area for machinery	120 sq. ft. for Residential buildings 30 sq. ft. for KDMC Non-Residential buildings	120 sq. ft. for Residential buildings 30 sq. ft. for KDMC Non-Residential buildings
Budgetary allocation (Capital cost and O&M cost):	Rs. 16 Lakhs for Residential buildings and Rs. 5.5 Lakhs for KDMC Non- Residential buildings	Capital cost: Rs. 26 Lakhs , O & M cost: Rs. 1.3 Lakhs/annum
Effluent Characteristics	Not applicable	Not applicable
Amount of effluent generation (CMD):	Not applicable	Not applicable
Capacity of the ETP:	Not applicable	Not applicable
Amount of treated effluent recycled :	Not applicable	Not applicable
Amount of water send to the CETP:	Not applicable	Not applicable
Membership of CETP (if require):	Not applicable	Not applicable
Note on ETP technology to be used	Not applicable	Not applicable
Disposal of the ETP sludge	Not applicable	Not applicable
Hazardous Waste Details	Used / spent oil: To be sold to authorized oil waste recyclers	Used / spent oil: To be sold to authorized oil waste recyclers
Stacks emission Details	DG Set (2 Nos. Of capacity 630 kVA each for Residential Buildings and 1 No. of 315 kVA for KDMC Non-Residential Building)	DG Set (2 Nos. Of capacity 630 kVA each for Residential Buildings and 1 No. of 315 kVA for KDMC Non-Residential Building)
Details of Fuel to be used	HSD	HSD
Green Belt Development	For residential buildings : 31,858 sq. m. and for KDMC Non-Residential building : 7,972 sq. m., No of trees to be cut: 301 nos. of trees will be affected, 301 nos. of trees will be affected: 850, List of proposed native trees :Azadirachta indica, Barringtonia racemosa, Dalbergia sisoo, Lagerstroemia speciosa, Millingtonia hortensis, Minusops elengii, Polyalthia longifolia, Spathodea campanulata	Total RG area : For residential buildings : 31,858 sq. m. and for KDMC Non-Residential building : 7,972 sq. m, No of trees to be cut:: 135 nos., Number of trees to be planted : 675 nos., List of proposed native trees : Azadirachta indica, Barringtonia racemosa, Dalbergia sisoo, Lagerstroemia speciosa, Millingtonia hortensis, Minusops elengii, Polyalthia longifolia, Spathodea campanulata

Timeline for completion of plantation :	4 years from commencement of construction	4 years from commencement of construction
Number and list of trees species to be planted in the ground	attached as annexure	attached as annexure
Total quantity of plants on ground	1799 nos.	1799 nos.
Number and list of shrubs and bushes species to be planted in the podium RG	As per landscape plan	As per landscape plan
Source of power supply	MSEDCL	MSEDCL
During Construction Phase: (Demand Load)	190 kVA	190 kVA
Power requirement DG set as Power back-up during construction phase	Not applicable	Not applicable
During Operation phase (Connected load):	For Residential buildings : 4,621.70 kW and For KDMC Non-Residential building : 1015.07 kW	For Residential buildings : 4,741 kW For KDMC Non-Residential building : 1015 kW
During Operation phase (Demand load):	For Residential buildings : 2,288.88 kW and For KDMC Non-Residential building : 576.97 kW	For Residential buildings : 2,353 kW For KDMC Non-Residential building : 576 kW
Transformer:	Dry type transformer : 3 nos. of capacity 1000 kVA for Residential buildings and 1 No. of capacity 630 kVA for KDMC Non-Residential building	Dry type transformer : 3 nos. of capacity 1000 kVA for Residential buildings and 1 No. of capacity 1000 kVA for KDMC Non-Residential building
DG set as Power back-up during operation phase:	2 Nos. of DG sets of capacity 630 kVA each for Residential buildings and 1 No. of DG set of capacity 315 kVA for KDMC Non-Residential building will be installed as emergency power back-up.	DG set as Power back-up during operation phase:
Fuel used:	HSD	HSD
Energy saving by non-conventional method:	Use of solar energy for common area lighting and landscape lighting - Use of energy efficient pumps and motors - Use of transformers with load and no load losses as compliant with ECBC - Use of LED lighting fixtures for internal common areas, parking, landscape and street lighting - Use of timer-based automatic on-off controls for common area lighting - Energy conservation measures based on ECBC	Energy savings measures: - Use of Solar energy for street & landscape lighting - Use of energy efficient pumps and motors - Use of transformers with load and no load losses in compliance with ECBC - Use of LED lighting fixtures for internal common areas, parking, landscape and street lighting - Use of timer-based/sensor based on-off controls for common area lighting - Solar hot water (for one toilet of each apartment)
Detail calculations & % of saving:	For Residential buildings : 24.03% and For KDMC Non-Residential building : 21.79%	19%
Details of pollution control Systems Details of pollution control Systems	STP of total capacity 490 cmd (1 STP of 450 cmd for Residential Complex + 1 STP of 40 cmd for KDMC Non-Residential Building),	STP of total capacity 485 cmd (1 STP of 445cmd for Residential Complex + 1 STP of 40 cmd for KDMC Non-Residential Building)
Municipal solid waste	Organic Waste Composter (OWC) for on-site treatment of wet waste	Organic Waste Composter (OWC) for on-site treatment of wet waste
Organic Waste Composter (OWC) for on-site treatment of wet waste Capital cost:	Rs. 21 Lacs	Rs. 151 Lacs
O & M cost:	Rs.11 Lacs	Rs. 7.8 Lacs
Environmental Management plan Budgetary Allocation Waste management	3 LACS	0.20 LACS
Toilets for labour + drinking water + first aid arrangement	3.75 LACS	0.70 LACS
Operation Phase (with Break-up) :Sewage Treatment Plant (STP)	71.25	125.00 LACS
Solid waste management	21.5	26.00 LACS
Rainwater harvesting	179.5	112.00 LACS
Energy saving features (including solar energy)	110	110.00 LACS

Environmental Monitoring Cell	-	7.35 LACS
Green belt development	-	Green belt development
Fire Fighting	1700	1242.00
Storage of chemicals (inflamable/explosive/hazardous/toxic substances)	Not Applicable	Not Applicable
Any Other Information	Not Applicable	Not Applicable
Traffic Management Nos. of the junction to the main road & design of confluence:	The proposed project site is along Kalyan-Shahad Road and accessible from the same.	The proposed project site is along Kalyan-Shahad Road and accessible from the same.
Parking details: Number and area of basement:	0	0
Number and area of podia	Podium (Ground + 6 Parking floors + Stilt) with built-up area of 75,663.29 sq. m.	Podium (Ground + 5 Parking floors + Stilt) with built-up area of 62,551.87 sq. m.
Total Parking area:	78,000 sq. m. including parking in podium area + open car parking	65,000 sq. m. including parking in podium area + open car parking
Area per car:	13.75 sq. m. for 4-Wheelers and 3 sq. m. for 2-Wheelers13.75 sq. m. for 4-Wheelers and 3 sq. m. for 2-Wheelers	3 sq. m. for 2-Wheelers
Area per car:	13.75 sq. m. for 4-Wheelers and 3 sq. m. for 2-Wheelers13.75 sq. m. for 4-Wheelers and 3 sq. m. for 2-Wheelers	13.75 sq. m. for 4-Wheelers
Number of 2-Wheelers as approved by competent authority:	2954	2954
Number of 4-Wheelers as approved by competent authority:	1291	1291
Public Transport:	Not applicable	Not applicable
Width of all Internal roads (m):	9 m	9 m
CRZ/ RRZ clearance obtain, if any:	Out of the total site area, area admeasuring 33,335 sq. m. is situated in CRZ-III. Out of this, 19,930 sq. m. area is under 'Transport Nagar' reservation. Out of the total CRZ-III affected area under 'Transport Nagar' reservation, area admeasuring 7,972 sq. m. will be handed over to KDMC. No construction / utilization of FSI is proposed on the CRZ-III affected part of the site under 'Transport Nagar' reservation. The developer's plot affected by CRZ-III would be considered for landscaping / greenbelt development.	Out of the total site area, area admeasuring 33,335 sq. m. is situated in CRZ-III. Out of this, 19,930 sq. m. area is under 'Transport Nagar' reservation. Out of the total CRZ-III affected area under 'Transport Nagar' reservation, area admeasuring 7,972 sq. m. will be handed over to KDMC. No construction / utilization of FSI is proposed on the CRZ-III affected part of the site under 'Transport Nagar' reservation. The developer's plot affected by CRZ-III would be considered for landscaping / greenbelt development.
Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Waldhuni River (tributary of Ulhas River) - Adjoining the site from South-West to North-West	Waldhuni River (tributary of Ulhas River) - Adjoining the site from South-West to North-West
Category as per schedule of EIA Notification sheet	8(b) Category B	8(b) Category B
Court cases pending if any	Not applicable	Not applicable
Other Relevant Informations	No	No
Have you previously submitted Application online on MOEF Website	No	No
Date of online submission	-	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

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

PP informed that, the project under consideration is *Residential development cum Commercial development Project.*Committee noted that, the project previously considered in 85th SEAC-2 meeting held on 18/01/2019 & was deferred with important observation that to submit CRZ NoC, detail storm water drain calculations & detail plan for Plantation programme. PP submitted the compliance for the same.

PP stated that, the total plot area of the project is 85,220Sq.mt with total construction area of 15,41,68 Sq.mt. (FSI-For owner : 45,955.79 sq. m. and for KDMC: 6000Sq.mt + NON FSI- 1,02,212.21Sq.mt.).And the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Residential Tower-A	Ground + 5 Parking Floors + Stilt+ 23 residential floors	89.4
Residential Tower-B	Ground + 1 Parking Floor + 28 residential floors (with 1 shop atStilt level)	89.4
Residential Tower-C	Ground + 1 Parking Floors + 10 residential floors	36.3
Residential Tower-D	Ground + 1 Parking Floors + 10 residential floors	36.3
Residential Tower-E	Ground + 1 Parking Floors + 10 residential floors	36.3
Residential Tower-F	Ground + 1 Parking Floor + 28 residential floors	89.4
Residential Tower-G	Ground + 5 Parking Floors + Stilt+ 23 residential floors	89.4
Podium Area	Ground + 6 Parking Floors + Stilt	18.6
Clubhouse	Ground + 0 Floors	6.65
KDMC Non-Residential Building	Ground + 3 Floors and Ground + 0Floors	18.2

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. It is also noted that CFO NOC stipulate ramp slope as 1:10 but for

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) PP informed that he has not proposed any construction in CRZ and prohibited area and undertook that he will not undertake any construction therein without MCZMA's clearance. PP was directed not to undertake any construction in CRZ prohibited area without specific clearance from MCZMA
2) PP to design slope of ramp to 1:12

FINAL RECOMMENDATION

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

Agenda for 89th SEAC-2 meeting scheduled on 20th February, 2019

SEAC Meeting number: 89 **Meeting Date** February 20, 2019

Subject: Environment Clearance for Expansion of Residential and Commercial project on Plot bearing CTS No. 4/2 (Sector IV), 25/A/2 (Sector VII), 16, 18, 19, 20, 21, 22 (Sector XI), 10, 11, 14-B, 14-C, 16-A, 17, 18, 19 (Sector V), 28/A & 28/B, 22/3, 22/6, 20 (pt) & 22 (pt), 18 (pt), 19 (pt) (Sector XI-A) at Powai, 11/A at Chandivali, 24/A at Tirandaz, 13-A/1/1A(PT.), 14C (PT.) & 16 A (PT.) (Sector-VI-A) & 11B/4 (Sector-XIV) Mumbai, Maharashtra by HGP Community Pvt. Ltd. (Formerly known as Lake View Developers)

Is a Violation Case: No

1.Name of Project	HGP COMMUNITY PRIVATE LIMITED (Formerly known as Lake view Developers)
2.Type of institution	Private
3.Name of Project Proponent	Mr. Bhagwan Patil
4.Name of Consultant	Dr. D. A. Patil ; Mahabal Enviro Engineers Pvt. Ltd.
5.Type of project	Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes, EC was obtained vide No. SEAC-2013/CR-97/TC.1 dated 10.04.2014 for the Plot area 9,81,004.98 m2, having FSI area 3,39,089.76 m2 and total construction area 7,26,493.67 m2.
8.Location of the project	Plot bearing CTS No. 4/2 (Sector IV), 25/A/2 (Sector VII), 16, 18, 19, 20, 21, 22 (Sector XI), 10, 11, 14-B, 14-C, 16-A, 17, 18, 19 (Sector V), 28/A & 28/B, 22/3, 22/6, 20 (pt) & 22 (pt), 18 (pt), 19 (pt) (Sector XI-A) at Powai, 11/A at Chandivali, 24/A at Tirandaz, 13-A/1/1A(PT.), 14C (PT.) & 16 A (PT.) (Sector-VI-A) & 11B/4 (Sector-XIV) Mumbai, Maharashtra by HGP Community Pvt. Ltd. (Formerly known as Lake View Developers)
9.Taluka	-
10.Village	Powai, Chandivali, Tirandaz Mumbai
Correspondence Name:	HGP COMMUNITY PRIVATE LIMITED (Formerly known as Lake view Developers)
Room Number:	-
Floor:	-
Building Name:	Olympia Central Avenue
Road/Street Name:	-
Locality:	Hiranandani Business Park
City:	Powai, Mumbai - 400076
11.Area of the project	Municipal Corporation of Greater Mumbai
12.IOD/IOA/Concession/Plan Approval Number	CE/192/BPES/AS dated 28/03/'2018
	IOD/IOA/Concession/Plan Approval Number: CE/192/BPES/AS dated 28/03/'2018
	Approved Built-up Area: 661914.78
13.Note on the initiated work (If applicable)	The construction is going on as per EC received vide No. SEAC-2013/CR-97/TC.1 dated 10.04.2014
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	To be applied
15.Total Plot Area (sq. m.)	10,07,620.00 m2
16.Deductions	2,13,955.21 m2
17.Net Plot area	7,91,397.6 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 5,35,372.08 m2
	b) Non FSI area (sq. m.): 5,34,061.04 m2
	c) Total BUA area (sq. m.): 1069433.12
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 3,49,859.40 m2
	Approved Non FSI area (sq. m.): 3,12,055.38 m2
	Date of Approval: 28-03-2018
19.Total ground coverage (m2)	1,85,312.18 m2

20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	23.41%
21.Estimated cost of the project	32250000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Belicia	3B + St + Pod + 1st to 30th Floor	102.45
2	Adalia (Wing A & B)	3B + St + 1st to 31st Floor	102.55
3	Adalia (Wing C & D)	3B + St + 1st to 31st Floor	102.55
4	Tamara	3B + St + 1st to 31st Floor	102.55
5	Bianca	3B + St + 1st to 29th Floor	96.35
6	Atlantis (Wing A & B)	2B + St + 4 Pod +1st to 27th Floor	88.35
7	Atlantis (Wing C)	2B + St + 4 Pod +1 to 28th Floor	91.35
8	Maple	B + St + Pod +2nd to 17th Floor	54.15
9	Hill Grange	1B + St +1st to 22nd Floor	68.80
10	Huntsman (Castle rock) (Wing A & B)	B + St + 4 Pod + 5th to 22nd Floor	60.15
11	Huntsman (Castle rock) (Wing C & D)	3B + St + 1st to 19th Floor	69.15
12	Sorrento	2B + Gr +1st to 22nd Floor	69.75
13	Regent hill	3B + St + 1st to 23rd Floor	69.80
14	Highland	2B + St + 1st to 22nd Floor	69.95
15	Adonia II (Amber)	3B + Gr+ 1st to 27th Floor	85.35
16	Empress Hill	2B + St + 1st to 22nd Floor	69.95
17	G4 Commercial	2B +St + 1st To 14th Floor	55.80
18	Residential Building	2B + St + 1st to 22nd Floor	69.95
19	Community Center	2B + Gr + 1st to 2nd Floor	13.20
20	Already Constructed Buildings	-	-
21	Glen Ridge	Lower St + Upper St + 1 Pod 2nd to 31st Floor	105.15
22	Knowledge Park	2B + Gr+1st to 12th + 13th (Part) Floor	62.90
23	Kensington	LB + UB + St+2 Pod+3rd to 15th Floor	67.95

23.Number of tenants and shops	Flats: 4,989 Nos. Commercial: Knowledge Park and Kensington buildings already constructed and occupied, G4 and Community Centre is proposed, Commercial BUA: 1,63,782.23 m
24.Number of expected residents / users	41,323 Nos.
25.Tenant density per hectare	65/Ha
26.Height of the building(s)	

27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	The project site is accessed by 45.75 m wide Jogeshwari-Vikhroli Link Road (JVLR).
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	Yes, existing Buildings in Layout
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	MCGM
	Fresh water (CMD):	2655 KLD
	Recycled water - Flushing (CMD):	1417 KLD
	Recycled water - Gardening (CMD):	583 KLD
	Swimming pool make up (Cum):	7 KLD
	Total Water Requirement (CMD) :	4112 KLD
	Fire fighting - Underground water tank(CMD):	As per NBC
	Fire fighting - Overhead water tank(CMD):	As per NBC
	Excess treated water	657 KLD

Wet season:	**Source of water**	MCGM+RWH
	Fresh water (CMD):	2155+500 KLD
	Recycled water - Flushing (CMD):	1417 KLD
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	7 KLD
	Total Water Requirement (CMD) :	4112 KLD
	Fire fighting - Underground water tank(CMD):	As per NBC
	Fire fighting - Overhead water tank(CMD):	As per NBC
	Excess treated water	1240 KLD
Details of Swimming pool (If any)	-	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Ground water table at depth of 3 to 4 m
	Size and no of RWH tank(s) and Quantity:	RWH tanks and RWH Ponds of total capacity 500 KL
	Location of the RWH tank(s):	Ground/Basement
	Quantity of recharge pits:	The existing bore wells, dug cum bore well and percolation pits for ground water recharge
	Size of recharge pits :	2 m dia, 3 m depth
	Budgetary allocation (Capital cost) :	Rs. 87 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 4.7 Lakhs/year
	Details of UGT tanks if any :	Will be provided as per NBC at Basement/ground

35.Storm water drainage	**Natural water drainage pattern:**	The slope of the plot is towards North side
	Quantity of storm water:	The storm water generation 34.3 m3/sec
	Size of SWD:	0.30 to 0.60 m wide internal SWD drains Storm water drains of six and four feet wide size are present along the main internal roads of layout
Sewage and Waste water	**Sewage generation in KLD:**	3,574 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	18 STP's of total 4,330 KLD capacity
	Location & area of the STP:	Ground/Basement
	Budgetary allocation (Capital cost):	Rs.1,082 Lakhs
	Budgetary allocation (O & M cost):	Rs. 211 Lakhs/year

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction debris: 10,000 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:**	6,299 kg/day
	Wet waste:	9,449 kg/day
	Hazardous waste:	-
	Biomedical waste (If applicable):	-
	STP Sludge (Dry sludge):	39 kg/day
	Others if any:	-
Mode of Disposal of waste:	**Dry waste:**	Dry garbage will be disposed off to recyclers
	Wet waste:	Wet garbage will be composted using Mechanical Composting Technology and used as organic manure for landscaping.
	Hazardous waste:	-
	Biomedical waste (If applicable):	-
	STP Sludge (Dry sludge):	Sludge after dewatering will be used as manure for gardening
	Others if any:	Household E-waste generation
Area requirement:	**Location(s):**	On ground
	Area for the storage of waste & other material:	600 m2
	Area for machinery:	325 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 235 Lakhs
	O & M cost:	Rs. 104 Lakhs/year

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	RG on Ground: 1,03,462.63 m2; RG on Podium: 13,207.94 m2
	No of trees to be cut :	142 Nos.
	Number of trees to be planted :	750 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	ALBIZIA LEBBECK	Kinhai	10	As medicinal value.
2	AMOORA ROHITUKA	Rohituk	20	As medicinal value.
3	ERYTHRINA INDICA	Pangara	39	As medicinal value, Bird attractive.

4	LAGERSTROEMIA SPECIOSA	Tamhan	60	Edible, mature fruit as medicinal value, Bird and attractive.
5	MILLINGTONIA HORTENSIS	Kaval Nimb	71	As Bird attractive.
6	MIMUSOP ELENGI	Bakul	15	As medicinal value, Bird attractive.
7	PONGAMIA PINNATA	Karanj	15	Valued for its oil and repellent, having medicinal value.
8	SARACA INDICA	Sita Ashok	22	As medicinal value, Bird attractive.
9	SWIETENIA	Mahogany	35	As medicinal value, Bird attractive.
10	TERMINALIA ARJUNA	Arjuna	30	As medicinal value. produce tassar silk, a wild silk of commercial importance.
11	TREVIA NODIFLORA	Pindar	33	Bird attractive.
12	ANNONA SQUAMOSA	Sugar apple	23	Annona squamosal is as small, well-branched tree
13	ANTHOCEPHALUS CADAMBA	Kadambha	30	Shady, large tree, ball shaped flowers.
14	ARECA CATECHU	Areca nut	35	-
15	AZADIRACHTA INDICA	Neem	35	Semi-evergreen tree with medicinal value
16	BAUHINIA PURPUREA	Apta	35	Small tree with small white flowers, Butterfly host plant
17	CITRUS ACIDA	Limbu	30	Fruit Bearing Tree
18	COCOS NUCIFERA	Coconut	15	Shady tree with White flowers.
19	CANARIUM STRICTUM	Dhoop	20	As medicinal value.
20	DYPSIS MADAGASCARIENSIS	Macaw Palm	40	Flowering plant
21	ELAEIS GUINEENSIS	Oil Palm	22	-
22	EUGENIA JAMBOLANA	Jambul	25	Fruit tree attracting birds
23	FICUS BENJANMINA	Ficus	35	Flowering plant
24	Millingtonia Hortensis	Indian Cork Tree	30	A evergreen tree with white flowers
25	Michelia Champaca	Son Chafa	35	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	Tata Power
	During Construction Phase: (Demand Load)	1000 kVA
	DG set as Power back-up during construction phase	750 kVA
	During Operation phase (Connected load):	83.38 MW
	During Operation phase (Demand load):	47.14 MW
	Transformer:	28 Nos. x 1500 KVA
	DG set as Power back-up during operation phase:	17,395 kVA (6 x 380 kVA, 2 x 320 kVA, 6 x 750 kVA, 4 x 400 kVA, 4 x 600 kVA, 8 x 500 kVA, 1 x 625 kVA, 1 x 1350)
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	Nil

48.Energy saving by non-conventional method:

Solar PV Hot water to Residential Buildings
Solar PV Panels on Roof Top of Commercial Area

49.Detail calculations & % of saving:

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

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 373 Lakhs
	O & M cost:	Rs. 27 Lakhs/year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water spray for dust suppression	-	10
2	Site sanitation Facility and its maintenance	-	12
3	Potable Water Supply to Labour	-	14
4	Solid waste management	-	10
5	Disinfection	-	6

6	Safety Personal Protective Equipment	(Helmets, Safety Shoes, Safety Belt, Googles, Hand Gloves etc.)	25
7	Traffic Management (Sign Boards, Persons, at entry exit and Parking area)	-	12
8	Safety nets	-	38
9	Tyre cleaning and Vehicle maintenance	-	8
10	Safety Training to Workers (Twice in Year), Safety Officer	-	15
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

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	1082	211
2	Solar System	Weekly	373	27
3	Rainwater harvesting	During rainy season (Cleaning of RWH tanks and Filtration chamber)	87	4.7
4	Solid Waste Composting plant	Continuous O & M	235	104
5	Landscape	Daily	1166	231
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
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 accessed by 45.75 m wide Jogeshwari-Vikhroli Link road
Parking details:	**Number and area of basement:**	1, 2 and 3 basements, Total area: 11,82,114.58 m2
	Number and area of podia:	1 & 4 Podium, Total area: 40,653.33 m2
	Total Parking area:	3,19,246.3 m2
	Area per car:	29.3 m2
	Area per car:	29.3 m2
	Number of 2-Wheelers as approved by competent authority:	-
	Number of 4-Wheelers as approved by competent authority:	10,564 Nos.
	Public Transport:	-
	Width of all Internal roads (m):	Min 6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park : 2 km approx
	Category as per schedule of EIA Notification sheet	8 (b)
	Court cases pending if any	Yes, Court case in High court of Bombay, Civil application No. 36 of 2017 in PIL No. 131 of 2008
	Other Relevant Informations	The TOR is granted by Ministry of Environment, Forest and Climate Change, Delhi on 07.09.2017
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	01-08-2017

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-

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

Brief information of the project by SEAC

Representative of PP was present during the meeting along with environmental consultant M/S.Dr. D. A. Patil ;MahabalEnviro Engineers Pvt. Ltd.

