85th SEAC-2 Meeting (Day-2)

SEAC Meeting number: 85 **Meeting Date** January 19, 2019

Subject: Environment Clearance for Expansion of ''ACME BOULEVARD'' - Proposed Redevelopment Project by M/s. Acme Realties Pvt. Ltd.

Is a Violation Case: No

1.Name of Project	Expansion of ''ACME