It is that, the project was previously considered in 83th SEAC-2 meeting held on 18/12/2018 & PP was asked to submit following-

1) PP to submit the copy of agreement & copy of registration from registrar of companies. PP to submit the company resolution for authorised person.

2) PP to submit & upload the copy of said judgement in PIL 131/2008 & also the copy of civil application in said matter & also PP to submit "Exhibit A" filed by PP in the court.

3) PP to upload all orders given from Hon. high court time to time. PP to give gist of all Hon. High court orders in a statement format showing how each building is proposed to be constructed by keeping in mind the hon. high court orders issued in the matter. PP to clarify in writing that court stay is not applicable to proposal under consideration, if so, as told during meeting.

During the meeting, Certificate of incorporation issued by GoI & company resolution for authorized person taken on record. PP also submitted "Exhibit A" filed in PIL 131/2008. Copies of various judgments in the said civil applications are also taken on record.

It is noted that EC vide letter dated 10/4/2014 has been accorded for total construction area 7,26,493.77 sq.mt. As there is increase in plot area by 26,575.02c Sq.mt & addition of TDR component based on road width as per notification dated 2/5/2016, Now total plot area of the project is 10,07,620 Sq.mt of which FSI area is 5,35,372.08 Sq.mt.

PP submitted building wise comparative statement as per earlier EC & proposed expansion as below-

Environment Clearance as per 10.04.2014			**Proposed Expansion to E.C.**	
Building	**Configuration**	**BUA (m^2)**	**Configuration**	**BUA (m2)**
Belicia	3B + St + Pod + 1 to 30 Floor	2,28,880.27	**3B + St + Pod + 1 to 30 Floor**	**2,28,880.27**
Adalia (Wing A & B)	3B + St + 1 to 31 Floor		3B + St + 1 to 31 Floor	
Adalia (Wing C & D)	3B + St + 1 to 31 Floor		3B + St + 1 to 31 Floor	
Tamara	3B + St + 1 to 31 Floor		3B + St + 1 to 31 Floor	
Bianca	3B + St + 1 to 29 Floor		3B + St + 1 to 29 Floor	
Atlantis	3B + St + 4 Pod +1 to 25 Floor (Wing A) 3B + St + 4 Pod +1 to 26 Floor (Wing B)	1,13,673.69	2B + St + 4 Pod +5 to 27 Floor (Wing A & B)	86,468.07
			2B + St + 4 Pod+ 5 to 28 Floor (Wing C)	
Maple	B + St + Pod +1 to 15 Floor+ 16 Part Floor	23,752.99	B + St + Pod + 2 to 17 Floor	23,304.02
Hill Grange	1B + St +1 to 22 Floor	36,165.21	1B + St +1 to 22 Floor	34,170.35
Adonia II	Gr+1st Stilt+2nd Stilt+3 to 6 Floor	12,038.2	3B+Gr+ 1 to 27 Floor	59,065.18
Huntsman (New Name Castle Rock)	Basement+Gr+1st to 5th	14,910.94	B +St + 4 Pod + 5 to 22 Floor	98,298.89
			3B +St + 1 To 19 Floor	

Environment Clearance as per 10.04.2014				**New Buildings Proposed**			
Building	**Configuration**	**Height (m)**	**BUA (m^2)**	**Building**	**Configuration**	**Height (m)**	**BUA (m^2)**
Not Proposed				Sorrento	2B + Stilt +1st to 22nd Flr	69.75	6,918.82
				Regent hill	3B + Stilt +1st to 23rd Flr	69.8	95,910.34
				Highland	2B + Stilt + 1st to 22nd Flr	69.95	52,210.98
				Empress Hill	2B + Stilt + 1st to 22nd Flr	69.95	48,950.00
				G4 Commercial	2B +Gr + 1st to 14th Flr	55.8	24,004.76
				Resi. Bldg.	2B + Stilt+1st to 22nd Flr	69.95	11,642.69
				Community Center	2B + Gr +1st to 2nd Flr	13.2	2,536.40
Already Constructed Buildings				**Already Constructed Building**			
Glen Ridge	Lower St+ Upper St+1st Pod 2nd to 31st Flr.	105.15	23,632.02	Glen Ridge	Lower St + Upper St+1st Pod 2nd to 31st Flr.	105.15	23,632.02
Knowledge Park	2 Basement+Gr+1st to 12th + 13th Part Flr	62.90	65,163.17	Knowledge Park	2 B+Gr+1st to 12th + 13th (Pt.) Flr	62.90	65,163.17
Kensington	Lower Basement + Upper Basement+ St+2 Pod+3rd to 15th Flr	67.95	2,08,277.18	Kensington	LB + UB + St+2 Pod+3rd to 15th Flr	67.95	2,08,277.18
		Total	**7,26,493.67**				**10,69,433.14**

PP stated that, TOR was issued by the MoEF &CC vide dated 07.09.2017.

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

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

Specific Conditions by SEAC:

1) PP to abide by Hon. court orders issued in various civil applications.
2) PP to submit the Architect Certificate regarding building wise construction done on site along with building cross sections with reference to EC dated 10.4.2014.

FINAL RECOMMENDATION

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

Agenda for 89th SEAC-2 meeting scheduled on 20th February, 2019

SEAC Meeting number: 89 **Meeting Date** February 20, 2019

Subject: Environment Clearance for Proposed development and construction of IT Park

Is a Violation Case: Yes

1.Name of Project	Proposed development and construction of IT Park on Plot No. 3, TTC Industrial Area, MIDC, Airoli, Navi Mumbai, Maharashtra by Mindspace Business Parks Private Limited (Formerly known as Serene Properties Private Limited)
2.Type of institution	Private
3.Name of Project Proponent	Mindspace Business Parks Private Limited
4.Name of Consultant	Aditya Environmental Services Pvt. Ltd.
5.Type of project	IT park
6.New project/expansion in existing project/modernization/diversification in existing project	Amendment
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes, received vide letter no. 21- 268/2007 IA.III dated August 23, 2007.
8.Location of the project	Plot No. 3, TTC Industrial Area, MIDC, Airoli, Navi Mumbai.
9.Taluka	Thane
10.Village	Airoli
Correspondence Name:	Plot No. C-30
Room Number:	Block 'G'
Floor:	6th floor
Building Name:	Raheja Tower
Road/Street Name:	Next to Bank of Baroda
Locality:	Bandra-Kurla Complex
City:	Bandra (East)
11.Area of the project	MIDC
12.IOD/IOA/Concession/Plan Approval Number	Approval no.: DE/MHP(C) /3/IFMS/B-65206 dated 03/06/2015.
	IOD/IOA/Concession/Plan Approval Number: Approval no.: DE/MHP(C) /3/IFMS/B-65206 dated 03/06/2015.
	Approved Built-up Area: 352848.13
13.Note on the initiated work (If applicable)	Work has been initiated as per EC granted dated 23rd August 2007.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	202740.00
16.Deductions	3142.20
17.Net Plot area	199597.80
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 352848.13
	b) Non FSI area (sq. m.): 139876.07
	c) Total BUA area (sq. m.): 492724.20
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 352848.13
	Approved Non FSI area (sq. m.): 139876.07
	Date of Approval: 03-06-2015
19.Total ground coverage (m2)	66689.29
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	32.89
21.Estimated cost of the project	13237400000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building No. 1 to 4 & 7	Stilt + 3 Parking + 8 Office Floors	44.90
2	Building No. 5 & 6	Stilt + 2 Parking + 8 Office Floors	42.00
3	Building No. 8	Stilt + 7 Office Floors	32.05
4	Building No. 9, 10, 11 & 12	Stilt + 1 Parking + 8 Office Floors	40.85
5	Building No. 14A	Stilt + 1 Parking + 8 Office Floors	40.85
6	Support Service Like Club house, Security Cabin etc.	max. G + 1	8.4

23.Number of tenants and shops	Not applicable as it's an IT project.
24.Number of expected residents / users	Users: 70570 nos.
25.Tenant density per hectare	Not applicable as it is an IT project.
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 plot is abutting to existing 45 mt. 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	Min.9 mts
29.Existing structure (s) if any	We have completed construction of 13 IT/ ITES buildings with support services.
30.Details of the demolition with disposal (If applicable)	No previous structure to be demolish.

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	Maharashtra Industrial Development Corporation (MIDC) & treated water from Sewage treatment plant
	Fresh water (CMD):	1411
	Recycled water - Flushing (CMD):	1764
	Recycled water - Gardening (CMD):	97
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	3824
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	35
	Excess treated water	0
Wet season:	**Source of water**	Maharashtra Industrial Development Corporation (MIDC) & treated water from Sewage treatment plant
	Fresh water (CMD):	1411
	Recycled water - Flushing (CMD):	1764
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	3824
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	35
	Excess treated water	0
Details of Swimming pool (If any)	Not Applicable	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	3 mts.
	Size and no of RWH tank(s) and Quantity:	13 RWH tanks of total capacity 1117 cum
	Location of the RWH tank(s):	Underground
	Quantity of recharge pits:	13 no. of recharge pits
	Size of recharge pits :	4mt x 4 mt x 4 mt
	Budgetary allocation (Capital cost) :	400 lakhs
	Budgetary allocation (O & M cost) :	70 lakhs
	Details of UGT tanks if any :	Fire underground tank: 300 cmd Firefighting overhead tank: 35 cmd
35.Storm water drainage	**Natural water drainage pattern:**	The natural drain will be maintained at site
	Quantity of storm water:	1.72 cum/sec
	Size of SWD:	0.6 m x 0.6 m wide
Sewage and Waste water	**Sewage generation in KLD:**	2541
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	13 STP of total capacity 2885 KLD
	Location & area of the STP:	Below ground
	Budgetary allocation (Capital cost):	900 lakhs
	Budgetary allocation (O & M cost):	68 lakhs
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Not applicable
	Disposal of the construction waste debris:	sold to authorized dealers.
Waste generation in the operation Phase:	**Dry waste:**	11901 Kg/ day
	Wet waste:	4761 Kg/day
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	305 Kg/day
	Others if any:	Not Applicable

Mode of Disposal of waste:	**Dry waste:**	Dry garbage has been handed over to the authorized recycler.
	Wet waste:	OWC units has been installed on site to compost wet waste
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Will be dried and used as manure.
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	Ground floor
	Area for the storage of waste & other material:	included in machinery area
	Area for machinery:	600 sq. m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	60 lakhs
	O & M cost:	16 lakhs

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

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

43.Green Belt Development	**Total RG area :**	19,959.78 sq.m
	No of trees to be cut :	232 Nos
	Number of trees to be planted :	1996 Nos
	List of proposed native trees :	Attached as Annexure I
	Timeline for completion of plantation :	Already planted on site

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	Attached as Annexure I	Attached as Annexure I	Attached as Annexure I	Attached as Annexure I
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	Attached as Annexure I	Attached as Annexure I	Attached as Annexure I

47.Energy

Power requirement:	**Source of power supply :**	Mindspace Serene Electricity Distribution Licensee
	During Construction Phase: (Demand Load)	130 KW
	DG set as Power back-up during construction phase	77 KW
	During Operation phase (Connected load):	31850 KVA
	During Operation phase (Demand load):	19250 KVA
	Transformer:	24 x 2000 KVA & 2 x 1500 KVA provided already on site.
	DG set as Power back-up during operation phase:	30 x 1010 KVA, 6 x 1110 KVA, 4 x 2000 KVA, 3 x 1500 KVA of total capacity 49,460 KVA.,2x750 KVA stand by DG
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	Not Applicable

48.Energy saving by non-conventional method:

LED lights for staircase & passage area

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Bldg. 1	21.26%

2	Bldg. 2	16.50%
3	Bldg.3	19.70%
4	Bldg. 4	19.30%
5	Bldg. 5 & 6	19.80%
6	Bldg.8	19.50%
7	Bldg. 9	19.20%
8	Bldg. 10	20.20%
9	Bldg. 11	20.20%
10	Bldg. 12	20.20%
11	Bldg. 14	19.50%

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	2000 lakhs
	O & M cost:	1000 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	NA	NA	NA

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	NA	900	68
2	Solid Waste Management	NA	60	16
3	Rain Water Harvesting	NA	400	70
4	Landscape	NA	500	45
5	Environmental Monitoring cell	NA	0	35

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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
NA	NA	NA	NA	NA	NA	NA	NA

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	The site is directly connected to Thane Belapur road.
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	139876.07 sq.m
	Area per car:	32 sq.m
	Area per car:	32 sq.m
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	6779 nos. (Covered parking: 4365 nos.)
	Public Transport:	NA
	Width of all Internal roads (m):	30 mtrs.
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	8 (b)
	Court cases pending if any	Not Applicable
	Other Relevant Informations	This project is LEED Gold certified by IGBC.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	07-09-2017

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

It is noted that proposal under consideration is Of Violation Of EIA Notification 2006, as amended defined in MOEF & CC notification dated 14th March 2017 & 8th March 2018. ToR has been approved for the proposal in 71th SEAC-2 meeting held on 01-10-2018.

DECISION OF SEAC

It is noted that proposal under consideration is Of Violation Of EIA Notification 2006, as amended defined in MOEF & CC notification dated 14th March 2017 & 8th March 2018. ToR has been approved for the proposal in 71th SEAC-2 meeting held on 01-10-2018.

Department of Environment has constituted a Committee for formulating Guidelines to Consideration of proposal involving violation of EIA notification, 2006 amended till date in order to asses for the Environmental Damage and for Estimation of Remediation Costs for Building Construction Projects on similar Parameters to avoid any discrepancies. SEAC-2 has been discussed the said guidelines & accordingly additional ToR of remediation plan and natural & community resource augmentation plan. has been finalised in 87th SEAC-2 meeting held on 7/02/2019 committee instructed PP to carry out EIA as per ToR approved & also follow the format which was uploaded & available on website in public domain under 'Public Document of ec website (ec.mpcb.in)

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

Agenda for 89th SEAC-2 meeting scheduled on 20th February, 2019

SEAC Meeting number: 89 **Meeting Date** February 20, 2019

Subject: Environment Clearance for Proposed Residential & Commercial Project at Land bearing S. No. 180, 181/2, 185/1 to 12, 186, 187/B, 188/Pt, 190, 191, 192, 193, 194, 196, 197, 199, 201, 202, 203, 204/1, 2, 3 & 4 205/1, 2, 3, 4, 5, 6 & 7, 206, 207, 208/1, 2, 3, 4 to 8, 209, 210/1, 2, 3, 211/2, 3, 6 & 7/Pt., 212, 213/1, 214/3, 215/Pt.215/Pt., 216/1,2&4,219/2, 220/Pt.221/1&2, 222/3, 223/1, 223/2, 224/1 & 250/Pt., 250/Pt., 251, 254, 255/1 to 4, 257/1, 259/1 260/Pt. & 260/Pt., 261 & 263, Village: Nilemore, Tal:Vasai, Dist.: Thane.

Is a Violation Case: Yes

1.Name of Project	Anil R. Gupta
2.Type of institution	Private
3.Name of Project Proponent	Anil R. Gupta
4.Name of Consultant	Dr. D. A. Patil; Mahabal Enviro Engg. Pvt. Ltd.
5.Type of project	Residential & Commercial Project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	At Land bearing S. No. 180, 181/2, 185/1 to 12, 186, 187/B, 188/Pt, 190, 191, 192, 193, 194, 196, 197, 199, 201, 202, 203, 204/1, 2, 3 & 4 205/1, 2, 3, 4, 5, 6 & 7, 206, 207, 208/1, 2, 3, 4 to 8, 209, 210/1, 2, 3, 211/2, 3, 6 & 7/Pt., 212, 213/1, 214/3, 215/Pt.215/Pt., 216/1,2&4,219/2, 220/Pt.221/1&2, 222/3, 223/1, 223/2, 224/1 & 250/Pt., 250/Pt., 251, 254, 255/1 to 4, 257/1, 259/1 260/Pt. & 260/Pt., 261 & 263, Village: Nilemore, Tal:Vasai, Dist.: Thane., Maharashtra
9.Taluka	Vasai
10.Village	Nilemore
Correspondence Name:	Anil R. Gupta
Room Number:	D-II/ 1 & 2
Floor:	-
Building Name:	Aakansha Commercial Complex
Road/Street Name:	Achole Road
Locality:	Opp. HDFC Bank, Nallasopara (E)
City:	Nallasopara (E), Vasai Virar
11.Area of the project	Vasai Virar city Municipal Corporation (VVCMC)
12.IOD/IOA/Concession/Plan Approval Number	VVCMC/TP/2655/2015-16 dt. 01/12/2015
	IOD/IOA/Concession/Plan Approval Number: CIDCO/VVSR/RDP/BP-4142/W/5524 dated 23/09/2009, CIDCO/VVSR/CC/BP-4474&4475/W/5699 dated 22/01/2010, VVCMC/TP/RDP/BP-04473/076/2011-12 dated 09/08/2011, VVCMC/TP/CC/VP-0310/1681 dated 31/10/2011, VVCMC/TP/RDP/VP-125/127/2011-12 dt 31/10/2011, VVCMC/TP/CC/VP-0420/134/2011-12 dt. 18/11/2011, VVCMC/TP/CC/VP-0301/1681 dt. 28/11/2011, VVCMC/TP/RDP/VP-0300/1690/2012-13 dt. 29/11/2011, VVCMC/TP/CC/VP-0238/1740 dt. 07/12/2011, VVCMC/TP/CC/VP-0239/2035 dt. 06/01/2012, VVCMC/TP/CC/VP-0193-0359/308/2012-13 dt. 05/05/2012, VVCMC/TP/RDP/VP-111/0302-1/2013-14 dt. 16/12/2013, VVCMC/TP/2655/2015-16 dt. 01/12/2015
	Approved Built-up Area: 688154.56
13.Note on the initiated work (If applicable)	FSI Area: 277568.71 m2 Construction area: 463274.76 m2 Case is filed against us vide no. 88/2015 before JMFC, Vasai Court for violation of EIA Notification 2006
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Amenities Total area As per order no. VVCMC/TP/RDP/VP-111/0302-1/2013-14 Dt- 16/12/2013• Amenity area as per the approved RDP Order No.VVCMC/TP/RDP/VP-111/063/2017-18 Dated 14/08/2017 (PS, HS-1 & 2)
15.Total Plot Area (sq. m.)	378746.39 m2
16.Deductions	147406.05 m2
17.Net Plot area	231340.34 m2

18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 402290.21 m2
	b) Non FSI area (sq. m.): 285864.35 m2
	c) Total BUA area (sq. m.): 688154.56
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 402290.21 m2
	Approved Non FSI area (sq. m.): 285864.35
	Date of Approval: 01-12-2015
19.Total ground coverage (m2)	66371.54
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	28.69 %
21.Estimated cost of the project	8990000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Primary School	G + 7F	29.40 m
2	35 WINGS	G + 12 F	38.15 m
3	High School No. 1 & 2	G + 7 (pt)	29.40 m
4	Hospital	B+G + 3F	15.90 m
5	170 Wings	G + 7F	23.90 m
6	75 Wings	G + 9F	29.60 m
7	Market	G + 3F	14.00

23.Number of tenants and shops	Flats: 17610 nos. Shops: 1035 Nos. Hall & office: 148 Nos. Hospital, Primary School and High School & Market buildings
24.Number of expected residents / users	93,789 Nos.
25.Tenant density per hectare	465 Nos./ha
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	The project site is accessed by 30m wide Virar-Nallasopara Road on the west side
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	Nil
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	VVCMC
	Fresh water (CMD):	8044 KLD
	Recycled water - Flushing (CMD):	4374 KLD
	Recycled water - Gardening (CMD):	235 KLD
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	12183 CMD
	Fire fighting - Underground water tank(CMD):	As per fire NOC
	Fire fighting - Overhead water tank(CMD):	As per fire NOC
	Excess treated water	6890
Wet season:	Source of water	VVCMC
	Fresh water (CMD):	7192 KLD
	Recycled water - Flushing (CMD):	4074 KLD
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	
	Total Water Requirement (CMD) :	11987
	Fire fighting - Underground water tank(CMD):	As per fire NOC
	Fire fighting - Overhead water tank(CMD):	As per fire NOC
	Excess treated water	7125
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	2 -3 m
	Size and no of RWH tank(s) and Quantity:	13 RWH Tanks of total capacity 1450 KLD
	Location of the RWH tank(s):	Ground
	Quantity of recharge pits:	Nil
	Size of recharge pits :	Nil
	Budgetary allocation (Capital cost) :	Rs. 110 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 6 Lakhs/year
	Details of UGT tanks if any :	Below ground
35.Storm water drainage	**Natural water drainage pattern:**	Towards South west side
	Quantity of storm water:	16,624 m3/hr
	Size of SWD:	1) 450 X 450 mm 2) 450 X 600 mm 3) 600 X 650 mm 4) 750 X 900 mm wide channel
Sewage and Waste water	**Sewage generation in KLD:**	11379 KLD
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	4 STP's with total capacity of 12000 KLD
	Location & area of the STP:	Ground
	Budgetary allocation (Capital cost):	Rs. 1200 Lakhs
	Budgetary allocation (O & M cost):	Rs. 240 Lakhs/y
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction debris generation: 15252 m3
	Disposal of the construction waste debris:	The construction debris will be utilized at site for Road Paving and plinth filling
Waste generation in the operation Phase:	**Dry waste:**	18069 kg/d
	Wet waste:	27104 kg/d
	Hazardous waste:	NA
	Biomedical waste (If applicable):	1470 kg/month
	STP Sludge (Dry sludge):	114 m3/day
	Others if any:	-

Mode of Disposal of waste:	**Dry waste:**	Dry garbage will be segregated & disposed off to recyclers
	Wet waste:	Wet garbage will be composted using Mechanical Composting Technology and used as organic manure for landscaping.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	Handed over to MPCB authorized agency for safe disposal
	STP Sludge (Dry sludge):	Sludge use as manure for gardening
	Others if any:	-
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	1350 m2
	Area for machinery:	675 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 120 Lakhs
	O & M cost:	Rs. 50 Lakhs/year

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

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

43.Green Belt Development	**Total RG area :**	47085.07 m2
	No of trees to be cut :	0
	Number of trees to be planted :	3000 Nos.
	List of proposed native trees :	As Mentioned Below
	Timeline for completion of plantation :	2 Years

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadirachta Indica	Neem	118 Nos.	Large tree, good for roadside plantation
2	Albizia Lebbeck	Sirish	126 Nos.	Shady tree, yellowish green fragrant flowers
3	Alstonia Scholaris	Saptaparn	105 Nos.	An evergreen Tree
4	Bauhinea Purpurea	Kanchan	78 Nos.	A Pink butterfly tree
5	Erythrina Indica	Pangara	135 Nos.	Medium sized deciduous tree. Bright scarlet flowers.
6	Peltophorum Ferruguneum	Copper Pod Tree	105 Nos.	A Ornamental tree
7	Cassia Fistula	Bahava	93 Nos.	Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plant
8	Lagestromia Speciosa	Flos Reginae	96 Nos.	A flowering Plant
9	Butea Monosperma	Palas, Flame of Forest	105 Nos.	Medium sized deciduous tree. Beautiful orange flowers, Butterfly host plant
10	Pongamia Pinnata	Karanj	87 Nos.	Shady tree.
11	Milligtonia Hortensis	Indian Cork Tree	102 Nos.	An evergreen tree with white flowers
12	Terminilia Coniata	Arjun	90 Nos.	A evergreen avenue tree
13	Brassia Actinophylla	Umbrella Plant	99 Nos.	A large ornamental tree
14	Mimosups Elengii	Bakul	108 Nos.	Shady tree, small white fragrant flowers
15	Plumeria Alba	Chapha	84 Nos.	Medium sized evergreen tree, fragrant white flowers, Butterfly host plant
16	Bambusa Vulgaris	Golden Bamboo Verigated	81 Nos.	-
17	Anthocephallus Cadamba	Kadamb	106	Shady, large tree, ball shaped flowers.
18	Erythrina Indica	Pangara	99	Medium sized deciduous tree. Bright scarlet flowers.
19	Nefium Indicun	Kanher	110	A small flowering plant
20	Cocos Nucifera	Coconut	84	A fruit bearing tree

21	Lagerstroemia Flos Regineae	Tamhan	123	State flower tree of Maharashtra Medium sized tree, beautiful purple flowers
22	Murraya Paniculata	Kunti	90	Small tree, Fragrant white flowers, Butterfly host plant
23	Acacia Catechu	Khair	125	A deciduous, thorny tree
24	Aegle Marmelos	Bel	102	small to medium-sized tree with medicinal and spiritual value
25	Alangium Salvifolium	Ankol	99	A flowering plant
26	Mangifera Indica	Mango	102	An evergreen fruit bearing tree
27	Syzygium Cumini	Jamun	105	A fruit bearing tree
28	Psidium Guajava	Guava	108	A evergreen fruit bearing tree
29	Manilkara Zapota	Chiku	90	A small evergreen fruit bearing tree
30	Annona Reticulata	Custard Apple	45	A fruit bearing 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 :**	MSEDCL
	During Construction Phase: (Demand Load)	1000 W
	DG set as Power back-up during construction phase	500 W
	During Operation phase (Connected load):	-
	During Operation phase (Demand load):	45 MW
	Transformer:	-
	DG set as Power back-up during operation phase:	8250 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	-

48.Energy saving by non-conventional method:

• Natural shading through elevation features to minimize heat gain and reduce air-conditioning requirement
• Use of AC and façade system to reduce heat gain and power consumption
• Use of low-e glass to reduce power requirement
• Large central atriums for natural cross-ventilation
• Solar lighting in common areas, garden and road
• Solar hot water for residential buildings
• Solar street lights will be proposed
• Energy efficient lighting fixtures (LED lights) to all buildings

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total Energy Saving	20.5%

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. 1275 Lakhs
	O & M cost:	Rs. 60 Lakhs/y

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 (One water Tanker to spray water)	-	9
2	Site sanitation (Toilets)	-	13
3	Environmental Monitoring	(As per the CPCB guidelines through MoEF Approved laboratories – Ambient Air-RSPM, PM2.5, SO2, NOx, CO), Noise: Leq day time and Night Time)	5
4	Portable Water Supply to Labour Camp	-	9
5	Health check-up & first aid	-	7
6	Safety Personal Protective Equipment (Helmets, Safety Shoes, Safety Belt, Goggles, Hand Gloves etc.)	-	15
7	Traffic Management (Sign Boards, Persons at entry exit and Parking area)	-	4
8	Safety nets	-	20
9	Tyre cleaning and Vehicle maintenance	-	5

10	Solid Waste Management & Site maintenance activity	-	7
11	Safety - Training to Workers (Twice in Year), Safety Officer	-	8
12	Total Cost	-	102

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 Environment Monitoring: Monthly, STP outlet water quality for pH, BOD, COD, SS, FC, Nitrate, Phosphate and O&G	1200	240
2	Solar System	Quarterly	1275	60
3	Solid waste management	Continuous O & M	540	150
4	Rainwater harvesting	During rainy season (cleaning of SWD, Contour trenches and filtration units before rainy season)	110	6
5	Landscape	Daily	450	50
6	Environmental Monitoring	As per the CPCB guidelines through MoEF Approved laboratories	-	3
7	Total Cost	-	3575	509

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

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

52.Any Other Information

No Information Available

53.Traffic Management

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

Parking details:	**Number and area of basement:**	1 basement for hospital bldg.: 5792.54 m2
	Number and area of podia:	-
	Total Parking area:	1,83,345 m2
	Area per car:	25.4 m2
	Area per car:	25.4 m2
	Number of 2-Wheelers as approved by competent authority:	17554 Nos.
	Number of 4-Wheelers as approved by competent authority:	5145 Nos.
	Public Transport:	-
	Width of all Internal roads (m):	Min 6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Tungareshwar Wildlife sanctuary: 6.8 km
	Category as per schedule of EIA Notification sheet	8 (a)
	Court cases pending if any	Case is filed against us vide no. 88/2015 before JMFC, Vasai Court for violation of EIA Notification 2006
	Other Relevant Informations	NA.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	13-04-2017

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

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

Brief information of the project by SEAC

It is noted that proposal under consideration is of Violation of EIA Notification 2006, as amended defined in MoEF & CC notification dated 14th March 2017 & 8th March 2018. ToR has been approved for the proposal in 62nd (Part A)SEAC-2 meeting held on 07-06-2018.

DECISION OF SEAC

It is noted that proposal under consideration is of Violation of EIA Notification 2006, as amended defined in MoEF & CC notification dated 14th March 2017 & 8th March 2018. ToR has been approved for the proposal in 62nd (Part A)SEAC-2 meeting held on 07-06-2018.

Department of Environment has constituted a Committee for formulating Guidelines to Consideration of proposal involving violation of EIA notification, 2006 amended till date in order to asses for the Environmental Damage and for Estimation of Remediation Costs for Building Construction Projects on similar Parameters to avoid any discrepancies. SEAC-2 has been discussed the said guidelines& accordingly additional ToRof remediation plan and natural & community resource augmentation plan.has been finalised in87th SEAC-2 meeting held on 7/02/2019committee instructed PP to carry out EIA as per ToR approved &also follow the format which was uploaded & available on website in public domain under 'Public Document of ec website (ec.mpcb.in)

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

Agenda for 89th SEAC-2 meeting scheduled on 20th February, 2019

SEAC Meeting number: 89 **Meeting Date** February 20, 2019

Subject: Environment Clearance for Industrial I. T. Building Project Viz. CTS No. 105, 105/1 to 38, 105/39 (pt), 105/39 (pt), 105/40-41, 105/42, 105/44 (pt), 106, 107 of Village Hariyali, L.B.S. Marg, Vikhroli (W), Mumbai, Maharashtra Proposed by Vikhroli Corporate Park Pvt. Ltd.

Is a Violation Case: Yes

1.Name of Project	Vikhroli Corporate Park Pvt. Ltd.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Sandeep Tapadia; Vikhroli Corporate Park Pvt. Ltd.
4.Name of Consultant	Dr. D. A. Patil; Mahabal Enviro Engg. Pvt. Ltd.
5.Type of project	Industrial IT Park
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	CTS No. 105, 105/1 to 38, 105/39 (pt), 105/39 (pt), 105/40-41, 105/42, 105/44 (pt) , 106, 107 of Village Hariyali, L.B.S. Marg, Vikhroli (W), Mumbai, Maharashtra
9.Taluka	Kurla
10.Village	Hariyali
Correspondence Name:	Mr. Sandeep Tapadia; Vikhroli Corporate Park Pvt. Ltd.
Room Number:	-
Floor:	-
Building Name:	247 Park, Tower B
Road/Street Name:	LBS Marg
Locality:	Vikhroli (w)
City:	Mumbai- 400083
11.Area of the project	Municipal Corporation of Greater Mumbai (MCGM)
12.IOD/IOA/Concession/Plan Approval Number	IOD dt 23.06.2006; CC dt 15.10.2006.
	IOD/IOA/Concession/Plan Approval Number: IOD dt 23.06.2006; CC dt 15.10.2006.
	Approved Built-up Area: 173384.36
13.Note on the initiated work (If applicable)	Total Constructed Work (FSI+ Non FSI) - Tower A: FSI: 79735 m2; Total Constructed area: 169712 m2
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	IOD dt 23.06.2006 CC dt 15.10.2006.
15.Total Plot Area (sq. m.)	50636 m2
16.Deductions	6029.96 m2
17.Net Plot area	44600 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 83,408.18 m2
	b) Non FSI area (sq. m.): 89,976.18 m2
	c) Total BUA area (sq. m.): 173384.36
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 83,408.18 m2
	Approved Non FSI area (sq. m.): 89,976.18 m2
	Date of Approval: 23-06-2006
19.Total ground coverage (m2)	13826
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	31%
21.Estimated cost of the project	3800000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building No. 1 (Tower A)	2 Basements+ Ground Floor + 2 Podiums+ 11 Floor	52.8 m
2	Building No. 1 (Tower B)	2 Basements + Ground Floor+2 Podiums + 14 Floor	60.5 m
3	Building No. 1 (Tower C)	2 Basements+ Ground Floor + 2 Podiums+ 11 Floor	52.8 m
4	Building No. 2	Gr+2	12.6 m

23.Number of tenants and shops	building is the Industrial IT Park
24.Number of expected residents / users	7200 nos.
25.Tenant density per hectare	-
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	The proposed project site is accessible by 36.60 m wide LBS Road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Min 9 m
29.Existing structure (s) if any	3 Existing buildings will be demolished Gr+4, Gr+3 & Gr+1
30.Details of the demolition with disposal (If applicable)	Debris Generation: 300 m3

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	MCGM
	Fresh water (CMD):	108 KLD
	Recycled water - Flushing (CMD):	313 KLD
	Recycled water - Gardening (CMD):	13 KLD
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	324 KLD
	Fire fighting - Underground water tank(CMD):	260 KLD
	Fire fighting - Overhead water tank(CMD):	260 KLD
	Excess treated water	0 KLD
Wet season:	**Source of water**	MCGM
	Fresh water (CMD):	108 KLD
	Recycled water - Flushing (CMD):	313 KLD
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	324 KLD
	Fire fighting - Underground water tank(CMD):	260 KLD
	Fire fighting - Overhead water tank(CMD):	260 KLD
	Excess treated water	13 KLD
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	4 to 5 m
	Size and no of RWH tank(s) and Quantity:	four Recharge pits are provided
	Location of the RWH tank(s):	-
	Quantity of recharge pits:	Recharge pits are provided
	Size of recharge pits :	2000 MM Dia
	Budgetary allocation (Capital cost) :	Rs. 30 Lakh
	Budgetary allocation (O & M cost) :	Rs. 3 Lakh/y
	Details of UGT tanks if any :	Basement
35.Storm water drainage	**Natural water drainage pattern:**	The natural Slope of Plot is towards east side
	Quantity of storm water:	5876 m3/hr
	Size of SWD:	600 mm wide channels
Sewage and Waste water	**Sewage generation in KLD:**	313 KLD
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	Total Capacity: 400 m3
	Location & area of the STP:	Basement
	Budgetary allocation (Capital cost):	Rs. 150 Lakh
	Budgetary allocation (O & M cost):	Rs. 24 Lakh/y

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction debris
	Disposal of the construction waste debris:	The construction debris will be disposed as per the “Construction and Demolition and Desilting Waste (Management and Disposal) Rules 2006.
Waste generation in the operation Phase:	**Dry waste:**	576 kg/day
	Wet waste:	864 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	3 m3/d
	Others if any:	E waste: 4.5 Ton/yr

Mode of Disposal of waste:	**Dry waste:**	Dry garbage will be segregated & disposed off to recyclers
	Wet waste:	Wet garbage will be composted using Mechanical Composting system and used as organic manure for landscaping.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Sludge is used as manure for gardening
	Others if any:	E waste will be given to authorized recyclers
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	40 m2
	Area for machinery:	30 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 20 Lakh
	O & M cost:	Rs. 10 Lakh/year

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	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 :**	2500 m2
	No of trees to be cut :	Nil
	Number of trees to be planted :	Existing trees: 383 Nos. Trees to be Planted: 78 Nos.
	List of proposed native trees :	As Mention Below
	Timeline for completion of plantation :	2 years

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Pongamia Pinnata	Karanj	12	Shady tree.
2	Acacia Auriculiformis	Acacia	17	An evergreen tree
3	Erythrina Indica	Pangara	14	Medium sized deciduous tree. Bright scarlet flowers.
4	Albiza Lebbeck	Shirish	16	Shady tree, yellowish green fragrant flowers
5	Alstonia Scholaris	Satwin	19	Shady Tree, white fragrant flowers
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	Reliance
	During Construction Phase: (Demand Load)	250 kVA
	DG set as Power back-up during construction phase	150 kVA
	During Operation phase (Connected load):	8076 kW
	During Operation phase (Demand load):	4375.98 kW
	Transformer:	1. Utility Building – 2000 KVA, Make : Voltamp – 3 nos. (Property of VCPPL) 2. Tower B – 2000 KVA - 1 nos. (Property of Reliance Energy – Tenant Supply) 3. Tower B – 1500 KVA - 1 nos. (Property of Reliance Energy – Tenant Supply) 4. Tower C – 1500 KVA - 1 nos. (Property of Reliance Energy – Tenant Supply)
	DG set as Power back-up during operation phase:	7 x 1500 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	-

48.Energy saving by non-conventional method:

Energy conservation measures taken by using low energy consuming fixtures like, T5 lamps, LEDs in Lift, Lobby, and Passages
Solar lighting on street and RG area, lights proposed
Controlling of lights through motion sensors and day light sensors
Use of high energy efficient pumps for fire fighting, UG tanks and STP

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Energy conservation measures taken by using low energy consuming fixtures like, LED in Habitable area, T5 lamps, LEDs in Lift, Lobby, and Passages Solar lighting on street and RG area, lights proposed Controlling of lights through motion sensors and day light sensors Use of high energy efficient pumps for fire fighting, UG tanks and STP Total Energy Saving	20.1%

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 40 Lakh
	O & M cost:	Rs. 4 Lakh/y

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	-	2
2	Site sanitation and Potable Water Supply to Labour	-	6
3	Environmental Monitoring	-	2
4	Health check-up & first aid	-	2
5	Safety Personal Protective Equipment	-	3
6	Traffic Management (Sign Boards, Persons at entry exit and Parking area)	-	3
7	Disinfection	-	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	STP (Tertiary)	Continuous O & M Environment Monitoring: Monthly, STP outlet water quality for pH, BOD, COD, SS and O & G	150	24
2	Solar System	Weekly	40	4
3	Rainwater harvesting	During rainy season (cleaning of UG tanks and filtration units before rainy season)	30	3
4	Solid Waste Composting plant	Continuous O & M Environment Monitoring: Monthly to assess the compost quality	25	10
5	Landscape	Daily	50	5
6	Environmental Monitoring	-	-	5
7	Total	-	295	51

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	-
Parking details:	**Number and area of basement:**	2 basements with area of 42937.8 m2
	Number and area of podia:	2 Podiums with area of 23546.8 m2
	Total Parking area:	31,630 m2
	Area per car:	32 m2
	Area per car:	32 m2
	Number of 2-Wheelers as approved by competent authority:	500 Nos.
	Number of 4-Wheelers as approved by competent authority:	965 Nos.
	Public Transport:	-
	Width of all Internal roads (m):	min 6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park: 2.47 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.	Yes
	Date of online submission	21-07-2017

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

It is noted that proposal under consideration is Of Violation Of EIA Notification 2006, as amended defined in MOEF & CC notification dated 14th March 2017 & 8th March 2018. ToR has been approved for the proposal in 66thSEAC-2 meeting held on 18-08-2018.

DECISION OF SEAC

It is noted that proposal under consideration is Of Violation Of EIA Notification 2006, as amended defined in MOEF & CC notification dated 14th March 2017 & 8th March 2018. ToR has been approved for the proposal in 66thSEAC-2 meeting held on 18-08-2018.

Department of Environment has constituted a Committee for formulating Guidelines to Consideration of proposal involving violation of EIA notification, 2006 amended till date in order to asses for the Environmental Damage and for Estimation of Remediation Costs for Building Construction Projects on similar Parameters to avoid any discrepancies. SEAC-2 has been discussed the said guidelines & accordingly additional ToR of remediation plan and natural & community resource augmentation plan. has been finalised in 87th SEAC-2 meeting held on 7/02/2019 committee instructed PP to carry out EIA as per ToR approved & also follow the format which was uploaded & available on website in public domain under 'Public Document of ec website (ec.mpcb.in)

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

Agenda for 89th SEAC-2 meeting scheduled on 20th February, 2019

SEAC Meeting number: 89 **Meeting Date** February 20, 2019

Subject: Environment Clearance for Proposed Redevelopment Of Existing Building No. 1 To 7, Known As Saptarshi Co-op Hsg. Society Ltd on Plot Bearing CTS No. 475(pt) at Swadeshi Mill Compound, Chunabhatti – Sion, Mumbai.

Is a Violation Case: No

1.Name of Project	Proposed Redevelopment Of Existing Building No. 1 To 7, Known As Saptarshi Co-op Hsg. Society Ltd on Plot Bearing CTS No. 475(pt) at Swadeshi Mill Compound, Chunabhatti – Sion, Mumbai.
2.Type of institution	Private
3.Name of Project Proponent	M/s. S. B. Developers
4.Name of Consultant	M/s. Fine Envirotech Engineers
5.Type of project	MHADA Redevelopment Project.
6.New project/expansion in existing project/modernization/diversification in existing project	Redevelopment
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Plot Bearing CTS No. 475(pt) at Swadeshi Mill Compound, Chunabhatti – Sion, Mumbai.
9.Taluka	Sion
10.Village	Not applicable
11.Area of the project	Municipal Corporation of Greater Mumbai
12.IOD/IOA/Concession/Plan Approval Number	IOD obtained
	IOD/IOA/Concession/Plan Approval Number: IOD Approval Number - Composite building-CE/4440/BPES/AL and Sale building - CE/4460/BPES/AL
	Approved Built-up Area: 41737.96
13.Note on the initiated work (If applicable)	Footings and foundation work of Composite Building no-2 is in progress.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	MHADA NOC: NO.CO MB/REE/NOC/F-569/887/2014 Dated 01/08/2014.
15.Total Plot Area (sq. m.)	10305.67 sq.mt.
16.Deductions	165.06 sq.mt.
17.Net Plot area	10140.61 sq.mt.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 41737.96 sq.mt.
	b) Non FSI area (sq. m.): 25727.28 sq.mt.
	c) Total BUA area (sq. m.): 67465.24 sq.mt.
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	3850.56 sq.mt.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	37.49 %
21.Estimated cost of the project	1614500000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Sale Building No 1 – Wing A, B,C,D,E & F	Stilt + 2 Podium + 3rd to 18th Residential Floors	68.05
2	Composite Building No 2 - Wing G, H, I, J, K ,L & M	Stilt + 2 Podiums + 3rd to 16th (pt) Residential Floors	54.25

23.Number of tenants and shops	Total Tenements - 591 nos. (Sale Building (No.1) - 310 nos. and Composite Building (No.2) - 281 nos.)
24.Number of expected residents / users	Total Residents - 2955 nos. [Sale Building (No.1) - 1550 nos. and Composite Building (No.2) - 1405 nos.]
25.Tenant density per hectare	616.16 Tenements per Hectare
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	24.40 m 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	Demolished with permission
30.Details of the demolition with disposal (If applicable)	Waste will be disposed off as per rules and debris management plan given by MCGM

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	MCGM / Recycled Water
	Fresh water (CMD):	285
	Recycled water - Flushing (CMD):	157
	Recycled water - Gardening (CMD):	10
	Swimming pool make up (Cum):	10 (One time)
	Total Water Requirement (CMD) :	452
	Fire fighting - Underground water tank(CMD):	500 Cum for Sale Building (No.1) and 600 Cum for Composite Buildings (No.2)
	Fire fighting - Overhead water tank(CMD):	180 Cum for Sale Building (No.1) and 210 Cum for Composite Buildings (No.2)
	Excess treated water	135

Wet season:	**Source of water**	MCGM / Recycled Water
	Fresh water (CMD):	285
	Recycled water - Flushing (CMD):	157
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	10 (One time)
	Total Water Requirement (CMD) :	442
	Fire fighting - Underground water tank(CMD):	500 Cum for Sale Building (No.1) and 600 Cum for Composite Buildings (No.2)
	Fire fighting - Overhead water tank(CMD):	180 Cum for Sale Building (No.1) and 210 Cum for Composite Buildings (No.2)
	Excess treated water	145
Details of Swimming pool (If any)	Dimension of Swimming Pool - 21.79 m x 5.10 m	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	1m and 3m
	Size and no of RWH tank(s) and Quantity:	1 No. of RWH tank of capacity 40 cum for Sale building (No.1) and 1 No. of RWH tank of capacity 30 cum for Composite building (No.2)
	Location of the RWH tank(s):	Below Ground
	Quantity of recharge pits:	Not applicale
	Size of recharge pits :	Not applicable
	Budgetary allocation (Capital cost) :	Rs. 20 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 2 Lakhs
	Details of UGT tanks if any :	Sale Building No. 1 • Domestic UG tank capacity - 170 cum • Flushing UG tank capacity - 90 cum • Fire UG tank capacity - 500 cum • Rain water UG tank capacity - 40 cum Composite Building No. 2 • Domestic UG tank capacity - 140 cum • Flushing UG tank capacity - 70 cum • Fire UG tank capacity - 600 cum • Rain water UG tank capacity - 30 cum
35.Storm water drainage	**Natural water drainage pattern:**	With open Channels, with grating
	Quantity of storm water:	0.211 m cum/sec
	Size of SWD:	400 mm wide
Sewage and Waste water	**Sewage generation in KLD:**	355
	STP technology:	MBBR Technology (Moving Media Bio Reactor)
	Capacity of STP (CMD):	1 STP of capacity 195 KLD for Sale Building (No.1) and 1 STP of capacity 165 KLD for Composite Building (No.2)
	Location & area of the STP:	Location: Below Ground , Area of STP of Sale Building (No.1) - 153.64 sq.mt and area of STP of Composite Building (No.2) - 130.77 sq.mt.
	Budgetary allocation (Capital cost):	Rs. 174 Lakhs
	Budgetary allocation (O & M cost):	Rs. 10 Lakhs
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Debris material
	Disposal of the construction waste debris:	Debris material will be used for backfilling and leveling. Other will be disposed off as per rules and debris management.
Waste generation in the operation Phase:	**Dry waste:**	591 Kg/day
	Wet waste:	887 Kg/day
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	53 Kg/day
	Others if any:	Not applicable

Mode of Disposal of waste:	**Dry waste:**	Wastes will be handed over to authorized agency
	Wet waste:	Wastes will be composting
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Will be used as manure
	Others if any:	Not applicable
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	100 sq.mt.
	Area for machinery:	6 sq.mt.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 22 Lakhs
	O & M cost:	Rs. 2 Lakhs

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

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

43.Green Belt Development	**Total RG area :**	1322.75 sq.mt. (RG on the Ground - 827.75 sq.mt and RG on the Podium - 495 sq.mt)
	No of trees to be cut :	12
	Number of trees to be planted :	117 nos.
	List of proposed native trees :	Neem, Bhava, Shirish, Kunti, Kadamb, Sita Ashoka, Apta, Fish tail palm, Mango
	Timeline for completion of plantation :	3 Years

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Caryota urens	Fish tail palm	8	Tall evergreen tree
2	Azadirachta indica	Neem	10	Large tree, good for roadside plantation
3	Cassia fistula	Bhava	12	Medium sized deciduous tree, beautiful yellow flowers, Butterfly host plant
4	Albizia lebbeck	Shirish	14	Shady tree, yellowish green fragrant flowers
5	Murraya paniculata	Kunti	9	Small tree, Fragrant white flowers, Butterfly host plant
6	Anthocephalus cadamba	Kadamb	17	Shady tree, large deciduous tree, fast growing graceful tree, ball shaped flowers
7	Saraca asoka	Sita Ashok	34	Shady tree with red yellow flowers
8	Mangifera indica	Mango	5	Fruits bearing tree
9	Bauhinia racemosa	Apta	8	Small tree with small white flowers, butterfly host plant
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	M/s. Reliance Energy
	During Construction Phase: (Demand Load)	200 KW
	DG set as Power back-up during construction phase	150 KW
	During Operation phase (Connected load):	10378 KW
	During Operation phase (Demand load):	3687 KW
	Transformer:	Sale Building (No.1) - 2 Nos. x 1500 KVA and Composite Building (No.2) - 2 Nos. x 1000 KVA
	DG set as Power back-up during operation phase:	1 No. of DG set of capacity 825 KVA for Sale Building (No.1) and 1 No. of DG set of capacity 630 KVA for Composite Building (No.2)
	Fuel used:	Diesel (HSD)
	Details of high tension line passing through the plot if any:	Not applicable

48.Energy saving by non-conventional method:

• All lifts and pumps are proposed on VFD drives which results in 20% saving in consumption.
• All internal common area lighting are proposed to work on high energy efficient lamps (CFL) as specified in bureau of energy efficiency, which again results in saving in general consumption. The LPD is working less than 1W/m2 but still achieving the required 200LUX for ambient lighting
• 20% of the external lighting is proposed on solar. These are set of lighting which are placed at critical junction

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	External lighting on solar	S- 9636 KWH ,C-9636 KWH
2	Lifts will be with VFD drives and soft starters,	S- 169703 KWH ,C-197987KWH
3	Common Area Lighting Load	S- 50129 WH ,C-50129 KWH
4	Ventilation & Exhaust Fan Load	S- 40517 KWH ,C-39988 KWH

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 53 Lakhs
	O & M cost:	Rs. 2 Lakhs

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Environmental Monitoring	Air, Noise, Water, Biological	3

2	Sanitary Facility and Waste Water Management	Waste water	3
3	Solid Waste Management	Waste	2
4	Occupational Health and safety	Medical Checkup, PPE & First Aid Kit	5

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	1 STP of capacity 195 KLD and 1 STP of 165 KLD	174	10
2	Rain Water Harvesting System	1 RWH tank of capacity 40 Cum and 1 RWH tank of capacity 30 Cum	20	2
3	Solid Waste Management	OWC, Manpower, Colored Dustbins etc	22	2
4	Green Belt Development	RG area -1322.75 sq.mt, Tree plantation-117 nos.	18	2
5	Energy Saving Measures	...	53	2
6	Air Exhausting System	...	50	2
7	DMP	...	348.43	11.1

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

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

52.Any Other Information

No Information Available

53.Traffic Management

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

Parking details:	**Number and area of basement:**	Not applicable
	Number and area of podia:	Sale Building (No. 1) - 2 nos podiums with area 3520.86 sq.mt and Composite Building (No. 2) - 2 nos podiums with area 2634.92 sq.mt
	Total Parking area:	10532.01 sq.mt
	Area per car:	Podium -34.86 sq.mt. and Ground - 28.20 sq.mt.
	Area per car:	Podium -34.86 sq.mt. and Ground - 28.20 sq.mt.
	Number of 2-Wheelers as approved by competent authority:	156 nos.
	Number of 4-Wheelers as approved by competent authority:	545 nos.
	Public Transport:	Not applicable
	Width of all Internal roads (m):	12.20 m
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable
	Category as per schedule of EIA Notification sheet	8 a (B2) category
	Court cases pending if any	Not applicable
	Other Relevant Informations	Not applicable
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	21-11-2016

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

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

Brief information of the project by SEAC

PP & Environment Consultant were present during the meeting. Letter dated 5th January, 2019 submitted by PP was taken on record. As per letter it is noted that, the proposal was appraised by SEAC-2 for total built up area 67,465.24 Sq.mt & recommended to SEIAA in its 50th meeting held on 19/9/0216. PP further stated that, they have applied to SEIAA through online portal, but the application goes to SEAC-2. It is noted that, the proposal was listed in 57th & 76th meeting of SEAC-2 held on 16/3/2018 & 26/10/2018 respectively, wherein PP remain absent. PP clarified regarding their absence in the said meetings that as then SEAC-2 recommended their proposal, there is no need to remain present. PP uploaded all necessary documents & requested to transfer the proposal to SEIAA for further appraisal.

Considering this, Committee decided to transfer the said proposal to SEIAA for further needful after verifying the documents.

DECISION OF SEAC

Considering this, Committee decided to transfer the said proposal to SEIAA for further needful after verifying the documents.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

Agenda for 89th SEAC-2 meeting scheduled on 20th February, 2019

SEAC Meeting number: 89 **Meeting Date** February 20, 2019

Subject: Environment Clearance for Giriraj Heights - SRD project at Plot bearing Tika no. 15 C.T.S. NO - 37, 38, Tikka no. 18 C.T.S.No. - 75(pt.), 76 & 80 at Hariniwas village - Naupada , Taluka - Thane , Dist. – Thane by M/s Yash Developers

Is a Violation Case: Yes

1.Name of Project	Giriraj Heights - SRD project at Plot bearing Tika no. 15 C.T.S. NO - 37, 38, Tikka no. 18 C.T.S.No. - 75(pt.), 76 & 80 at Hariniwas village - Naupada , Taluka - Thane , Dist. – Thane by M/s Yash Developers
2.Type of institution	TOR
3.Name of Project Proponent	M/s Yash Developers
4.Name of Consultant	Enviro Analysts & Engineers Pvt. Ltd.
5.Type of project	(SRD project) Residential cum Commercial Project
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Plot bearing Tika no. 15 C.T.S. NO - 37, 38, Tikka no. 18 C.T.S.No. - 75(pt.), 76 & 80 at Hariniwas village - Naupada , Taluka - Thane , Dist. – Thane
9.Taluka	Thane
10.Village	Naupada
Correspondence Name:	M/s Yash Developers
Room Number:	-
Floor:	1st floor
Building Name:	Aajikrupa building
Road/Street Name:	Harinaiwas circle
Locality:	Naupada thane
City:	Thane
11.Area of the project	Thane Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	IOD received
	IOD/IOA/Concession/Plan Approval Number: Approved Plan No. TMC/TDD/725 V.P. No. 2005/112 dated 15.02.2010- TYPE BLDG. H , 10) Approved Plans (1/3) V.P. No. 2005/112 TMC/TDD/222 dated 10.12.2013- TYPE BLDG. J
	Approved Built-up Area: 39002
13.Note on the initiated work (If applicable)	This project is a slum rehabilitation project for which the construction started on site as per the LOI received dated 07.05.2005. (Rehab bldg A, B,C, D, E, F, G -Gr.+1st to 8th Floor,Sale bldg H-1B+St+1P+26UP.), Sale bldg J- 1B+Gr + 6th FLR.)
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Letter of Intent No. SRS/TMC/TDDfi573 dated 07.05.2005
15.Total Plot Area (sq. m.)	10257.84
16.Deductions	492.09
17.Net Plot area	8837.99
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 23174.21
	b) Non FSI area (sq. m.): 15828.23
	c) Total BUA area (sq. m.): 39002.44
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 23174.21
	Approved Non FSI area (sq. m.): 15828.23
	Date of Approval: 10-12-2013
19.Total ground coverage (m2)	2430.53
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	28%

21.Estimated cost of the project	790000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Rehab bldg A, B,C, D, E, F, G	Gr.+1st to 8th Floor	24.99 m
2	Sale bldg H	1B+St+1P+26UP.)	81.91 m
3	Sale bldg J	1B+Gr + 6th FLR.	22.90 m

23.Number of tenants and shops	504 nos.
24.Number of expected residents / users	2688 nos.
25.Tenant density per hectare	524 Tenants / hector
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	19.41 m wide D.P. road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Min. 7.5 m
29.Existing structure (s) if any	Rehab bldg A, B,C, D, E, F, G -Gr.+1st to 8th Floor,Sale bldg H-1B+St+1P+26UP.), Sale bldg J-1B+Gr + 6th FLR.
30.Details of the demolition with disposal (If applicable)	slums demolished as per approvals received

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	TMC / STP Treated water
	Fresh water (CMD):	231
	Recycled water - Flushing (CMD):	124
	Recycled water - Gardening (CMD):	8
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	355
	Fire fighting - Underground water tank(CMD):	150
	Fire fighting - Overhead water tank(CMD):	60
	Excess treated water	169
Wet season:	**Source of water**	TMC / STP Treated water
	Fresh water (CMD):	231
	Recycled water - Flushing (CMD):	124
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	347
	Fire fighting - Underground water tank(CMD):	150
	Fire fighting - Overhead water tank(CMD):	60
	Excess treated water	177
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	2-3 M
	Size and no of RWH tank(s) and Quantity:	4 nos of tanks having total capacity of 115 cu.m
	Location of the RWH tank(s):	Ground level
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Rs. 5.8 Lakh
	Budgetary allocation (O & M cost) :	Rs. 0.3 Lakh/yr
	Details of UGT tanks if any :	Domestic: 234 cum Flushing: 125 cum Fire UG tank: 300 cum
35.Storm water drainage	**Natural water drainage pattern:**	East to west
	Quantity of storm water:	1.5 m3/sec
	Size of SWD:	0.45 mm x 0.30 mm
Sewage and Waste water	**Sewage generation in KLD:**	325 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	240 KLD & 120 KLD
	Location & area of the STP:	Ground level
	Budgetary allocation (Capital cost):	Rs. 51 Lakh
	Budgetary allocation (O & M cost):	Rs. 10.20 Lakh
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction debris like soil, bricks, tiles will recycled and utilized on same site for filling
	Disposal of the construction waste debris:	• Dry waste: Will be hand over to Local Recyclers for recycling. • Wet Waste: Will be processed in the OWC. manure obtained shall be used for landscaping / Gardening, Excess manure shall be sold to nearby end users
Waste generation in the operation Phase:	**Dry waste:**	534 kg/day
	Wet waste:	771 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	20 kg/day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Will be hand over to Local Recyclers for recycling.
	Wet waste:	Will be processed in the OWC. manure obtained shall be used for landscaping / Gardening, Excess manure shall be sold to nearby end users
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	will be handed over to MPCB authorized recycler.
	Others if any:	E- waste to be handed over to authorized dealers
Area requirement:	**Location(s):**	Ground level
	Area for the storage of waste & other material:	30
	Area for machinery:	3
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 8 lakhs
	O & M cost:	Rs. 0.8 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

43.Green Belt Development	**Total RG area :**	1413.43 Sq.mt
	No of trees to be cut :	as per NOC received
	Number of trees to be planted :	71 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	Albizia saman	Rain Tree	10	flowering plant
2	Hyophorbe lagenicaulis	Bottle Palm	7	shady plant
3	Terminalia catappa	Almond	12	fruiting tree
4	Plumeria obtusa	Chafa	10	flowering plant
5	Azadirecta indica	Neem	8	medicinal tree
6	Millettia pinnata	Karanj	11	evergreen tree
7	Cassia fistula	Bahava	9	flowering plant
8	Alstonia scholaris	Saptaparni	4	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 :**	MSEDCL
	During Construction Phase: (Demand Load)	100 KW
	DG set as Power back-up during construction phase	80KVA
	During Operation phase (Connected load):	3599 KW
	During Operation phase (Demand load):	2321 KW
	Transformer:	-
	DG set as Power back-up during operation phase:	350 KVA (2 Nos.)
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

1. Common area lighting with CFL lamp
2. Use of solar PV stands alone poles with storage battery/ inverter for perimeter lighting.
3. Maximum use of CFL/T5 lamps for common areas of sale building.
4. Level control switches will be installed
5. Group control elevators
6. CO sensors controlled basement ventilators
7. Lighting conductor will be used.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total energy saving	18%

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. 66 lakhs
	O & M cost:	Rs. 6 lakhs/yr

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	air pollution	Water for Dust Suppression	5
2	health safety	Site Sanitation & Safety	15

3	Environment Monitoring	Environment Monitoring	3
4	health safety	Disinfection	10
5	Good Health Practices	Health Check up	15

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Water environment	STP	51	10.20
2	Water environment	RWH	5.8	0.3
3	Solid waste management	OWC	8	0.8
4	landscaping	landscape	3.26	1.00
5	Energy savings	solar	66	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:	1 Nos. of the junction to the main road

Parking details:	**Number and area of basement:**	334.66
	Number and area of podia:	3269.13
	Total Parking area:	-
	Area per car:	-
	Area per car:	-
	Number of 2-Wheelers as approved by competent authority:	as per TMC DCR
	Number of 4-Wheelers as approved by competent authority:	221
	Public Transport:	NA
	Width of all Internal roads (m):	6 m wide internal roads
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi national park -3.5 km (west)
	Category as per schedule of EIA Notification sheet	8(a) B2
	Court cases pending if any	No
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	30-06-2017

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; hence the project is deferred.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

Agenda for 89th SEAC-2 meeting scheduled on 20th February, 2019

SEAC Meeting number: 89 **Meeting Date** February 20, 2019

Subject: Environment Clearance for "Ostwal Orchid" Residential Cum Commercial Project at S. No. 288/3, 5, 7, 295/2, 3, 297, 1, 2,3, 5, 6, 7, 9, 10, 12, 14, 15, 298/2, 4, 6, 7, 8, 9, 10, 11, 13 of village- Navghar, Tal & Dist-Thane by Asha Enterprises

Is a Violation Case: Yes

1.Name of Project	"Ostwal Orchid" Residential Cum Commercial Project
2.Type of institution	TOR
3.Name of Project Proponent	Mr. Umraosingh P. Ostwal-Asha Enterprises
4.Name of Consultant	Mr. H.K. Desai, Enviro Analysts & Engineers Pvt. Ltd. B-1003, Enviro House Western Edge II, Behind Metro Mall Western Express Highway Borivali (E), Mumbai-400066. Tel: 2854 1647/48/49, • Email ID- info@eaepl.com
5.Type of project	Residential cum Commercial Project
6.New project/expansion in existing project/modernization/diversification in existing project	new project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	S. No. 288/3, 5, 7, 295/2, 3, 297, 1, 2,3, 5, 6, 7, 9, 10, 12, 14, 15, 298/2, 4, 6, 7, 8, 9, 10, 11, 13 of village- Navghar, Tal &Dist-Thane
9.Taluka	thane
10.Village	Navghar
Correspondence Name:	Mr. Umraosingh P. Ostwal
Room Number:	-
Floor:	-
Building Name:	Ostwal House, Asha Enterprises
Road/Street Name:	Bhayandar Road
Locality:	Opp Shivar Garden
City:	Mira Bhayandar, Mira Road (East) Thane 401107
11.Area of the project	Mira- Bhayander Municipal Corporation (MBMC)
12.IOD/IOA/Concession/Plan Approval Number	Not Applicable
	IOD/IOA/Concession/Plan Approval Number: CC wide letter No. MBMC/NR/974/2014-15
	Approved Built-up Area: 39073.79
13.Note on the initiated work (If applicable)	work completed as per approvals received from time to time
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	received sanctions from MBMC-1.CC/MBMC/NR/848/2008-09, 2. CC/MBMC/NR/849/2008-09,3.CC/MBMC/NR/2259/2009-10,4.CC/MBMC/NR/4189/2010-11,4.CC/MBMC/NR/986/2014-15,5.CC/MBMC/NR/974/2014-15
15.Total Plot Area (sq. m.)	23150.00 SQ.M.
16.Deductions	11537.83 SQ.M.
17.Net Plot area	11612.17 SQ.M.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 22546.39
	b) Non FSI area (sq. m.): 16527.40
	c) Total BUA area (sq. m.): 39073.79
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 22546.39
	Approved Non FSI area (sq. m.): -
	Date of Approval: 05-06-2015
19.Total ground coverage (m2)	-
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	-
21.Estimated cost of the project	1270000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Bldg Wing 1 to 5	G/S+10 (Occupied)	32.95
2	Bldg Wing 8	G/S+12 (Occupied)	38.75
3	Bldg Wing 9-11	S + P +14	44.95
4	Bldg Wing 12	S + P + 5	20.45
5	Bldg Wing 12	S + P + 5	20.45

23.Number of tenants and shops	No. Of tenements: Wing 1 to 5, wing 8- 278, Wing 9 to12- 235. No. Of Shops: 28

24.Number of expected residents / users	Residential- Wing 1 TO 5, Wing 8 = 1390 NOS., WING 9-12 = 1175 , TOTAL = 2565; Commercial- Wing 1 TO 5, Wing 8=84 NOS.;TOTAL=2649
25.Tenant density per hectare	222 nos. /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)	15m wide DP Road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Min 7.5 m
29.Existing structure (s) if any	construction is completed for all buildings
30.Details of the demolition with disposal (If applicable)	Not Applicable

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	MBMC
	Fresh water (CMD):	Wing 1 to 5, wing 8 = 127 Wing 9 to 12=106 Total = 233
	Recycled water - Flushing (CMD):	Wing 1 to 5, wing 8 = 66 Wing 9 to 12=52 Total = 118
	Recycled water - Gardening (CMD):	Wing 1 to 5, wing 8 = 11 Wing 9 to 12=06 Total = 17
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	Wing 1 to 5, wing 8 = 204 Wing 9 to 12=164 Total = 368
	Fire fighting - Underground water tank(CMD):	75Cum each wing
	Fire fighting - Overhead water tank(CMD):	25 cum each wing
	Excess treated water	Wing 9 to 12=75

Wet season:	**Source of water**	MBMC + Rain water
	Fresh water (CMD):	Wing 1 to 5, wing 8 = 127 Wing 9 to 12=106 Total = 233
	Recycled water - Flushing (CMD):	Wing 1 to 5, wing 8 = 66 Wing 9 to 12=52 Total = 118
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	Wing 1 to 5, wing 8 = 193 Wing 9 to 12=158 Total = 351
	Fire fighting - Underground water tank(CMD):	75Cum each wing
	Fire fighting - Overhead water tank(CMD):	25 cum each wing
	Excess treated water	Wing 9 to 12=81
Details of Swimming pool (If any)	-	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Up to 3 m
	Size and no of RWH tank(s) and Quantity:	04 Nos. (67 cum- 2 days storage)
	Location of the RWH tank(s):	below Ground level
	Quantity of recharge pits:	-
	Size of recharge pits :	-
	Budgetary allocation (Capital cost) :	Rs. 3.00 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 0.20 Lakhs
	Details of UGT tanks if any :	Location(s) of the UGT Tank(s): Underground
35.Storm water drainage	**Natural water drainage pattern:**	South to North
	Quantity of storm water:	Total actual Discharge 0.193 0.184 Based on 2 nos. of outlets 0.10 0.09 Total design discharge 0.15 0.15
	Size of SWD:	Breadth of the SWD: 0.45 m Depth of the SWD: 0.30 m

Sewage and Waste water	**Sewage generation in KLD:**	148 (wing 9-12)
	STP technology:	MBBR
	Capacity of STP (CMD):	150 KLD-(wing 9-12)
	Location & area of the STP:	at ground level
	Budgetary allocation (Capital cost):	Rs.39.00 Lakhs
	Budgetary allocation (O & M cost):	Rs. 6.00Lakhs

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Debris & excavated material generated will be disposed as per the norms by MBMC.
	Disposal of the construction waste debris:	Debris to be disposed as per MBMC debris management plan.
Waste generation in the operation Phase:	**Dry waste:**	518Kg/Day
	Wet waste:	776Kg/day
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	20kg/day
	Others if any:	-
Mode of Disposal of waste:	**Dry waste:**	To be managed through recyclers.
	Wet waste:	To be processed in the Organic Waste Converter and manure so obtained will be used for landscaping.
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	To be used as manure.
	Others if any:	-
Area requirement:	**Location(s):**	at ground level
	Area for the storage of waste & other material:	68 sq.m.
	Area for machinery:	3 sq.m. each
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 19.00 Lakhs
	O & M cost:	Rs. 3.00 Lakhs

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	Required RG: 3415.34 Sq. m (25%) ,Proposed RG: 3428.31 sq.m. (25%) ,Ground RG area = 2579.43 sq.m., Podium RG area = 848.88 sq.m.
	No of trees to be cut :	-
	Number of trees to be planted :	177 nos. on ground + 50 no.s on podium, total = 227nos.
	List of proposed native trees :	as below
	Timeline for completion of plantation :	-

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Anthocephalluscadamba	Kadamb	10	shaded
2	Alstoniascholaris	Satwin	10	shaded
3	Mimusopselengi	Bakul	12	flowering
4	Terminaliacattapa	Almond tree	8	fruiting
5	Cassia renigera	Cassia Sps	10	shaded
6	Adina cordifolia	Kadam	8	shaded
7	Albizialebbeca	Shirish	8	shaded
8	Tabernaemontanadivaricata	Tagar	12	flowering

9	Micheliachampaca	Sonchafa	12	flowering
10	Polyalthialogifolia	Asupalav	12	noise reduction
11	Callistemon sps	Australian Bottle Brush	10	shaded
12	Grevillearobusta	Silver oak	10	shaded
13	Azadirachtaindica	Neem	8	shaded
14	Ficus panda	Ficus tree	8	shaded
15	Caryotaurens	Fish Tail Palm	10	ornamental
16	Roystonearegia	Royal Palm	10	ornamental
17	Bombaxceiba	Silk cotton tree	11	shaded
18	Millingtoniahortensis	Indian Cork Tree	8	shaded
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	Bougainvillea spectabilis	-	10 nos.
2	Hibiscus rosa-sinensis	-	10 nos.
3	Gloriosasuperba	-	10 nos.
4	Woodfordiafruticosa	-	10nos.
5	Teconastans	-	10nos.

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	100 KW
	DG set as Power back-up during construction phase	100 KVA
	During Operation phase (Connected load):	1365 KW
	During Operation phase (Demand load):	840 KW
	Transformer:	-
	DG set as Power back-up during operation phase:	1 X 250 KVA, 1 X 125 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	-

48.Energy saving by non-conventional method:

1. common area lighting -raod /landscape- 60% on solar
2. parking = T5 lights
3.LED lights
4.Regenerative lifts
5.solar hot water system

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	as above	24.9 %

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.28.00 Lakhs
	O & M cost:	Rs. 2.00 Lakhs

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	AIR POLLUTION	WATER FOR DUST SUPRESSION	2.5
2	HEALTH SAFETY	SITE SANITATION	2.5
3	ENVIRONMENTAL MONITORING	ENVIRONMENTAL MONITORING	15
4	HEALTH SAFETY	DISINFECTION	3
5	GOOD HEALTH PRACTICES	HEALTH CHECK UP	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	WATER CONSERVATION	Rain Water Harvesting	3.00	0.2
2	SOLID WASTE	MSW	19.00	3.0
3	WASTE WATER	STP	39.00	6.0
4	SOLAR SAVING	Energy Conservation	28.00	2.0
5	GREEN BELT	Landscaping	40.00	3.0

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	15 m wide DP Road
Parking details:	**Number and area of basement:**	nil
	Number and area of podia:	Number and area of podia: 1Nos. -5262.09 sq.mtr.
	Total Parking area:	6366.28sq.m.
	Area per car:	29.95 sq.m.
	Area per car:	29.95 sq.m.
	Number of 2-Wheelers as approved by competent authority:	-
	Number of 4-Wheelers as approved by competent authority:	191 NOS.
	Public Transport:	-
	Width of all Internal roads (m):	6.00 m wide internal road
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi national Park = upto 4.00 km
	Category as per schedule of EIA Notification sheet	Category B, schedule 8(a)
	Court cases pending if any	-
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	07-07-2017

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

It is noted that proposal under consideration is Of Violation Of EIA Notification 2006, as amended defined in MOEF & CC notification dated 14th March 2017 & 8th March 2018. ToR has been approved for the proposal in 67th (Day -2) SEAC-2 meeting held on 01-09-2018

DECISION OF SEAC

It is noted that proposal under consideration is Of Violation Of EIA Notification 2006, as amended defined in MOEF & CC notification dated 14th March 2017 & 8th March 2018. ToR has been approved for the proposal in 67th (Day -2) SEAC-2 meeting held on 01-09-2018.

Department of Environment has constituted a Committee for formulating Guidelines to Consideration of proposal involving violation of EIA notification, 2006 amended till date in order to asses for the Environmental Damage and for Estimation of Remediation Costs for Building Construction Projects on similar Parameters to avoid any discrepancies. SEAC-2 has been discussed the said guidelines & accordingly additional ToR of remediation plan and natural & community resource augmentation plan. has been finalised in 87th SEAC-2 meeting held on 7/02/2019 committee instructed PP to carry out EIA as per ToR approved & also follow the format which was uploaded & available on website in public domain under 'Public Document of ec website (ec.mpcb.in)

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

Agenda for 89th SEAC-2 meeting scheduled on 20th February, 2019

SEAC Meeting number: 89 **Meeting Date** February 20, 2019

Subject: Environment Clearance for Environmental clearance for " YASHWANT Nagar" at S.No.343, H.No. A & B (Old S.No.343,344 & 345), Village Boling, Virar (West),Tal.- Vasai, Dist.- Thane (Since Palghar), Pin.- 401303 by M/S. Ameya Builders And Property Developers

Is a Violation Case: Yes

1.Name of Project	" YASHWANT Nagar" at S.No.343, H.No. A & B (Old S.No.343,344 & 345), Village Boling, Virar (West),Tal.- Vasai, Dist.- Thane (Since Palghar), Pin.- 401303 by M/S. Ameya Builders And Property Developers
2.Type of institution	TOR
3.Name of Project Proponent	Ameya Builders & Property Developers
4.Name of Consultant	M/s. Enviro Analysts & Engineers Pvt. Ltd. Mr. H. K Desai 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 Building
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	S.No.343, H.No. A & B (Old S.No.343,344 & 345), Village Boling, Virar (West),Tal.- Vasai, Dist.- Thane (Since Palghar), Pin.- 401303
9.Taluka	Vasai
10.Village	Bolinj
Correspondence Name:	Mr. Moreshwar K. Baria
Room Number:	1 & 2, 'A' Wing, Garden View Apartment,
Floor:	1 & 2, 'A' Wing, Garden View Apartment,
Building Name:	1 & 2, 'A' Wing, Garden View Apartment,
Road/Street Name:	P.P. Marg,
Locality:	Virar (West)
City:	Virar (West)
11.Area of the project	VVCMC (Vasai Virar City Municipal Corporation)
12.IOD/IOA/Concession/Plan Approval Number	1st cc received dated 27/02/2003 vide letter no. CIDCO/VVSR/CC/BP-2762/W/4491 and amended thereafter . latest amended c received dated 22/08/2014 vide letter no. VVCMC / TP / RDP / VP – 0147 / 0110 / 2014- 15.
	IOD/IOA/Concession/Plan Approval Number: 1st cc received dated 27/02/2003 vide letter no. CIDCO/VVSR/CC/BP-2762/W/4491 and amended thereafter . latest amended c received dated 22/08/2014 vide letter no. VVCMC / TP / RDP / VP – 0147 / 0110 / 2014- 15.
	Approved Built-up Area: 93718
13.Note on the initiated work (If applicable)	Work has been carried out on site as per cc received dated 27/02/2003 vide letter no. CIDCO/VVSR/CC/BP-2762/W/4491.and amendment thereafter Building Nos.3,4,5,6,7,8,9,10,11,12,12A,12B,14,14A,15,16,17,21,22,Row houses, club house 1 & 2 completed. for which the total construction area is 87054.51 sqm.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	1st cc received dated 27/02/2003 vide letter no. CIDCO/VVSR/CC/BP-2762/W/4491 and amended thereafter . latest amended c received dated 22/08/2014 vide letter no. VVCMC / TP / RDP / VP – 0147 / 0110 / 2014- 15.
15.Total Plot Area (sq. m.)	94,030.88
16.Deductions	17,635.43
17.Net Plot area	76,395.45
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** FSI area for entire plot-93,718.25, FSI for which EC is required - 31578.79
	b) Non FSI area (sq. m.): NoN FSI area for entire plot- 36,246.61 , NoN FSI for which EC is required - 11331.56
	c) Total BUA area (sq. m.): 129964.86

18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 93,718.25
	Approved Non FSI area (sq. m.): 36,246.61
	Date of Approval: 22-08-2014
19.Total ground coverage (m2)	25388.34 sqm
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	27 %
21.Estimated cost of the project	1300000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	R.H. NO.14 & 15	St + 2	8.82
2	Club house	G	.
3	Building 3 & 16	ST + 14	42.88
4	Building 12B	Gr. + 7	23.84
5	Building 23	St + 4	16.95

23.Number of tenants and shops	Residential: 1943 nos Shops: 134 nos Row house: 15 nos
24.Number of expected residents / users	Residential: 9715 nos Shops: 402 nos Row house: 75 nos
25.Tenant density per hectare	206 T/ha
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	12.00 m wide Yashwant Nagar Road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	7.50 m
29.Existing structure (s) if any	Work has been carried out on site as per cc received dated 27/02/2003 vide letter no. CIDCO/VVSR/CC/BP-2762/W/4491.and amendment thereafter Building Nos.3,4,5,6,7,8,9,10,11,12,12A,12B,14,14A,15,16,17,21,22,Row houses, club house 1 & 2 completed.
30.Details of the demolition with disposal (If applicable)	Not applicable

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	VVCMC / treated water from STP
	Fresh water (CMD):	923 KLD
	Recycled water - Flushing (CMD):	551 KLD
	Recycled water - Gardening (CMD):	60 KLD
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	1534 KLD
	Fire fighting - Underground water tank(CMD):	200 KL
	Fire fighting - Overhead water tank(CMD):	90 KL
	Excess treated water	0 KLD
Wet season:	**Source of water**	VVCMC / treated water from STP/RWH
	Fresh water (CMD):	923KLD
	Recycled water - Flushing (CMD):	551 KLD
	Recycled water - Gardening (CMD):	0 KLD
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	1474 KLD
	Fire fighting - Underground water tank(CMD):	200 KL
	Fire fighting - Overhead water tank(CMD):	90 KL
	Excess treated water	0 KLD
Details of Swimming pool (If any)	--	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	4 – 5 m blg
	Size and no of RWH tank(s) and Quantity:	5 nos of tanks having total capacity of 1063 cu.m
	Location of the RWH tank(s):	Ground
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Rs.78 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 3.9 Lakhs/annum
	Details of UGT tanks if any :	Location(s) of the UG tank(s) : Below ground level
35.Storm water drainage	**Natural water drainage pattern:**	W to E
	Quantity of storm water:	1.553 m3/sec
	Size of SWD:	0.45 mm x 0.30 mm
Sewage and Waste water	**Sewage generation in KLD:**	503 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	550 KLD
	Location & area of the STP:	Ground
	Budgetary allocation (Capital cost):	Rs 100 Lakhs
	Budgetary allocation (O & M cost):	Rs 15 lakhs /annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	- Topsoil will be 100 cum which will be used for landscaping. - Excavated material will be 600 cum which Will be used for plot filling, leveling, re-filling in plinth and for internal road
	Disposal of the construction waste debris:	- Topsoil will be used for landscaping. - Excavated material wWill be used for plot filling, leveling, re-filling in plinth and for internal road
Waste generation in the operation Phase:	**Dry waste:**	3093 kg/day
	Wet waste:	2323 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	25 kg/day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	To be hand over to Local Recyclers for recycling
	Wet waste:	To be processed in the OWC. Manure obtained shall be used for landscaping / Gardening, Excess manure shall be sold to nearby end users
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	To be used as a manure
	Others if any:	Ewaste will be sell to authorized dealers
Area requirement:	**Location(s):**	ground
	Area for the storage of waste & other material:	90.00 sqm
	Area for machinery:	10sqm
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs 20 Lakhs
	O & M cost:	Rs 6 lakhs /annum

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

42.Mode of Transportation of fuel to site	Not applicable

43.Green Belt Development	**Total RG area :**	RG area on Ground - 11,604 Sq.mt
	No of trees to be cut :	Nil
	Number of trees to be planted :	661 NOS
	List of proposed native trees :	same as below
	Timeline for completion of plantation :	by 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	Albizia saman	Rain Tree	.	shadey
2	Hyophorbe lagenicaulis	Bottle Palm	.	shadey
3	Cassia fistula	Bahava	.	shadey
4	Azadirecta indica	Neem	.	shadey
5	Millettia pinnata	Karanj	.	shadey
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 :**	MSEB
	During Construction Phase: (Demand Load)	100 kw
	DG set as Power back-up during construction phase	100 kva
	During Operation phase (Connected load):	14255 kw
	During Operation phase (Demand load):	8913 kw
	Transformer:	NA
	DG set as Power back-up during operation phase:	45 KVA (4 Nos.), 62.5 KVA (5 Nos.), 200 KVA (2 Nos.)
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Road/Landscape - 60% Solar Lighting
Parking - T5 lights
Lobby & staircase LED lights - 60% Solar
Solar Hot Water system
Ventilation Fan with VFD

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Overall Saving for the Project	18.3%

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. 245 Lakhs
	O & M cost:	Rs. 24 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 pollution	Water for Dust Suppression	5
2	health safety	Site Sanitation & Safety	15
3	Environment Monitoring	Environmental Monitoring	3
4	health safety	Disinfection	10
5	Good Health Practices	Health Check up	15

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	solid waste management	OWC	20	6
2	waste water management	STP	100	15
3	energy savings	Solar	245	24
4	RWH	RWH	78	3.9
5	green belt	Landscaping	75	5

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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation

Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	30m wide DP road
Parking details:	**Number and area of basement:**	1 nos 1213.51 sqm
	Number and area of podia:	nil
	Total Parking area:	.
	Area per car:	stilt – 29 sqm
	Area per car:	stilt – 29 sqm
	Number of 2-Wheelers as approved by competent authority:	790 nos
	Number of 4-Wheelers as approved by competent authority:	300 nos
	Public Transport:	NA
	Width of all Internal roads (m):	6.00 m wide
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8(a) B2
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	12-04-2018

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

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

The proposal under consideration is of violation of EIA Notification, 2006 amended time to time. It is noted that PP has applied in Amnesty window period described in notification issued by MoEF & CC vide letter dated 14.03.2017 and 08.03.2018

DECISION OF SEAC

During meeting PP requested to time to submit his say on the proposal, Committee agreed to this & hence, the proposal is deferred

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

Agenda for 89th SEAC-2 meeting scheduled on 20th February, 2019

SEAC Meeting number: 89 **Meeting Date** February 20, 2019

Subject: Environment Clearance for Application for prior Environmental Clerance for Millennium Avanish, Airoli

Is a Violation Case: Yes

1.Name of Project	MILLENIUM AVANISH
2.Type of institution	TOR
3.Name of Project Proponent	Mr. Ratilal Vasharambhai Patodia
4.Name of Consultant	Mr. H.K. Desai
5.Type of project	Residential cum Commercial Project
6.New project/expansion in existing project/modernization/diversification in existing project	Not applicable
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Plot No. 9, 10 & 11, Sector – 10A, Airoli, Navi Mumbai
9.Taluka	Airoli
10.Village	Airoli
Correspondence Name:	Mr. Ratilal Vasharambhai Patel
Room Number:	211
Floor:	211
Building Name:	Concorde Premises
Road/Street Name:	Plot No 66-A, Sector 11
Locality:	CBD Belapur
City:	Navi Mumbai 400614
11.Area of the project	Navi Mumbai Municipal Corporation (NMMC)
12.IOD/IOA/Concession/Plan Approval Number	CC issued dated : 2010 for Plot 9&10 and for plot 11, 2008
	IOD/IOA/Concession/Plan Approval Number: CC issued dated : 2010 for Plot 9&10 and for plot 11, 2008
	Approved Built-up Area: 9977.27
13.Note on the initiated work (If applicable)	Fully Constructed
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	6673.50
16.Deductions	Not Applicable
17.Net Plot area	6673.50
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 9977.27
	b) Non FSI area (sq. m.): 13740.97
	c) Total BUA area (sq. m.): 23745.24
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 9977.27
	Approved Non FSI area (sq. m.): 13740.97
	Date of Approval: 05-07-2010
19.Total ground coverage (m2)	4474
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	67.04 %
21.Estimated cost of the project	690000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Wing A	ST + 2 Podium +3rd to 22nd Upper floors	69.89
2	Wing B	ST + 2Podium + 3rd to 20th Upper floors	64.09

23.Number of tenants and shops	Residential tenements : 151 nos. , Commercial (Shops) : 38 nos.
24.Number of expected residents / users	851 nos.
25.Tenant density per hectare	91.57 Tenements / 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)	15.0 Mt DP Road East, South and west Side of the Plot
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	8.00 Mt and 6.00 Mt for Fire Engine Movement
29.Existing structure (s) if any	Construction work is almost completed
30.Details of the demolition with disposal (If applicable)	Not Applicable

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	NMMC / STP
	Fresh water (CMD):	70
	Recycled water - Flushing (CMD):	40
	Recycled water - Gardening (CMD):	16
	Swimming pool make up (Cum):	15
	Total Water Requirement (CMD) :	126
	Fire fighting - Underground water tank(CMD):	150
	Fire fighting - Overhead water tank(CMD):	20
	Excess treated water	21
Wet season:	**Source of water**	NMMC / STP
	Fresh water (CMD):	70
	Recycled water - Flushing (CMD):	40
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	15
	Total Water Requirement (CMD) :	110
	Fire fighting - Underground water tank(CMD):	150
	Fire fighting - Overhead water tank(CMD):	20
	Excess treated water	37
Details of Swimming pool (If any)	Swimming Pool proposed	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	--
	Size and no of RWH tank(s) and Quantity:	1 tank 92 cum.
	Location of the RWH tank(s):	Ground
	Quantity of recharge pits:	Not applicable
	Size of recharge pits :	Not applicable
	Budgetary allocation (Capital cost) :	10 lac
	Budgetary allocation (O & M cost) :	1.5 lac
	Details of UGT tanks if any :	Location(s) of the UGT tank(s): Ground floor
35.Storm water drainage	**Natural water drainage pattern:**	--
	Quantity of storm water:	0.132 cum/sec
	Size of SWD:	0.91 cum/sec
Sewage and Waste water	**Sewage generation in KLD:**	86
	STP technology:	SAFF
	Capacity of STP (CMD):	90 Cum.
	Location & area of the STP:	ground floor (Below ramp)
	Budgetary allocation (Capital cost):	18 lakhs
	Budgetary allocation (O & M cost):	2.0 Lakhs

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction debris like sand, soil, bricks, tiles
	Disposal of the construction waste debris:	It will recycled and utilized on same site for filling of low lying area and surplus will be disposed off at proper site as per norms. Scrap material will be sold to recyclers
Waste generation in the operation Phase:	**Dry waste:**	186 kg/day
	Wet waste:	256 kg/day
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	110 kg/day
	Others if any:	Garden Waste : 12 kg/day

Mode of Disposal of waste:	**Dry waste:**	It will be segregated/Sale/Recycled/Collected by authorized vendor by NMMC
	Wet waste:	treated in OWC
	Hazardous waste:	Hazardous waste such as used oil will be generated from DG sets during the change of oil and it will be disposed off as per MSIHC rules
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Used as manure
	Others if any:	E-waste if generated shall be disposed as per categoty
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	42 sq. m
	Area for machinery:	--
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	18 lakhs
	O & M cost:	2.5 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 app45) Hazardous Waste Details Description Cat UOM Existing Proposed Total Method of Disposal licable	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 :**	3,220.118 Sq.m (On Podium)
	No of trees to be cut :	NA
	Number of trees to be planted :	71 Trees
	List of proposed native trees :	Enlisted below
	Timeline for completion of plantation :	--

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Michelia champaca	Sonchapha	8	--
2	Butea Monosperma	Palas	8	--
3	Erythrina Indica	Pangara	6	-
4	Putranjiva Roxburbhi	Putranjiva	8	-
5	Mimusops Elegi	Bakul	10	-
6	Lagerstroemia Flosregineae	Tamhan	7	--
7	Azardirachita Indica	Neem	8	---
8	Plumeria Alba	Champa Tree	6	--
9	Cassia Fistula	Bahawa	10	-
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	Casia Tora	--	--
2	Hibiscus rosea Sinesis	--	--
3	Murraya Paniculata	---	--
4	Adhatoda Vasica	--	--
5	Ziziphus Mauritiana	--	--
6	Vitex Negundo	--	--
7	Sagargota	--	--
8	Stachytarphta Sp.	--	--
9	Cassia Auriculata	--	--

47.Energy

Power requirement:	**Source of power supply :**	MSEB
	During Construction Phase: (Demand Load)	100KW
	DG set as Power back-up during construction phase	--
	During Operation phase (Connected load):	2592 KW
	During Operation phase (Demand load):	907 KW
	Transformer:	2 nos. 630 KVA
	DG set as Power back-up during operation phase:	1 DG Set of 250 KVA with 80 % Loading Factor for back up services
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Energy Saving through this = 1.0 % of total Demand i.e. 9.10 KW

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Energy Saving	1.0 % of total Demand i.e. 9.10 KW

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:**	15 Lac
	O & M cost:	1.5 Lac

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 pollution	Water for Dust Suppression	5
2	health safety	Site Sanitation & Safety	15
3	Environment Monitoring	Environment Monitoring	3
4	health safety	Disinfection	10
5	Good Health Practices	Health Check up	15

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Wastewater Management	Sewage Treatment Plant	18.0	2.0
2	Rain Water Harvesting	Rain Water Harvesting Tank	10.0	0.45
3	Solid Waste Management	Organic Waste Converter	18.0	2.5
4	Landscape	Landscape	20.0	3.0
5	Energy saving	Solar Energy	14.5	1.5

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	15.0 wide D.P. Road East south and west side of the plot
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	2 Podium (3,300.80 Sq.m)
	Total Parking area:	6,317.416 Sq.m
	Area per car:	32.5 Sq.m / car
	Area per car:	32.5 Sq.m / car
	Number of 2-Wheelers as approved by competent authority:	--
	Number of 4-Wheelers as approved by competent authority:	238 no's
	Public Transport:	NA
	Width of all Internal roads (m):	6.0 m, 8.0 m internal drive way
	CRZ/ RRZ clearance obtain, if any:	To be obtained

	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Mangroves at a distance of 500 m
	Category as per schedule of EIA Notification sheet	8(a)
	Court cases pending if any	NA
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	13-04-2018

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; hence the project is deferred.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

Agenda for 89th SEAC-2 meeting scheduled on 20th February, 2019

SEAC Meeting number: 89 **Meeting Date** February 20, 2019

Subject: Environment Clearance for Residential & Commercial Development at Chandivali, Andheri (E) Mumbai

Is a Violation Case: Yes

1.Name of Project	Residential & Commercial Development at Chandivali, Andheri (E) Mumbai
2.Type of institution	Private
3.Name of Project Proponent	M/s. Nahar Builders Ltd.
4.Name of Consultant	M/s. Ultra-Tech
5.Type of project	Residential & Commercial Development
6.New project/expansion in existing project/modernization/diversification in existing project	New application for EC for the buildings constructed on site which are in the purview of EIA Notification (Plinth completed after 7.7.2004)
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	--
8.Location of the project	Plot bearing CTS No. 30A/1-14, 30A/1-16, 30A/2, 36A/8, 36-B,50-B, 52-B,53-B & 29V , 28A/3, 28-B, 29/L, 30-A/1-15,30-A/3, 50-C, 53-A/1-D, 53-C, 53-A/1-B, 1-C, 44-C, 1-D, 44-A, 45, 45/1 to 45/29 (pt), 50-A (pt), 51-A (pt), 52-A (pt), 48-F (pt), 49, 50-A (pt), 40 (pt), 4/2 to 4/59, 4/60, 4/61, 4-E, 20-B , 25/B/1, 26 A, 27 , 28A/1, 29 N , 50 A/6, 38 (pt), 50A/7, 52A/9, 42-D, 43 C/A(pt), 43 C/9 to 43 C/13, 43 C/32 to 43 C/37, 39-A , 14(pt), 36A/4, 50A/11, 52 A/3, 36A/9, 50A(pt), 52/A(pt), 50A/9 , 52A/6,36 A(Pt), 36A/10, 50A(pt), 52/A(pt) and 26-C Chandivali Farm Road, Chandivali, Andheri (E), Mumbai - 400072, Maharashtra. (These City survey numbers are for all 22 sectors as per approved layout. The present project is only for 11 sectors wherein work is commenced/completed)
9.Taluka	Andheri (E)
10.Village	Chandivali
Correspondence Name:	M/s. Nahar Builders Ltd.
Room Number:	B-1
Floor:	--
Building Name:	Mahalaxmi Chambers
Road/Street Name:	22, Bhulabhai Desai Road
Locality:	Mahalaxmi
City:	Mumbai-400 026
11.Area of the project	Municipal Corporation of Greater Mumbai (M.C.G.M.)
12.IOD/IOA/Concession/Plan Approval Number	CE/360/BPES/LOL (layout approval number)
	IOD/IOA/Concession/Plan Approval Number: CE/360/BPES/LOL (layout approval number)
	Approved Built-up Area: 319556.91
13.Note on the initiated work (If applicable)	Detailed site history is given in Form 1.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	--
15.Total Plot Area (sq. m.)	4, 85,232.67 Sq. mt. (for total layout).
16.Deductions	1,62,039.97 Sq. mt. (for total layout)
17.Net Plot area	3, 23,192.70 Sq. mt. (for total layout), Plot area of 11 Sectors (The Project before this Hon'ble Authority): 2, 07,290.02 Sq. mt.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** Existing Buildings not under purview of EIA Notification, 1994 as amended in 2004 (Plinth completed before 07.07.2004): 48970.40 Sq. mt. And Buildings under purview of EIA Notification: 2,70,586.51 Sq. mt.
	b) Non FSI area (sq. m.): Existing Buildings not under purview of EIA Notification, 1994 as amended in 2004 (Plinth completed before 07.07.2004): 18221.09 Sq. mt. And Buildings under purview of EIA Notification: 2,47,937.00 Sq. mt.
	c) Total BUA area (sq. m.): 518523.31

18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 319556.91
	Approved Non FSI area (sq. m.): 266158.09
	Date of Approval: 31-08-2016
19.Total ground coverage (m2)	Existing Buildings not under purview of EIA Notification: 9070.69 Sq.mt. Buildings under purview of EIA Notification: 23833.52 Sq. mt. Total Ground coverage: 32904.21 Sq. mt. (10 %)
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	10 %
21.Estimated cost of the project	17495000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Existing Buildings not under purview of EIA Notification, 1994 as amended in 2004 (Plinth completed before 07.07.2004)	--	--
2	Sector R2: Building R-2/1, R-2/2 and R-2/3	Stilt + 7 Floors	23.77 mt.
3	Sector R2: Building R-2/4 and R-2/5	Stilt + Podium + 14 Floors	48.15 mt.
4	Sector R3: Building R-3/1: Wing A to E	Stilt + 14 Floors	44.00 mt.
5	Sector R4: Building R-4/1	Plinth	17.98 mt.
6	Sector R5: Building R-5/A1 and R-5/A2	Ground + 3 Floors	15.10 mt.
7	Sector R5: Building R-5/A1 and R-5/A2	Ground + 3 Floors	15.10 mt.
8	Sector R6: Building R-6/1, R-6/2, R-6/3 and R-6/4	Ground	5.33 mt.
9	Sector R14: Building R-14/1 and R-14/2	Ground + 1 Floor	9.50 mt.
10	Existing Buildings under purview of EIA Notification, 1994, 2006 as amended (Plinth completed after 7.7.2004)	--	--
11	Sector R2: Building R-2/6, R-2/7, R-2/8, R-2/9 and R-2/10	Stilt + Podium + 14 Floors	44.95 mt.
12	Sector R3: Building R-3/F: Wing F	Stilt + 2 Podium + 14 Floors	44.00 mt.
13	Sector R3: School	2 Basements + Ground + 8 Floors	39.50 mt.
14	Sector R6: Building R-6/5	Ground	5.33 mt.
15	Sector R12: Building R-12/1	Stilt + Podium + 22 Floors	69.75 mt.
16	Sector R12: Building R-12/3 And R-12/4	Stilt + Podium + 22 Floors	69.25 mt.
17	Sector R12: Building R-12/6	Stilt + Podium + 22 Floors	69.66 mt.
18	Sector R12: Building R-12/2, R-12/5	Stilt + Podium + 21 Floors	68.80 mt.
19	Sector R12: Building R-12/7	Stilt + podium + 20 floors	69.80 mt.
20	Sector R12: Building R-12/9	Stilt + podium + 20 floors	69.40 mt.
21	Sector R12: Building 12/13	Stilt + 2 podium + 20 floors	67.40 mt.
22	Sector R12: Building R-12/8	Basement + Stilt + Podium + 18 Floors	67.35 mt.

23	Sector R12: Building R-12/10	Basement + Stilt + Podium + 20 Floors	69.40 mt.
24	Sector R12: Building R-12/11	Basement + Stilt + Podium + 14 Floors	52.25 mt.
25	Sector R12: Temple	Ground + 1 Floor	15.95 mt.
26	Sector R14: Building R-14/3	Part Basement + G + 3 Podium+ 4-17 Upper Floors	60.60 mt.
27	Sector R18: Residential	Basement + Podium + 18 Floors	61.00 mt.
28	Sector R19: Demart	Basement + Ground + 4 Floors	22.80 mt.
29	Sector R20: Offices	Ground + 10 Floors	39.00 mt.
30	Sector R21: Diagnostic Center	Basement + Ground + 5 Floors	22.20 mt.

23.Number of tenants and shops	Existing Buildings not under purview of EIA Notification, 1994 as amended in 2004 (Plinth completed before 07.07.2004): Flats : 740 Nos, Shops : 66 Nos. Buildings under purview of EIA Notification : Flats : 3001 Nos, Shops: 48 Nos., Classrooms: 73 Nos, Dispensary, Offices , Diagnostic Center and Demart
24.Number of expected residents / users	Existing Buildings not under purview of EIA Notification, 1994 as amended in 2004 (Plinth completed before 07.07.2004): 3898 Nos. Buildings under purview of EIA Notification: 18221 Nos.
25.Tenant density per hectare	116/hector(Considering all the buildings of the plot)
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Sectors in site are interconnected via 13.40 mt. wide D.P. Roads and 18.30 mt. wide D. P. Roads which are further connected to 27.45 mt. wide D.P. Road which connects to 45.75 mt. wide Jogeshwari Vikhroli Link Road.
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Minimum 9 mt.
29.Existing structure (s) if any	Details given in Form 1 and 1 A
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	--	--	--	--

32.Total Water Requirement

Dry season:	**Source of water**	From M.C.G.M./ Bore well/ Tankers/Treated sewage from STP
	Fresh water (CMD):	Buildings not under purview of EIA Notification: 512 (Domestic : 339+ Flushing : 173) and Buildings under purview of EIA Notification : 1700 (Domestic of all bldgs : 1441 + Flushing of Some of the buildings of Sector R2, R3, R6, R14, R18, R19, R20, R21: 259)
	Recycled water - Flushing (CMD):	For Sector R12 Only : 484
	Recycled water - Gardening (CMD):	151
	Swimming pool make up (Cum):	Buildings under purview of EIA Notification: 14
	Total Water Requirement (CMD) :	Buildings not under purview of EIA Notification: 512 and Buildings under purview of EIA Notification: 2349
	Fire fighting - Underground water tank(CMD):	Details shall be submitted
	Fire fighting - Overhead water tank(CMD):	Details shall be submitted
	Excess treated water	Details shall be submitted
Wet season:	**Source of water**	From M.C.G.M./ Bore well/ Tankers/Treated sewage from STP
	Fresh water (CMD):	Buildings not under purview of EIA Notification: 512 (Domestic : 339+ Flushing : 173) and Buildings under purview of EIA Notification : 1700 (Domestic of all bldgs : 1441 + Flushing of Some of the buildings of Sector R2, R3, R6, R14, R18, R19, R20, R21: 259)
	Recycled water - Flushing (CMD):	For Sector R12 Only : 484
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	Buildings under purview of EIA Notification: 14
	Total Water Requirement (CMD) :	Buildings not under purview of EIA Notification: 512 and Buildings under purview of EIA Notification: 2198
	Fire fighting - Underground water tank(CMD):	Details shall be submitted
	Fire fighting - Overhead water tank(CMD):	Details shall be submitted
	Excess treated water	Details shall be submitted
Details of Swimming pool (If any)	Details 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	--	--	--	--	--	--	--	--	--

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	1.5 mt. and 3.10 mt. below ground level
	Size and no of RWH tank(s) and Quantity:	Details shall be submitted
	Location of the RWH tank(s):	Details shall be submitted
	Quantity of recharge pits:	Details shall be submitted
	Size of recharge pits :	Details shall be submitted
	Budgetary allocation (Capital cost) :	Details shall be submitted
	Budgetary allocation (O & M cost) :	Details shall be submitted
	Details of UGT tanks if any :	Details shall be submitted
35.Storm water drainage	**Natural water drainage pattern:**	The storm water collected through the storm water drains of adequate capacity will be discharged into the external SWD
	Quantity of storm water:	Details shall be submitted
	Size of SWD:	Details shall be submitted
Sewage and Waste water	**Sewage generation in KLD:**	Buildings not under purview of EIA Notification: 444 KLD And Buildings under purview of EIA Notification: Some of the buildings of Sector: R2, R3, R6, R14, R18, R19, R20, R21: 637 KLD; Sector R12: 1258 KLD
	STP technology:	MBBR (Moving Bed Bio Reactor)
	Capacity of STP (CMD):	Buildings not under purview of EIA Notification: To sewer line; Buildings under purview of EIA Notification: Some of the buildings of Sector: R2, R3, R6, R14, R18, R19, R20, R21: To sewer line; Sector R12: STP of capacity of 1766 KL
	Location & area of the STP:	Basement
	Budgetary allocation (Capital cost):	Details shall be submitted
	Budgetary allocation (O & M cost):	Details shall be submitted
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Excavated material has been already disposed to the authorized sites with permission from M.C.G.M.
	Disposal of the construction waste debris:	Construction waste material generated during construction of Building R12/13 and Temple shall be partly reused and remaining disposed to the authorized land fill site.
Waste generation in the operation Phase:	**Dry waste:**	Buildings not under purview of EIA Notification: 1011 kg/day And Buildings under purview of EIA Notification: 4244 kg/day
	Wet waste:	Buildings not under purview of EIA Notification: 674 kg/day And Buildings under purview of EIA Notification: 2829 kg/day
	Hazardous waste:	--
	Biomedical waste (If applicable):	There is a dispensary & diagnostic center in Sector R18 & R21 respectively which generates small quantity of bio-medical waste
	STP Sludge (Dry sludge):	From STP of Sector R12 only: 189 kg/day
	Others if any:	E - waste: 30 Kg/month (For Offices in Sector R20 Only)

Mode of Disposal of waste:	**Dry waste:**	To Authorized recyclers
	Wet waste:	Buildings not under purview of EIA Notification: To MCGM, Buildings under purview of EIA Notification- Some of the buildings of Sector: R2, R3, R6, R14, R18, R19, R20, R21 : To MCGM , Bio Waste Converter (BWC) (For Sector R 12 Only)
	Hazardous waste:	--
	Biomedical waste (If applicable):	Handling and disposal of waste as per Bio-Medical Waste Management Rules, 2016.
	STP Sludge (Dry sludge):	Use as manure
	Others if any:	E - waste: Storage of E – Waste in separate space within project site and subsequently handed over to authorize recyclers
Area requirement:	**Location(s):**	Details shall be submitted
	Area for the storage of waste & other material:	Details shall be submitted
	Area for machinery:	Details shall be submitted
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Details shall be submitted
	O & M cost:	Details 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
Amount of treated effluent recycled :	Not applicable
Amount of water send to the CETP:	Not applicable
Membership of CETP (if require):	Not applicable
Note on ETP technology to be used	Not applicable
Disposal of the ETP sludge	Not applicable

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	--	--	--

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

43.Green Belt Development	**Total RG area :**	RG on the ground (sq. m.): 15,446.68; RG on the podium (sq. m.): 35,962.35
	No of trees to be cut :	Details shall be submitted
	Number of trees to be planted :	Details shall be submitted
	List of proposed native trees :	Details shall be submitted
	Timeline for completion of plantation :	--

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

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

48.Energy saving by non-conventional method:

Details shall be submitted

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Details shall be submitted	Details shall be submitted

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Details shall be submitted
	O & M cost:	Details 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	Air Environment	Dust suppression	2.88
2	Air Environment	Air and Noise quality: Sensors for Air quality & Noise level monitoring	11.00
3	Air Environment	Air and Noise quality: By outside MoEF & CC Approved Laboratory	0.44
4	Water Environment	Drinking water analysis	0.66
5	Land Environment	Site Sanitation	5.00
6	Health & Hygiene	Disinfection- Pest Control at site	2.40
7	Health & Hygiene	Health-check-up of workers	3.60

b) Operation Phase (with Break-up):

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

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:	Details shall be submitted
Parking details:	**Number and area of basement:**	Number of Basement : As mentioned in the proposal
	Number and area of podia:	Number of Podium : As mentioned in the proposal
	Total Parking area:	Details shall be submitted
	Area per car:	--
	Area per car:	--
	Number of 2-Wheelers as approved by competent authority:	--
	Number of 4-Wheelers as approved by competent authority:	Buildings not under purview of EIA Notification: 561 Nos. and Buildings under purview of EIA Notification: 4306 Nos.
	Public Transport:	Nil
	Width of all Internal roads (m):	Details shall be submitted
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park: Approx. 2.00 Km
	Category as per schedule of EIA Notification sheet	Category 8 (b)
	Court cases pending if any	Details are submitted in Form 1
	Other Relevant Informations	--
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	16-08-2017

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

It is noted that proposal under consideration is Of Violation Of EIA Notification 2006, as amended defined in MOEF & CC notification dated 14th March 2017 & 8th March 2018. ToR has been approved for the proposal in 68th SEAC-2 meeting held on 07-09-2018.

DECISION OF SEAC

It is noted that proposal under consideration is Of Violation Of EIA Notification 2006, as amended defined in MOEF & CC notification dated 14th March 2017 & 8th March 2018. ToR has been approved for the proposal in 68th SEAC-2 meeting held on 07-09-2018.

Department of Environment has constituted a Committee for formulating Guidelines to Consideration of proposal involving violation of EIA notification, 2006 amended till date in order to asses for the Environmental Damage and for Estimation of Remediation Costs for Building Construction Projects on similar Parameters to avoid any discrepancies. SEAC-2 has been discussed the said guidelines & accordingly additional ToR of remediation plan and natural & community resource augmentation plan. has been finalised in 87th SEAC-2 meeting held on 7/02/2019 committee instructed PP to carry out EIA as per ToR approved & also follow the format which was uploaded & available on website in public domain under 'Public Document of ec website (ec.mpcb.in)

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

Agenda for 89th SEAC-2 meeting scheduled on 20th February, 2019

SEAC Meeting number: 89 **Meeting Date** February 20, 2019

Subject: Environment Clearance for EXPANSION OF PROPOSED PROJECT & EXTENSION OF EARLIER OBTAINED EC

Is a Violation Case: Yes

1.Name of Project	Proposed Redevelopment - Slum Rehabilitation Scheme On Plot Bearing C. T. S. No. 7 (Pt.) Of Village Borla, Govandi (W.) Mumbai 400 043, For Panchasheel SRA CHS Ltd. & Ekta SRA CHS Ltd.
2.Type of institution	Private
3.Name of Project Proponent	M/s. Lakadawala Developers Pvt. Ltd.
4.Name of Consultant	AQURA Enviro Projects Private Limited
5.Type of project	Slum Rehabilitation Scheme
6.New project/expansion in existing project/modernization/diversification in existing project	EXPANSION
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Extension of Earlier obtained EC & Expansion of Proposed Project.
8.Location of the project	C. T. S. No. 7 (Pt.) Of Village Borla, Govandi (W.) Mumbai 400 043.
9.Taluka	KURLA
10.Village	BORLA
Correspondence Name:	SWATI DOSHI
Room Number:	--
Floor:	First
Building Name:	Lathiwala Apartment
Road/Street Name:	Shivdas Chapshi Road
Locality:	Near Sales Tax Office
City:	Mazgaon, Mumbai - 400010
11.Area of the project	Municipal Corporation of Greater Mumbai
12.IOD/IOA/Concession/Plan Approval Number	IOA - Letter no. SRA/ENG/2747/ME/ML/AP dated 5th Jan 2012
	IOD/IOA/Concession/Plan Approval Number: IOA - Letter no. SRA/ENG/2747/ME/ML/AP dated 5th Jan 2012
	Approved Built-up Area: 73640.62
13.Note on the initiated work (If applicable)	Construction work carried out on site: Rehab Bldg 1: G + 23 Floors as per OC obtained – 26011.077 Sq. M. Rehab Bldg 2: G + 5th Floor - 4767.32 Sq. M. (CC for G + 7 floors & IOD for G + 24 Floors) Sale Building: Wing A: On going Shore piling and (Wing B & C) 2 Basements + Stilt + 11 Upper Floors – 24966.8141 Sq. M. Total area constructed on site: 55745.211 Sq. M.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	LOI No. SRA/ENG/970/ME/ML/LOI dated 9th Nov 2017
15.Total Plot Area (sq. m.)	Total plot area: 19152.53 m2, Slum Plot Area: 18410.155 m2, Non slum plot area: 742.375 m2
16.Deductions	6588.60
17.Net Plot area	11821.55
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 19152.53
	b) Non FSI area (sq. m.): 128558.65
	c) Total BUA area (sq. m.): 147711.18
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 66658.002
	Approved Non FSI area (sq. m.): 82680.44
	Date of Approval: 09-11-2017
19.Total ground coverage (m2)	4447.459
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	36%
21.Estimated cost of the project	5000000000

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 + 23 Upper Floors (Already constructed on site as OC dated 08.12.2017)	69.90
2	Rehab – Building No 2	Ground + 24 Upper Floors	69.80
3	Rehab – Building No 3	Ground + 24 Upper Floors	69.30
4	Sale Building No. 4 (Wing A, B & C)	2 Level Basement + Ground (Part) + 25 Upper Floors	80.80

23.Number of tenants and shops	Rehab Building No 1: 481 Rehab Building No 2: 349 Rehab Building No 3: 453 Sale Building No. 4: 582 Total: 1865
24.Number of expected residents / users	Rehab Building No 1: 1924 Rehab Building No 2: 1396 Rehab Building No 3: 1812 Sale Building No. 4: 2616 Total: 7748
25.Tenant density per hectare	752T/H
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	23.80 m wide D. P. Road on South, 23.80 m wide D. P. Road on East
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	6.00 m
29.Existing structure (s) if any	There are Approx. 200 Slums on the plot of proposed Rehab 3.
30.Details of the demolition with disposal (If applicable)	Area for the rehab 3 plot area will be demolished in the near future. Required permissions will be taken prior to the demolition.

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	MCGM
	Fresh water (CMD):	796
	Recycled water - Flushing (CMD):	402
	Recycled water - Gardening (CMD):	9.3
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	1198
	Fire fighting - Underground water tank(CMD):	1100
	Fire fighting - Overhead water tank(CMD):	215
	Excess treated water	524
Wet season:	**Source of water**	MCGM
	Fresh water (CMD):	478
	Recycled water - Flushing (CMD):	402
	Recycled water - Gardening (CMD):	--
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	880
	Fire fighting - Underground water tank(CMD):	1100
	Fire fighting - Overhead water tank(CMD):	215
	Excess treated water	533
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Above 4 m
	Size and no of RWH tank(s) and Quantity:	4 RWH tanks of 65, 41, 56 & 93 Cum
	Location of the RWH tank(s):	Below Ground
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	20 lacs
	Budgetary allocation (O & M cost) :	2 lacs/year
	Details of UGT tanks if any :	Fire Fighting Tank: 300 + 600 + 200 = 1100 CMD Domestic Water Tank: 208 + 287 + 301 = 796 CMD Flushing Water Tank: 106 + 146 + 150 = 402 CMD Rain Water Harvesting Tank: 65+41+56+93= 255 CMD
35.Storm water drainage	**Natural water drainage pattern:**	SWD by Gravity & connected to south side
	Quantity of storm water:	0.092 m3/Sec, 0.127 m3/Sec, 0.206 m3/Sec
	Size of SWD:	Ranging from 300 - 450 mm wide storm water drain Channel
Sewage and Waste water	**Sewage generation in KLD:**	781 KLD
	STP technology:	Moving Bed Bio-Reactor (MBBR) Technology
	Capacity of STP (CMD):	3 STP of 402 (Rehab 1 & 2), 210 (Rehab 3) & 399 (Sale) = 1011 KLD
	Location & area of the STP:	Below Ground, Area: 94 + 102 + 333 Sq. M. = 529 Sq. M.
	Budgetary allocation (Capital cost):	91 Lacs
	Budgetary allocation (O & M cost):	14 Lacs/year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	NA
	Disposal of the construction waste debris:	NA
Waste generation in the operation Phase:	**Dry waste:**	2186 Kg/Day
	Wet waste:	1458 Kg/Day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	85 Kg/day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Recyclable waste to Recyclers & Non-recyclable waste to M.C.G.M.
	Wet waste:	Treatment in Organic Waste Converter
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Use as Manure
	Others if any:	NA
Area requirement:	**Location(s):**	Ground Level
	Area for the storage of waste & other material:	50 + 30 + 72= 152 Sq. M.
	Area for machinery:	30 Sq. M.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	55 Lacs
	O & M cost:	6.5 Lacs

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	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 :**	1254.77 SQ M
	No of trees to be cut :	NIL
	Number of trees to be planted :	NIL
	List of proposed native trees :	Cassia fistula, Azadiracta indica, Erythrina indica, MIMSOPS ELENGI, MURRAYA PANICULATA, MAGNIFERA INDICA, PONGAMIA PINNATA, BOMBAX CEIBA, SARACA ASOCA
	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	CASSIA FISTULA	BAHAWA	34	Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plant
2	AZARDIRACHTA INDICA	NEEM	43	Medicinal Tree
3	MIMSOPS ELENGI	BAKUL	12	SHADY TREE
4	MURRAYA PANICULATA	KUNTI	41	Flowering Tree
5	MAGNIFERA INDICA	MANGO	3	SHADY TREE
6	PONGAMIA PINNATA	KARANJ	18	MEDICINAL VALUE
7	BOMBAX CEIBA	KATESAVAR	5	ORNAMENTAL TREE
8	SARACA ASOCA	SITA ASHOK	13	ORNAMENTAL TREE
9	ERYTHRINA INDICA	PANGARA	3	Medium sized deciduous tree. Bright scarlet 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

Power requirement:	**Source of power supply :**	TATA Power & Reliance energy Limited
	During Construction Phase: (Demand Load)	100 KW
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	5717 KW
	During Operation phase (Demand load):	3429 KW
	Transformer:	The rating of the transformers are to be decided by Electrical Supply Company.
	DG set as Power back-up during operation phase:	1noDG set of 750kVA FOR SALE BUILDING
	Fuel used:	HSD/LSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

? 10% of External Lighting on Solar PV Panels and rest lighting with timer controlled Operation for reducing amount of light at different stages as per requirements.
? All lifts are with VFD drives.
? All water pump motors will be used High Efficiency motors with High low level sensors.
? 10% of common area lighting considered on Solar PV Panels.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	REHAB 2 - 10% of External Lighting on Solar PV Panels and rest lighting with timer controlled Operation for reducing amount of light at different stages as per requirements. ? All lifts are with VFD drives. ? All water pump motors will be used High Efficiency motors with High low level sensors. ? 10% of common area lighting considered on Solar PV Panels.	5% (INTERNAL + EXTERNAL LOAD)
2	REHAB 3 - 10% of External Lighting on Solar PV Panels and rest lighting with timer controlled Operation for reducing amount of light at different stages as per requirements. ? All lifts are with VFD drives. ? All water pump motors will be used High Efficiency motors with High low level sensors. ? 10% of common area lighting considered on Solar PV Panels.	7% (INTERNAL + EXTERNAL LOAD)
3	SALE BUILDING 4 - 10% of External Lighting on Solar PV Panels and rest lighting with timer controlled Operation for reducing amount of light at different stages as per requirements. ? All lifts are with VFD drives. ? All water pump motors will be used High Efficiency motors with High low level sensors. ? 10% of common area lighting considered on Solar PV Panels.	6% (INTERNAL + EXTERNAL LOAD)

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:**	52 LACS
	O & M cost:	0.5 LACS/YEAR

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water for dust suppression	1
2	Socio-economic Environment	Sanitation	0.5
3	Socio-economic Environment	Disinfection at Site	0.5
4	Socio-economic Environment	Health check-up of workers	0.5
5	Environment management	Environmental Monitoring	7.26
6	Environment management	EMP for Batching Plant	1.20

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Waste Water Management	3 Nos. Of STPs of Total Capacity 781 KLD	91	14
2	Water Environment	3 Nos. Of RWH tanks of Total Capacity 190 KL	20	2.0
3	Solid Waste Management	Cost fot treatment of Biodegrabale waste of 1078 Kg/Day	55	6.5
4	Air Environment	Tree Plantation & Landscaping	44	2
5	Energy Conservation	Solar Panels	52	0.5

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Two major junctions near the proposed development namely Bhagwan Shastri junction and MHADA Colony junction on P L Lokhande Marg and Ghatkopar Mankhurd Link Road respectively.
Parking details:	**Number and area of basement:**	2 Nos. – 5620.99 Sq. m
	Number and area of podia:	NA
	Total Parking area:	8799.66 Sq. m. (stilt parking on the ground floor + 2 basement parking)
	Area per car:	17.6 Sq.m.
	Area per car:	17.6 Sq.m.
	Number of 2-Wheelers as approved by competent authority:	30
	Number of 4-Wheelers as approved by competent authority:	215 (Mechanical parking) + 255 = 470 Nos
	Public Transport:	NA
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park – Approx. 9.00 Km
	Category as per schedule of EIA Notification sheet	Category 'B' 8(a) B2 {Building and Construction projects = 20,000 sq. m. and <1,50,000 sq. m. of built-up area}
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	12-09-2017

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; hence the project is deferred.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

Agenda for 89th SEAC-2 meeting scheduled on 20th February, 2019

SEAC Meeting number: 89 **Meeting Date** February 20, 2019

Subject: Environment Clearance for Proposed residential cum commercial project on plot bearing S. No. 128 (old) 90 (new)/A4 & 4B & 2, of village Kanchangaon and S. No. 242A (old) 28 (new)/1/1 (pt) of Mouje Chole, Tal. Kalyan, Dist. Thane, Maharashtra by Shree Sai Balaji Enterprises

Is a Violation Case: Yes

1.Name of Project	Shree Sai Balaji Enterprises
2.Type of institution	Private
3.Name of Project Proponent	Krishndas Kuttan Gurukal, Shree Sai Balaji Enterprises
4.Name of Consultant	Dr. D. A. Patil, Mahabal Enviro Engg. Pvt. Ltd.
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Plot bearing S. No. 128 (old) 90 (new)/A4 & 4B & 2, of village Kanchangaon and S. No. 242A(old) 28 (new)/1/1 (pt) of Mouje Chole, Tal. Kalyan, Dist Thane, Maharashtra
9.Taluka	Kalyan
10.Village	Kanchangaon & Mouje Chole
Correspondence Name:	Krishndas Kuttan Gurukal, Shree Sai Balaji Enterprises
Room Number:	-
Floor:	-
Building Name:	-
Road/Street Name:	-
Locality:	-
City:	-
11.Area of the project	Kalyan Dombivali Municipal Corporation (KDMC)
12.IOD/IOA/Concession/Plan Approval Number	Plan approved from KDMC vide letter no. KDMC/DOM/2012-13/99/208 dt 07.11.2013
	IOD/IOA/Concession/Plan Approval Number: Plan approved from KDMC vide letter no. KDMC/DOM/2012-13/99/208 dt 07.11.2013
	Approved Built-up Area: 19472.05
13.Note on the initiated work (If applicable)	Work started as per the sanction/approvals received from KDMC vide letter no. KDMC/DOM/2012-13/99/208 dt 07.11.2013 ; FSI: 19,472.05 m2, Non FSI: 6,547.1 m2 & constructed area: 26,019.15 m2
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Plan Approved by KDMC vide letter No. KDMC/DOM/2012-13/99/208 dt 07.11.2013
15.Total Plot Area (sq. m.)	13,660.00 m2
16.Deductions	4,411.96 m2
17.Net Plot area	9,248.04 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 19,472.05 m2
	b) Non FSI area (sq. m.): 6,547.1 m2
	c) Total BUA area (sq. m.): 26019.15
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 19,472.05 m2
	Approved Non FSI area (sq. m.): 6,547.1 m2
	Date of Approval: 07-11-2013
19.Total ground coverage (m2)	3,875 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	36 %
21.Estimated cost of the project	950000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building No. 1 (A to D wing)	S (pt) + G (pt) +1st to 7th floor	23.25
2	Bldg. No. 2 (A to D wing)	S (pt) + G (pt) + 1st to 7th floor	23.25
3	Bldg. No. 3 (A to C wing)	S (pt) + G (pt) + 1st to 7th floor	23.25
4	Bldg. No. 4 (A to C wing)	S (pt) + G (pt) + 1st to 7th floor	23.25
5	Club House	G+1	7.5

23.Number of tenants and shops	Flats: 469 Nos. Shops: 33 Nos. (Area: 547.68 m2)
24.Number of expected residents / users	Population: 2,400 Nos.
25.Tenant density per hectare	345/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)	24.0 m & 18.0 m wide DP roads
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	NA
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	KDMC
	Fresh water (CMD):	212 KLD
	Recycled water - Flushing (CMD):	107 KLD
	Recycled water - Gardening (CMD):	9 KLD
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	319 KLD
	Fire fighting - Underground water tank(CMD):	As per CFO NOC
	Fire fighting - Overhead water tank(CMD):	As per CFO NOC
	Excess treated water	179 KLD
Wet season:	**Source of water**	KDMC + RWH
	Fresh water (CMD):	135 + 78 KLD
	Recycled water - Flushing (CMD):	107 KLD
	Recycled water - Gardening (CMD):	Nil
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	319 KLD
	Fire fighting - Underground water tank(CMD):	As per CFO NOC
	Fire fighting - Overhead water tank(CMD):	As per CFO NOC
	Excess treated water	188 KLD
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	3-4 m
	Size and no of RWH tank(s) and Quantity:	2 tanks of total 160 KL capacity
	Location of the RWH tank(s):	Underground
	Quantity of recharge pits:	2 No. of recharge pits
	Size of recharge pits :	2.5 m x 2.0 m x 3.0 m
	Budgetary allocation (Capital cost) :	40 lakh
	Budgetary allocation (O & M cost) :	2 lakh/y
	Details of UGT tanks if any :	Underground
35.Storm water drainage	**Natural water drainage pattern:**	Towards East side of the plot
	Quantity of storm water:	1,191.84 m3/hr
	Size of SWD:	350 mm x 550 mm
Sewage and Waste water	**Sewage generation in KLD:**	299 KLD
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	1 STP of total 325 KLD capacity
	Location & area of the STP:	Location: Ground ; Area provided: 180 m2
	Budgetary allocation (Capital cost):	75 Lakh
	Budgetary allocation (O & M cost):	17 Lakh/y

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction debris : 750 m3
	Disposal of the construction waste debris:	The construction debris is utilized at site for Road Paving. Excavation was done for foundation purposes only and excavated material was utilized for backfilling purpose only.
Waste generation in the operation Phase:	**Dry waste:**	473 kg/d
	Wet waste:	710 kg/d
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	3 m3/day
	Others if any:	Household E-Waste Generation

Mode of Disposal of waste:	**Dry waste:**	Dry garbage is disposed off to authorized recyclers
	Wet waste:	Wet garbage/biodegradable matter as leftover food, vegetables including STP sludge is composted by Mechanical Composting unit (EcoBiocompack)
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Sludge use as manure for gardening
	Others if any:	The E-waste is handed over to E-waste management vendor authorized by MPCB (if any).
Area requirement:	**Location(s):**	Ground floor
	Area for the storage of waste & other material:	50 m2
	Area for machinery:	30 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	32 Lakh
	O & M cost:	13 Lakh/y

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

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

43.Green Belt Development	**Total RG area :**	RG area required: 1,632 m2 , RG area provided: 1,896 m2
	No of trees to be cut :	Nil
	Number of trees to be planted :	140 Nos (Trees planted till date: 47 Nos.)
	List of proposed native trees :	As mention Below
	Timeline for completion of plantation :	1 year

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Lagerstromia Reginea	Taaman	10	Official state tree
2	Saraca indica	Sita Ashok	8	Hardly evergreen tree, grows well in warm climate
3	Azadirachta Indica	Neem	8	Hardy evergreen tree, has medicinal properties
4	Mangifera indica	Mango	6	Large tree Fruit tree attracting birds
5	Lawsonia inermis	Mehandi	6	Evergreen tree, has medicinal properties
6	Anthocephalus kadamba	Kadamb	12	Deciduous tree, large foliage & beautiful tree
7	Murraya exotica	Kunti	10	Small, evergreen tree, good for gardens
8	Michelia champaca	Son Chafa	12	Medium sized evergreen tree, fragrant yellow flowers
9	Cassia fistula	Bahava	12	Medium sized deciduous tree, Beautiful yellow flowers and Butterfly host plant.
10	Alstonia scholaris	Satvin	8	Shady, large evergreen tree, white fragrant flowers
11	Pongamia pinnata	Karanj	12	Shady tree
12	Albizia lebbeck	Shirij	10	Shady tree, yellowish green fragrant flowers
13	Hyophorbe lagenicaulis	Bottle palm tree	8	Palm tree good for roadside plantation
14	Cocos nucifera	Coconut tree	10	Palm tree and has many medicinal and nutritional uses
15	Tamarindus Indica	Tamarind	8	Large fruit tree attracting birds
16	Total	-	140	-
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	250 kVA
	DG set as Power back-up during construction phase	250 kVA
	During Operation phase (Connected load):	2.2 MW
	During Operation phase (Demand load):	1.4 MW
	Transformer:	-
	DG set as Power back-up during operation phase:	2 x 250 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	No

48.Energy saving by non-conventional method:

- Solar Hot water system
- Solar PV panels for street and Garden lighting

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total Energy Saving	23.1%

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:**	30 Lakhs
	O & M cost:	1.5 Lakh/y

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP (Tertiary)	Continuous O & M	75	17

2	Solar PV panels and Solar Hot water System	Weekly	30	1.5
3	Rain Water Harvesting	During rainy season (Cleaning of RWH tanks and Filtration chamber)	40	2
4	Solid waste Composting plant	Continuous O & M	32	13
5	Landscape development	Daily	19	3
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
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:	24.0 & 18.0 m wide DP roads
Parking details:	**Number and area of basement:**	Not Applicable
	Number and area of podia:	Not Applicable
	Total Parking area:	3,115 m2
	Area per car:	28.5 m2
	Area per car:	28.5 m2
	Number of 2-Wheelers as approved by competent authority:	450 Nos.
	Number of 4-Wheelers as approved by competent authority:	Req: 96 Nos & Provided: 96 Nos.
	Public Transport:	NA
	Width of all Internal roads (m):	24.0 & 18.0 m wide DP roads

	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8 (a)
	Court cases pending if any	No
	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

It is noted that proposal under consideration is Of Violation Of EIA Notification 2006, as amended defined in MOEF & CC notification dated 14th March 2017 & 8th March 2018. ToR has been approved for the proposal in 67thSEAC-2 meeting held on 31-08-2018.

DECISION OF SEAC

It is noted that proposal under consideration is Of Violation Of EIA Notification 2006, as amended defined in MOEF & CC notification dated 14th March 2017 & 8th March 2018. ToR has been approved for the proposal in 67thSEAC-2 meeting held on 31-08-2018.

Department of Environment has constituted a Committee for formulating Guidelines to Consideration of proposal involving violation of EIA notification, 2006 amended till date in order to asses for the Environmental Damage and for Estimation of Remediation Costs for Building Construction Projects on similar Parameters to avoid any discrepancies. SEAC-2 has been discussed the said guidelines & accordingly additional ToR of remediation plan and natural & community resource augmentation plan. has been finalised in 87th SEAC-2 meeting held on 7/02/2019 committee instructed PP to carry out EIA as per ToR approved & also follow the format which was uploaded & available on website in public domain under 'Public Document of ec website (ec.mpcb.in)

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

Agenda for 89th SEAC-2 meeting scheduled on 20th February, 2019

SEAC Meeting number: 89 **Meeting Date** February 20, 2019

Subject: Environment Clearance for Kalpataru Riverside - Subdivided plot A part

Is a Violation Case: Yes

1.Name of Project	Residential Project, Plot bearing F.P. No. bearing F.P. No. 458 (Pt.), 497 (Pt.) & 498 (Pt.) of Panvel, Opp. Panchmukhi Maruti Mandir, Tal: Panvel Dist. Raigad, Maharashtra.
2.Type of institution	Private
3.Name of Project Proponent	M/s. Kalpataru + sharyans
4.Name of Consultant	M/s. Enviro Analyst and Engineers Pvt. Ltd.
5.Type of project	Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes , Earlier EC received on dated 13-03-2007 (Ref. No. 21-662/2006-IA-III)
8.Location of the project	Plot bearing F.P. No. 458 (Pt.), 497 (Pt.) & 498 (Pt.) of Panvel, Opp. Panchmukhi Maruti Mandir
9.Taluka	Panvel
10.Village	Panvel
Correspondence Name:	Suresh Mehta
Room Number:	101
Floor:	10th floor
Building Name:	Kalpataru Synergy
Road/Street Name:	Opp. Grand Hyatt
Locality:	Vakola, Santacruz (W)
City:	Mumbai
11.Area of the project	Panvel Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Occupation documents
	IOD/IOA/Concession/Plan Approval Number: Occupation received for last building is under Outward no PMC/ PW No. 1912/2013
	Approved Built-up Area: 51000
13.Note on the initiated work (If applicable)	Construction of all the buildings are completed and handed over to society.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	44,459.13 sq. mt.
16.Deductions	10,030.88 sq. mt.
17.Net Plot area	34,428.25 sq. mt.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 54,749.50
	b) Non FSI area (sq. m.): 51,822.52
	c) Total BUA area (sq. m.): 106572.42
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 54,749.06
	Approved Non FSI area (sq. m.): 51,822.52
	Date of Approval: 26-03-2013
19.Total ground coverage (m2)	7810.88
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	18.65 %
21.Estimated cost of the project	2794000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Bldg. No. 1 : Wing A, B, C & D	1B + Stilt + 13 upper floors	42.31
2	Bldg. No. 2 : Wing A, B & C	Stilt + 13 Upper floors	42.31
3	Bldg. No. 3 : Wing A, B, & C	Stilt + 13 Upper floors	42.31
4	Bldg. No. 4 : Wing A, B, C & D	1B + Stilt + 13 upper floors	42.31
5	Clubhouse	part basement + Ground + 1st floor	8.0
6	Amenity Bldg.	Ground + 1st floor	8.85

23.Number of tenants and shops	714 Residential units
24.Number of expected residents / users	3,570 No.
25.Tenant density per hectare	207 per hector
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	18.29 m. wide T. P. road and 9.15 m. D P road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	6.0 mt.
29.Existing structure (s) if any	Bldg no 1 to 4 with club house and amenity bldg along with ancillary buildings.
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	PMC/ treated water
	Fresh water (CMD):	328 KLD
	Recycled water - Flushing (CMD):	170 KLD
	Recycled water - Gardening (CMD):	64 KLD
	Swimming pool make up (Cum):	10 KL
	Total Water Requirement (CMD) :	562 KLD
	Fire fighting - Underground water tank(CMD):	300 Cu. m.
	Fire fighting - Overhead water tank(CMD):	420 Cu. m. (cumulative)
	Excess treated water	214 KLD
Wet season:	**Source of water**	PMC/ treated water
	Fresh water (CMD):	328 KLD
	Recycled water - Flushing (CMD):	170 KLD
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	498 KLD
	Fire fighting - Underground water tank(CMD):	300 Cu. m.
	Fire fighting - Overhead water tank(CMD):	420 Cu. m. (cumulative)
	Excess treated water	278 KLD
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	-	-	-	-	-	-	-	-	-

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Below 4.0 mt.
	Size and no of RWH tank(s) and Quantity:	Not provided
	Location of the RWH tank(s):	Not provided
	Quantity of recharge pits:	4 Nos. of rain water recharge pit
	Size of recharge pits :	4 Nos. of rain water recharge pit
	Budgetary allocation (Capital cost) :	10 lakhs
	Budgetary allocation (O & M cost) :	-
	Details of UGT tanks if any :	Fire Fighting 300 cum-
35.Storm water drainage	**Natural water drainage pattern:**	-
	Quantity of storm water:	Avg. diameter of SWD pipe : 450 mm
	Size of SWD:	Avg. diameter of SWD pipe : 450 mm
Sewage and Waste water	**Sewage generation in KLD:**	498
	STP technology:	SAFF
	Capacity of STP (CMD):	580
	Location & area of the STP:	Basement
	Budgetary allocation (Capital cost):	105 Lakhs
	Budgetary allocation (O & M cost):	-

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction completed
	Disposal of the construction waste debris:	-
Waste generation in the operation Phase:	**Dry waste:**	742 Kg/ Day
	Wet waste:	1114 Kg/ Day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	-
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Collection by Municipal authority
	Wet waste:	Being processed in OWC
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	-
	Others if any:	-
Area requirement:	**Location(s):**	Ground floor
	Area for the storage of waste & other material:	15.55 sq. mt. including machinery and storage of waste
	Area for machinery:	15.55 sq. mt. including machinery and storage of waste
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	6.50 lakhs
	O & M cost:	-

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	-	6-8	6.5-7.5	Not applicable
2	SS	mg/ l	250	50	Not applicable
3	BOD	mg/ l	250	20	Not applicable
4	COD	mg/ l	300	50	Not applicable
5	TDS	mg / l	0	0	Not applicable

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total

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

43.Green Belt Development	**Total RG area :**	10,649.49 sq. mt.
	No of trees to be cut :	-
	Number of trees to be planted :	475 trees planted.
	List of proposed native trees :	-
	Timeline for completion of plantation :	completed

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	-	-	-	-
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	Construction is completed.
	DG set as Power back-up during construction phase	-
	During Operation phase (Connected load):	5313 KW
	During Operation phase (Demand load):	3188 KW
	Transformer:	8 nos. of 630 kVA each
	DG set as Power back-up during operation phase:	2 nos. of 625 kVA each
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

- Energy efficient CFL & T5 tube light which give more light output for the same watts consumed and therefore require less nos. of fixtures.
- Use of VFD drives in lifts.
- Maximum use of natural ventilation and light.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	As mentioned above	7 %

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:**	-
	O & M cost:	-

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP	-	105	-
2	RWH	-	10	-
3	Solid waste management	-	6.50	-
4	Gardening	-	105	-

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:	3 Nos. of entry/ exits

Parking details:	**Number and area of basement:**	1 no. of basement with area of 11505.62 sq. mt.
	Number and area of podia:	No podium is provided.
	Total Parking area:	11,498.96 sq. mt.
	Area per car:	21.48 sq. mt.
	Area per car:	21.48 sq. mt.
	Number of 2-Wheelers as approved by competent authority:	Scooters = 360 Nos. Cycles = 718 Nos.
	Number of 4-Wheelers as approved by competent authority:	536 Nos.
	Public Transport:	NA
	Width of all Internal roads (m):	6.0 mt. wide
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Karnala Bird Sanctuary at 9.40 km
	Category as per schedule of EIA Notification sheet	Schedule 8(a), Catagory B
	Court cases pending if any	No
	Other Relevant Informations	Show cause notice under section 5 of E. P. Act - 1986 was issued and same is duly replied.
	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

It is noted that proposal under consideration is Of Violation Of EIA Notification 2006, as amended defined in MOEF & CC notification dated 14th March 2017 & 8th March 2018. ToR has been approved for the proposal in 67th(Day -2) SEAC-2 meeting held on 01-09-2018

DECISION OF SEAC

It is noted that proposal under consideration is Of Violation Of EIA Notification 2006, as amended defined in MOEF & CC notification dated 14th March 2017 & 8th March 2018. ToR has been approved for the proposal in 67th(Day -2) SEAC-2 meeting held on 01-09-2018.

Department of Environment has constituted a Committee for formulating Guidelines to Consideration of proposal involving violation of EIA notification, 2006 amended till date in order to asses for the Environmental Damage and for Estimation of Remediation Costs for Building Construction Projects on similar Parameters to avoid any discrepancies. SEAC-2 has been discussed the said guidelines & accordingly additional ToR of remediation plan and natural & community resource augmentation plan. has been finalised in 87th SEAC-2 meeting held on 7/02/2019 committee instructed PP to carry out EIA as per ToR approved & also follow the format which was uploaded & available on website in public domain under 'Public Document of ec website (ec.mpcb.in)

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

Agenda for 89th SEAC-2 meeting scheduled on 20th February, 2019

SEAC Meeting number: 89 **Meeting Date** February 20, 2019

Subject: Environment Clearance for Amendment in EC for Proposed S.R. Scheme on land bearing C.S. No. 177(pt), 180(pt), 183(pt), 184(pt), 185(pt), 186(pt), 187(pt), 188(pt), 189(pt), 190(pt), 191(pt), I92(pt), 193(pt). 195(pt), 196(pt), I97(pt), 198(pt), 202(pt), 215(pt) & 22I(pt) of Dadar Naigaon Division in Sewree Wadala Estate Scheme No. 57 and C.S. no. 804(pt), 805(pt), 808(pt), 809(pt), 810, 811(pt) & 812(pt) in K/S ward of MCGM, Mumbai for "Mamta Sahakari Gruha Nirman Sanstha (Ltd.)"

Is a Violation Case: Yes

1.Name of Project	Amendment in EC for Proposed S.R. Scheme on land bearing C.S. No. 177(pt), 180(pt), 183(pt), 184(pt), 185(pt), 186(pt), 187(pt), 188(pt), 189(pt), 190(pt), 191(pt), I92(pt), 193(pt). 195(pt), 196(pt), I97(pt), 198(pt), 202(pt), 215(pt) & 22I(pt) of Dadar Naigaon Division in Sewree Wadala Estate Scheme No. 57 and C.S. no. 804(pt), 805(pt), 808(pt), 809(pt), 810, 811(pt) & 812(pt) in K/S ward of MCGM, Mumbai for "Mamta Sahakari Gruha Nirman Sanstha (Ltd.)"
2.Type of institution	Private
3.Name of Project Proponent	M/s Shree Sukhakarta Developers Pvt. Ltd.
4.Name of Consultant	AQURA Enviro Projects Pvt. Ltd.
5.Type of project	SRA Scheme
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes Environmental Clearance Letter No. SEAC-2013/C.R.-318/TC-1 dated: 30th July 2013
8.Location of the project	Proposed S.R. Scheme on land bearing C.S. No. 177(pt), 180(pt), 183(pt), 184(pt), 185(pt), 186(pt), 187(pt), 188(pt), 189(pt), 190(pt), 191(pt), I92(pt), 193(pt). 195(pt), 196(pt), I97(pt), 198(pt), 202(pt), 215(pt) & 22I(pt) of Dadar Naigaon Division in Sewree Wadala Estate Scheme No. 57 and C.S. no. 804(pt), 805(pt), 808(pt), 809(pt), 810, 811(pt) & 812(pt) in K/S ward of MCGM, Mumbai for "Mamta Sahakari Gruha Nirman Sanslha (Ltd.)"
9.Taluka	Mumbai
10.Village	Wadala
Correspondence Name:	Mr. Amit Ruparel
Room Number:	NA
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	SRA/ENG/1596/FS/ML/LOI dated 29.12.2016
	IOD/IOA/Concession/Plan Approval Number: SRA/ENG/1596/FS/ML/LOI dated 29.12.2016
	Approved Built-up Area: 35656.90
13.Note on the initiated work (If applicable)	Sale Building :2B + G + 7Podium + 1 Amenity Floor + Residential 29 floors, Rehab Residential Building : 1B (Double Height) + Ground + 22 Floors. Total Constructed area till date is 71473.55 sq.m. as per earlier EC obtained with vide letter no. SEAC-2013/CR-318/TC-1
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	SRA/ENG/1596/FS/ML/LOI dated 29.12.2016
15.Total Plot Area (sq. m.)	10,602.44 Sq.mt
16.Deductions	1,465.88 Sq.mt. (DP R.G.), 1,771.08 Sq.mt. (Internal Road), 288.96 (15% RG TB Hospital) ,1271.10 (Area under TATA transmission line)
17.Net Plot area	5805.42 Sq.m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 35656.90 Sqm
	b) Non FSI area (sq. m.): 48080.43 Sq.m
	c) Total BUA area (sq. m.): 83737.33

18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 35656.90
	Approved Non FSI area (sq. m.): 48080.43
	Date of Approval: 29-12-2016
19.Total ground coverage (m2)	3477.60 Sq.m
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	32.80 %
21.Estimated cost of the project	4418200000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Rehab Building	1B (Double Height) + Ground + 22 upper Floors (G + 6 Residential Quarters for hospital Staff + Rehab residential flats & 7 to 22 rehab residential floors)	68.40
2	Sale Building	2B+G+7Podium+ Amenity floor + 46 Upper floors	196.10

23.Number of tenants and shops	Rehab Building: 540 flats Sale Building: 223 Flats Total Flats: 763
24.Number of expected residents / users	Rehab Building: 2160, Sale Building: 1154, total residents: 3314
25.Tenant density per hectare	681.56
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	24.40 m JerbaiWadia road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	7.5m – 9m
29.Existing structure (s) if any	Slums were demolished
30.Details of the demolition with disposal (If applicable)	Not Applicable

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	MCGM
	Fresh water (CMD):	298
	Recycled water - Flushing (CMD):	149
	Recycled water - Gardening (CMD):	4
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	447
	Fire fighting - Underground water tank(CMD):	650
	Fire fighting - Overhead water tank(CMD):	80
	Excess treated water	209
Wet season:	**Source of water**	MCGM
	Fresh water (CMD):	298
	Recycled water - Flushing (CMD):	109
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	447
	Fire fighting - Underground water tank(CMD):	650
	Fire fighting - Overhead water tank(CMD):	80
	Excess treated water	253
Details of Swimming pool (If any)	3 CMD from tanker	

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 3.0 to 3.5 m below ground
	Size and no of RWH tank(s) and Quantity:	Sale – 2 day capacity of 36 cum tank, Rehab - 2 day capacity of 44 cum tank
	Location of the RWH tank(s):	Rehab: Basement, Sale: Basement
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	12 Lakh
	Budgetary allocation (O & M cost) :	1 Lakh per annum
	Details of UGT tanks if any :	Domestic: Rehab 195 CMD + Sale 105 CMD = Total 300 CMD Flushing: Rehab 100 CMD + Sale 52 CMD = Total 152 CMD Rain water harvesting tank: Rehab 44 CMD + Sale 36 CMD = Total 80 CMD Fire Fighting : Rehab 250 CMD + Sale 400 CMD = Total 650 CMD
35.Storm water drainage	**Natural water drainage pattern:**	Strom water drain is laid at a slope of 1: 350 to the municipal outfall outside the plot. Rainwater 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:	0.34 cum/s
	Size of SWD:	600 mm and 1000mm wide drain channel
Sewage and Waste water	**Sewage generation in KLD:**	403 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	2 nos of STP, Rehab: 265 KLD, Sale: 140 KLD
	Location & area of the STP:	Below Ground – Area of STP - Rehab: 200 Sq. m, Sale: 90 Sq. m
	Budgetary allocation (Capital cost):	80 Lakh
	Budgetary allocation (O & M cost):	10.5 Lakh per annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction Debris
	Disposal of the construction waste debris:	Disposal of construction waste will be as per Construction and Demolition and De-silting Waste (Management and Disposal) Rules 2006 at the designated site as directed by the MCGM.
Waste generation in the operation Phase:	**Dry waste:**	895 Kg/day
	Wet waste:	597 Kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	42 Kg/day
	Others if any:	NA

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 landfill 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 authorize vendors.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	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):**	On Ground
	Area for the storage of waste & other material:	Area 40 Sq. m
	Area for machinery:	Total for 2 OWC - Area 20 Sq. m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	20 Lakh
	O & M cost:	3.5 Lakh per annum

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total

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

43.Green Belt Development	**Total RG area :**	625.11 Sq. m
	No of trees to be cut :	Nil
	Number of trees to be planted :	44
	List of proposed native trees :	Sita Ashok, Bakul, Neem, Parijatak, Kadamb
	Timeline for completion of plantation :	After Completion of construction work

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	Saraca asoka	Sita Ashok	10	Shady tree with red-yellow flowers
2	Mimusops elengi	Bakul	8	Shady Tree, white fragrant flowers
3	Azadiracta indica	Neem	9	Large Tree with medicinal value
4	Nyctanthes arbortristis	Parijatak	8	Large tree, good for roadside plantation
5	Anthocephallus cadamba	Kadamb	9	Shady, large tree, ball shaped flowers.
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	B.E.S.T.
	During Construction Phase: (Demand Load)	240 KW
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	8849 KW
	During Operation phase (Demand load):	7079.2 KW
	Transformer:	Transformer size will be decided by vendor
	DG set as Power back-up during operation phase:	2 nos of DG set with 1250 KVA & 630 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	Yes

48.Energy saving by non-conventional method:

Use of Solar PV panels for common area lighting
Use of Solar Hot Water Geyser

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar power + ECBC Savings	15%

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	60 lakh
	O & M cost:	2.5 Lakh/annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water Environment	Drinking water	1.0
2	Health	Sanitation	2.0
3	Health	Health check up	1.0
4	Air Environment	Water for dust suppression	1.0

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)

1	STP & Sewerage network	2 nos of STP, Rehab: 265 KLD, Sale: 140 KLD	80	10.5
2	RWH System	Sale – 2 day capacity of 36 cum tank, Rehab - 2 day capacity of 44 cum tank	12	1
3	Environmental Monitoring	6 monthly monitoring	0	5
4	Solid Waste Management	Organic waste Converter	20	3.5
5	Solar Installation	Solar PV panels & Solar Hot water geyser	60	2.5
6	Landscaping	Plantation & Maintenance of trees	10	1

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

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

52.Any Other Information

No Information Available

53.Traffic Management

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

Parking details:	**Number and area of basement:**	Rehab - 1 Basement – 2090.62 Sq. M. , Sale - 2 Basements: 4456.09 Sq. M.
	Number and area of podia:	Sale – 7 Podium – Area: 10739.19 Sq. M
	Total Parking area:	10739.19 Sq. M.
	Area per car:	13.75 sq. m
	Area per car:	13.75 sq. m
	Number of 2-Wheelers as approved by competent authority:	50
	Number of 4-Wheelers as approved by competent authority:	248
	Public Transport:	NA
	Width of all Internal roads (m):	6.00 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	Category 'B' 8(a) {Building and Construction projects = 20,000 sq. m. and <1,50,000 sq. m. of built-up area }
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	13-04-2018

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

PP Mr. Amit Ruparel & Architect Mr. Rahul were present during the meeting along with environmental consultant M/s. Aditya Environmental Services Pvt. Ltd.

The proposal under consideration is of violation of EIA Notification, 2006 amended time to time. It is noted that PP has applied in Amnesty window period described in notification issued by MoEF & CC vide letter dated 14.03.2017 and 08.03.2018

DECISION OF SEAC

During meeting PP requested to time to submit his say on the proposal, Committee agreed to this & hence, the proposal is deferred

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

Agenda for 89th SEAC-2 meeting scheduled on 20th February, 2019

SEAC Meeting number: 89 **Meeting Date** February 20, 2019

Subject: Environment Clearance for Kalpataru Prime

Is a Violation Case: Yes

1.Name of Project	I. T. Park building on plot no. D-3, in wagle Industrial Area of MIDC at Thane.
2.Type of institution	Private
3.Name of Project Proponent	M/s. Amber Real Estate Ltd.
4.Name of Consultant	M/s. Enviro Analyst and Engineers Pvt. Ltd.
5.Type of project	I. T. Park building
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	NA
8.Location of the project	Plot No. D -3
9.Taluka	Thane
10.Village	Thane
Correspondence Name:	Narendra Lodha
Room Number:	101
Floor:	10th floor
Building Name:	Kalpataru Synergy
Road/Street Name:	Opp. Grand Hyatt
Locality:	Vakola, Santacruz (W)
City:	Mumbai
11.Area of the project	MIDC area within Thane Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Occupation drawings
	IOD/IOA/Concession/Plan Approval Number: MIDC/ DE & PA-III/ SPA/ NP/ D-3/ IFMS - B31040 / 2013 and MIDC/ DE & PA-III/ SPA/ IFMS - A-35281/ 0f 2018
	Approved Built-up Area: 23041.59
13.Note on the initiated work (If applicable)	Construction of the building is completed and occupied.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	11,536.00 sq. mt.
16.Deductions	0.00
17.Net Plot area	11,536.00 sq. mt.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 23,041.59 sq. mt.
	b) Non FSI area (sq. m.): 12,661.78 sq. mt.
	c) Total BUA area (sq. m.): 35703.37
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 23,041.59 sq. mt.
	Approved Non FSI area (sq. m.): 12,661.78 sq. mt.
	Date of Approval: 30-04-2013
19.Total ground coverage (m2)	4717.75 sq. mt.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	40.89 %
21.Estimated cost of the project	1653100000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Bldg. No. 1	1 B + Ground + 5 upper floors	27.45

23.Number of tenants and shops	Office spaces
24.Number of expected residents / users	5531
25.Tenant density per hectare	4794.55
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	12.0 mt. wide road No.16
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	6.0 mt.
29.Existing structure (s) if any	Building is completed.
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	MIDC/ Treated Water
	Fresh water (CMD):	111 KLD
	Recycled water - Flushing (CMD):	138 KLD
	Recycled water - Gardening (CMD):	7 KLD
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	256 KLD
	Fire fighting - Underground water tank(CMD):	300 Cu. m.
	Fire fighting - Overhead water tank(CMD):	40 Cu. m.
	Excess treated water	79 KLD

Wet season:	**Source of water**	MIDC/ Treated Water
	Fresh water (CMD):	111 KLD
	Recycled water - Flushing (CMD):	138 KLD
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	249 KLD
	Fire fighting - Underground water tank(CMD):	300 Cu. m.
	Fire fighting - Overhead water tank(CMD):	40 Cu. m.
	Excess treated water	86 KLD
Details of Swimming pool (If any)	No swimming pool provided.	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	below 4 metres
	Size and no of RWH tank(s) and Quantity:	Not provided
	Location of the RWH tank(s):	Not provided
	Quantity of recharge pits:	6 nos. of pits proposed.
	Size of recharge pits :	6 nos. of pits proposed.
	Budgetary allocation (Capital cost) :	15.0 Lakhs
	Budgetary allocation (O & M cost) :	0.30 Lakhs
	Details of UGT tanks if any :	Fire Fighting U. G. tanks of 300.0 Cu. m. provided.

35.Storm water drainage	**Natural water drainage pattern:**	-
	Quantity of storm water:	Maximum discharge : 0.85 cum/ sec.
	Size of SWD:	Max. Width - 600 mm, Max. Depth : 1100 mm

Sewage and Waste water	**Sewage generation in KLD:**	249 KLD
	STP technology:	SAFF
	Capacity of STP (CMD):	1 no. of 275 KLD capacity
	Location & area of the STP:	Basement
	Budgetary allocation (Capital cost):	30 Lakhs
	Budgetary allocation (O & M cost):	7.74 Lakhs/ year

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction is completed.
	Disposal of the construction waste debris:	-
Waste generation in the operation Phase:	**Dry waste:**	664 Kg/ day
	Wet waste:	443 Kg/ day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	27 kg/ day
	Others if any:	-
Mode of Disposal of waste:	**Dry waste:**	Disposed off through the vendors for recycling
	Wet waste:	Treated in OWC
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as manure
	Others if any:	No
Area requirement:	**Location(s):**	Basement
	Area for the storage of waste & other material:	15.0 sq. mt. with machinery and storage of waste
	Area for machinery:	15.0 sq. mt. with machinery and storage of waste
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	5.10 lakhs
	O & M cost:	1.80 Lakhs/ year

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	mg/ l	6-8	6.5 - 7.5	Not applicable
2	SS	mg/ l	250	50	Not applicable
3	BOD	mg/ l	250	20	Not applicable
4	COD	mg/ l	300	50	Not applicable

5	TDS	mg/ l	0	0	Not applicable
Amount of effluent generation (CMD):	Not applicable				
Capacity of the ETP:	Not applicable				
Amount of treated effluent recycled :	Not applicable				
Amount of water send to the CETP:	Not applicable				
Membership of CETP (if require):	Not applicable				
Note on ETP technology to be used	Not applicable				
Disposal of the ETP sludge	Not applicable				

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	1153.60 sq. mt.
	No of trees to be cut :	-
	Number of trees to be planted :	108 Trees planted
	List of proposed native trees :	-
	Timeline for completion of plantation :	-

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	-	-	-	-
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	Construction is already completed.
	DG set as Power back-up during construction phase	Construction is already completed.
	During Operation phase (Connected load):	3600 KW
	During Operation phase (Demand load):	2500 KW
	Transformer:	2 Nos. of 2500 kVA each
	DG set as Power back-up during operation phase:	2 Nos. of 2000 kVA each
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

- Energy efficient LED, T5 tube light which give more light output for the same watts consumed and therefore require less nos. of fixtures.
- Equipment efficiency standard power factor will be maintained between 0.95 and unity for major equipment like Lift, STP etc. This will reduce electrical power distribution losses in the installation.
- Timer based lighting for parking areas.
- Use of VFD drives in lifts.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	As mentioned above	15 %

50.Details of pollution control Systems

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

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)

1	STP	-	30.0	7.74
2	Gardening	-	26.31	4.20
3	Solid Waste management	-	5.10	1.80
4	RWH	-	15.0	0.30

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1 entry and 1 exit
Parking details:	**Number and area of basement:**	1 Basement with area of 6964.03 sq. mt.
	Number and area of podia:	No podium is provided
	Total Parking area:	7553.24 sq. mt.
	Area per car:	28.18 sq. mt.
	Area per car:	28.18 sq. mt.
	Number of 2-Wheelers as approved by competent authority:	26
	Number of 4-Wheelers as approved by competent authority:	268
	Public Transport:	NA
	Width of all Internal roads (m):	6.0 mt.
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	1.71 Km

	Category as per schedule of EIA Notification sheet	Schedule 8(a), Catagory B
	Court cases pending if any	NA
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

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

PP and Environment Consultant has disclosed that, construction 35703.37 Sq.mt has already been carried out and agreed that it is a violation of EIA Notification. PP informed that, Building completion Certificate & Occupancy certificate received from MIDC- Special Planning Authority vide letter dated 2013.

PP informed that, the project is an information Technology Park situated in Wagle Industrial Estates. The project comprises construction of one Industrial shed having basement + ground floor+5 Upper floors. PP further informed that the project received IGBC gold certification.

Department of Environment has constituted a Committee for formulating Guidelines to Consideration of proposal involving violation of EIA notification, 2006 amended till date in order to asses for the Environmental Damage and for Estimation of Remediation Costs for Building Construction Projects on similar Parameters to avoid any discrepancies. SEAC-2 has been discussed the said guidelines & accordingly additional ToR of remediation plan and natural & community resource augmentation plan.has been finalised in 87th SEAC-2 meeting held on 7/02/2019 committee instructed PP to carry out EIA as per ToR approved & also follow the format which was uploaded & available on website in public domain under 'Public Document of ec website (ec.mpcb.in)

After detailed deliberations on the proposal committee confirmed the case to be of violation of the EIA Notification, 2006 and as per Notification No 1030(E)/1031(E) dated 8th March, 2018 issued by the Ministry of Environment, Forest & Climate Change, decided to issue following Term of Reference for undertaking EIA and preparation of Environment Management Plan (EMP).

DECISION OF SEAC

In view of above, the proposal is deferred and shall be considered only after the compliance of above observations. Further the expansion proposal will be considered only after the violation case is decided.

Specific Conditions by SEAC:

1) PP to submit Project description, its importance and the benefits,
2) PP to submit Project site details (location, top sheet of the study area, coordinates, google map, layout map, land use, geological features and geo-hydrological status of the study area, drainage).
3) PP to submit Land use as per the approved Master Plan of the area, Permission/approvals required from the land owning agencies, Development Authorities, Local Body, Water Supply & Sewerage Board, etc.
4) PP to submit Baseline environmental study for ambient air (PM10, PM2.5, SO2, NOx & CO), water (both surface and ground), noise and soil as per MoEF&CC/CPCB guidelines at minimum 5 to 10 locations in the study area.
5) PP to submit Details on flora and fauna and socio-economic aspects in the study area.
6) PP to submit Likely impact of the project on the environmental parameters (ambient air, surface and ground water, land, flora and fauna and socio-economic, etc),
7) PP to submit Waste water management (treatment, reuse and disposal) for the project and also the study area.
8) PP to submit Management of solid waste and the construction & demolition waste for the project vis-à-vis the Solid Waste Management Rules, and the Construction & Demolition Rules.
9) 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.

Agenda for 89th SEAC-2 meeting scheduled on 20th February, 2019

SEAC Meeting number: 89 **Meeting Date** February 20, 2019

Subject: Environment Clearance for "Growel's 101 Mall" (Shopping Mall and Multiplex)

Is a Violation Case: Yes

1.Name of Project	"Growel's 101 Mall" (Shopping Mall and Multiplex)
2.Type of institution	Private
3.Name of Project Proponent	M/s. Grauer & Weil (India) Limited
4.Name of Consultant	M/s. Ultra-Tech
5.Type of project	Shopping Mall and Multiplex
6.New project/expansion in existing project/modernization/diversification in existing project	The project is an expansion of Growel's 101 Mall
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	The project is an expansion of Growel's 101 Mall Phase I (Wing F) and part of Phase II (Wing A, B & C) are completed and occupied as per Commencement Certificate (CC) & Occupation Certificate (OC) received from MCGM
8.Location of the project	CTS. No. 151, Growel House, Akurli Road, Kandivali (E), Mumbai.
9.Taluka	Akurli
10.Village	Akurli
Correspondence Name:	Mr. Vinod Haritwal (CEO & Director)
Room Number:	--
Floor:	--
Building Name:	CTS 151, Growel House
Road/Street Name:	Akurli Road
Locality:	Kandivali (E)
City:	Mumbai
11.Area of the project	Municipal Corporation of Greater Mumbai (M.C.G.M.)
12.IOD/IOA/Concession/Plan Approval Number	For Wing F - IOD & CC no. - CHE/A-3136 BP(WS)/AR and For Wing A, B & C - IOD & CC no. - CHE/A - 3465/BP(WS)/AR
	IOD/IOA/Concession/Plan Approval Number: For Wing F - IOD & CC no. - CHE/A-3136 BP(WS)/AR and For Wing A, B & C - IOD & CC no. - CHE/A - 3465/BP(WS)/AR
	Approved Built-up Area: 34019.77
13.Note on the initiated work (If applicable)	Total constructed work (FSI + Non FSI): 40,889.58 Sq. mt.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	For Wing F - IOD & CC no. - CHE/A-3136 BP(WS)/AR and For Wing A, B & C - IOD & CC no. - CHE/A - 3465/BP(WS)/AR
15.Total Plot Area (sq. m.)	37,832.90 Sq. mt.
16.Deductions	8,097.02 Sq. mt.
17.Net Plot area	29,735.88 Sq. mt.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 38,089.91
	b) Non FSI area (sq. m.): 20,406.24
	c) Total BUA area (sq. m.): 58496.15
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 34019.77
	Approved Non FSI area (sq. m.): --
	Date of Approval: 03-05-2011
19.Total ground coverage (m2)	11,385.68
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	38 %
21.Estimated cost of the project	201446000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	SHOPPING MALL WITH MULTIPLEX	--	--
2	Phase I (Not under purview of EIA notification)	--	--
3	Existing and Occupied Wings: Wing F	Basement + Ground + 1st to 3rd Upper Floors	17.70 mt.
4	Phase II (Under purview of EIA Notification)	--	--
5	Existing and Occupied Wings: (Constructed between EIA Notification,1994 as amended on 7th July 2004 and 14th September 2006)	Wing A: Ground + 1st to 4th Upper Floor	21.90 mt.
6	Existing and Occupied Wings: (Constructed between EIA Notification,1994 as amended on 7th July 2004 and 14th September 2006)	Wing B: Part Basement + Ground + 1st to 3rd Upper Floor	17.70 mt.
7	Existing and Occupied Wings: (Constructed between EIA Notification,1994 as amended on 7th July 2004 and 14th September 2006)	Wing C: Ground + 1st to 4th Upper Floor	21.90 mt.
8	Phase II	--	--
9	Proposed - Wing D	2 Basements + Ground + 1st to 2nd Upper Floor	12.60 mt.

23.Number of tenants and shops	Shopping Mall and Multiplex
24.Number of expected residents / users	Total Occupancy: 9982 Nos.
25.Tenant density per hectare	--
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	18.30 m wide Akurli road and 61 m Western Express Highway
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Min. 7.5 mt.
29.Existing structure (s) if any	Shopping Mall and Multiplex
30.Details of the demolition with disposal (If applicable)	Not Applicable

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	M.C.G.M./Tanker Water of potable quality
	Fresh water (CMD):	101 (For Domestic: 64 KLD from M.C.G.M. + For part requirement of cooling tower: 15 KLD from Tanker Water of potable quality)
	Recycled water - Flushing (CMD):	145 (For Flushing = 109 KLD + Cooling Tower make up = 35 KLD)
	Recycled water - Gardening (CMD):	1
	Swimming pool make up (Cum):	--
	Total Water Requirement (CMD) :	246 KLD
	Fire fighting - Underground water tank(CMD):	484 KL
	Fire fighting - Overhead water tank(CMD):	90 KL
	Excess treated water	0
Wet season:	**Source of water**	M.C.G.M./RWH/Tanker Water of potable quality
	Fresh water (CMD):	78 (For Domestic: From M.C.G.M.= 47 KLD and From RWH Tanks = 17 KLD And For part requirement of cooling tower: 14 KLD from Tanker Water of potable quality)
	Recycled water - Flushing (CMD):	145 (Flushing = 109 KLD And Cooling Tower make up = 36 KLD)
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	--
	Total Water Requirement (CMD) :	223 KLD
	Fire fighting - Underground water tank(CMD):	484 KL
	Fire fighting - Overhead water tank(CMD):	90 KL
	Excess treated water	0
Details of Swimming pool (If any)	Not applicable	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	--	--	--	--	--	--	--	--	--

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	1.30 mt. to 1.55 mt. below ground level
	Size and no of RWH tank(s) and Quantity:	RWH tank of capacity 44 KL
	Location of the RWH tank(s):	Underground
	Quantity of recharge pits:	Nil
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Rs. 7.40 Lacs
	Budgetary allocation (O & M cost) :	Rs. 0.28 Lacs/annum
	Details of UGT tanks if any :	Basement
35.Storm water drainage	**Natural water drainage pattern:**	Adequate capacity of internal storm water drain with connection to external SWD
	Quantity of storm water:	1.12 m3/sec
	Size of SWD:	Carrying capacity of drain is 20.70 m3/sec
Sewage and Waste water	**Sewage generation in KLD:**	Sewage:159 KLD And Effluent: 1 KLD
	STP technology:	MBBR (Moving Bed Bio Reactor)
	Capacity of STP (CMD):	1 STP of capacity 170 KL And 1 ETP of capacity 10 KL
	Location & area of the STP:	Ground Level
	Budgetary allocation (Capital cost):	Rs. 60.45 Lacs
	Budgetary allocation (O & M cost):	Will be submitted

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Partly shall be reused and remaining shall be disposed to authorized landfill site
	Disposal of the construction waste debris:	--
Waste generation in the operation Phase:	**Dry waste:**	1219 kg/day
	Wet waste:	399 kg/day
	Hazardous waste:	Discarded Containers/Barrels/Liners (33.3) – 0.01 MT And Chemical Sludge, Oil and Grease Skimming Residues (34.4) – 0.01 MT
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	24 kg/day
	Others if any:	--

Mode of Disposal of waste:	**Dry waste:**	To Authorized recyclers
	Wet waste:	Organic Waste Converter
	Hazardous waste:	To CHWTSDF
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Use as manure
	Others if any:	--
Area requirement:	**Location(s):**	Ground level
	Area for the storage of waste & other material:	65 Sq. mt.
	Area for machinery:	12 Sq. mt.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 9.00 Lacs
	O & M cost:	Rs. 1.62 lacs/annum

37.Effluent Charecterestics

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

Amount of effluent generation (CMD):	1 KLD
Capacity of the ETP:	10 KL
Amount of treated effluent recycled :	0.7 KL
Amount of water send to the CETP:	--
Membership of CETP (if require):	--
Note on ETP technology to be used	Conventional treatment
Disposal of the ETP sludge	To CHWTSDF site

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Discarded Containers/Barrels/Liners (33.3)	33.3	MT	0.01 MT	Nil	0.01 MT	To CHWTSDF
2	o Chemical Sludge, Oil and Grease Skimming Residues (34.4)	34.4	MT	0.01 MT	Nil	0.01 MT	To CHWTSDF

39.Stacks emission Details

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

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	--	--	--

41.Source of Fuel	--

42.Mode of Transportation of fuel to site	--

43.Green Belt Development	**Total RG area :**	7543.44 Sq. mt.
	No of trees to be cut :	Nil
	Number of trees to be planted :	Plantation already done: 736 Nos. (83 nos. on site & 653 nos. in the premises of defense which is adjacent to project site)
	List of proposed native trees :	--
	Timeline for completion of plantation :	Already done

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

Power requirement:	**Source of power supply :**	TATA Power
	During Construction Phase: (Demand Load)	As per requirement
	DG set as Power back-up during construction phase	As per requirement
	During Operation phase (Connected load):	Will be submitted
	During Operation phase (Demand load):	Will be submitted
	Transformer:	--
	DG set as Power back-up during operation phase:	For Existing Wing F, A, B and C: 3 nos. DG set of capacity 625 kVA each & 1 no. of 500 kVA ; For Proposed Wing D: 1 DG set of capacity 320 kVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

- Provision of Solar PV Panels for Lighting & Power load
- Use of water pumps with Energy Meter
- Use of Inverter based VRV system
- Use of Regenerative Type Lift system

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Will be submitted	--

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Sewage	--	STP
Solid waste	Organic Waste Convertor	--

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 282.71 Lacs
	O & M cost:	Rs. 6.66 Lacs/annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Dust suppression	0.36
2	Air Environment	Air & Noise monitoring- By outside MoEF & CC Approved Laboratory	0.22
3	Air Environment	Air & Noise monitoring- On site sensors for Air & Noise monitoring	10.50
4	Water Environment	Drinking water analysis	0.18
5	Land Environment	Site Sanitation	3.00
6	Health & Hygiene Environment	Disinfection- Pest Control	1.20
7	Health & Hygiene Environment	Health Check up of workers	2.70
8	Cost towards Disaster management	--	10.54

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air, Noise Environment & Biological Environment	Cost for Gardening	41.49	1.20
2	Air, Noise Environment & Biological Environment	Cost for Ambient air & Noise Monitoring	No set up cost is involved	0.22
3	Air, Noise Environment & Biological Environment	Cost for Maintenance of sensors for Air & Noise monitoring	Set up already considered in construction phase	0.50

4	Air, Noise Environment & Biological Environment	Cost for DG Stack Exhaust Monitoring	No set up cost is involved	0.14
5	Water Environment	Waste water treatment -Cost for sewage Treatment Plant	34.95	Will be submitted
6	Water Environment	Waste water treatment -Cost for effluent Treatment Plant	7.50	Will be submitted
7	Water Environment	Waste water treatment -On site Sensors	18.00	1.00
8	Water Environment	Waste water treatment -Cost for Waste water Monitoring (By outside MoEF Approved Laboratory)	No set up cost is involved	0.05
9	Water Environment	Water Conservation (Rain Water Harvesting System) - Cost for RWH details (RWH tank)	4.40	0.05
10	Water Environment	Water Conservation (Rain Water Harvesting System) - Cost for treatment unit for rain water tanks	3.00	0.01
11	Water Environment	Water Conservation (Rain Water Harvesting System) - Cost for Rainwater Monitoring	No set up cost is involved	0.05
12	Land Environment (Solid Waste Management)	Cost for Treatment of biodegradable garbage in OWC	9.00	1.54
13	Land Environment (Solid Waste Management)	Cost for monitoring of organic manure	No set up cost is involved	0.08
14	Energy Conservation	Solar system	282.71	6.66
15	Cost towards Disaster management	--	144.37	28.87

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
--	--	--	--	--	--	--	--

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 and Exit
Parking details:	**Number and area of basement:**	Two Basements
	Number and area of podia:	Not applicable
	Total Parking area:	11332.16 Sq. mt.
	Area per car:	--
	Area per car:	--
	Number of 2-Wheelers as approved by competent authority:	70 Nos.
	Number of 4-Wheelers as approved by competent authority:	746 Nos.
	Public Transport:	Nil
	Width of all Internal roads (m):	Minimum 6.0 mt.
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park : Approx. 2.00 km
	Category as per schedule of EIA Notification sheet	Category 8 (a) B2
	Court cases pending if any	Nil
	Other Relevant Informations	--
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	06-07-2017

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Representative of PP was present during the meeting along with environmental consultant M/s. Ultra-Tech.

PP and Environment Consultant has disclosed that, construction 40,889.58 Sq. mt. has already been carried out and agreed that it is a violation of EIA Notification. PP informed that, the existing wing F (TBU 12,741.62 Sq.mt) is not under purview of EIA notification as it was constructed prior to 2004. The CC for the same was received in 14/8/2003 & OC in 28/9/2005. PP further informed that, construction for Wing A,B & C (TBU- 28,147.96 Sq.mt) was also done. The CC for the same was received in 27.02.2006 & OC in 07.08.2010

PP stated that, the total plot area is 37,832.90 & Wing D with building configuration 2 Basements + Ground + 1st to 2nd Upper Floor is proposed as expansion along with regularisation of violation of EIA notification 2006.

Department of Environment has constituted a Committee for formulating Guidelines to Consideration of proposal involving violation of EIA notification, 2006 amended till date in order to asses for the Environmental Damage and for Estimation of Remediation Costs for Building Construction Projects on similar Parameters to avoid any discrepancies. SEAC-2 has been discussed the said guidelines & accordingly additional ToR of remediation plan and natural & community resource augmentation plan has been finalised in 87th SEAC-2 meeting held on 7/02/2019 committee instructed PP to carry out EIA as per ToR approved & also follow the format which was uploaded & available on website in public domain under 'Public Document of ec website (ec.mpcb.in)

After detailed deliberations on the proposal committee confirmed the case to be of violation of the EIA Notification, 2006 and as per Notification No 1030(E)/1031(E) dated 8th March, 2018 issued by the Ministry of Environment, Forest & Climate Change, decided to issuing following Term of Reference for undertaking EIA and preparation of Environment Management Plan (EMP).

DECISION OF SEAC

Specific Conditions by SEAC:

1) PP to submit Project description, its importance and the benefits,
2) PP to submit Project site details (location, top sheet of the study area, coordinates, google map, layout map, land use, geological features and geo-hydrological status of the study area, drainage).
3) PP to submit Land use as per the approved Master Plan of the area, Permission/approvals required from the land owning agencies, Development Authorities, Local Body, Water Supply & Sewerage Board, etc.
4) PP to submit Baseline environmental study for ambient air (PM10, PM2.5, SO2, NOx & CO), water (both surface and ground), noise and soil as per MoEF&CC/CPCB guidelines at minimum 5 to 10 locations in the study area.
5) PP to submit Details on flora and fauna and socio-economic aspects in the study area.
6) PP to submit Likely impact of the project on the environmental parameters (ambient air, surface and ground water, land, flora and fauna and socio-economic, etc),
7) PP to submit Waste water management (treatment, reuse and disposal) for the project and also the study area.
8) PP to submit Management of solid waste and the construction & demolition waste for the project vis-à-vis the Solid Waste Management Rules, and the Construction & Demolition Rules.
9) PP to submit real time traffic analysis report.
10) PP to submit chronologically building wise plan approval along with plinth completion CC date, OC date
11) PP to submit architect certificate regarding construction done on site along with FSI, Non FSI area.
12) PP to submit the architect certificate regarding the status of proposed D & E building as approved by local planning authority.
13) PP to submit detail area statement along with RG area.
14) PP to submit the nall remarks.
15) PP to ensure that no nalla should be diverted or covered.
16) During presentation it is noted that some building drawing is shown on DP road at junction of akurli road. PP to clarify the same.
17) PP to provide the all details regarding existing R & D lab on site. Also to submit the copy of consent to establishment & Operate received from MPCB along with inspection report.
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.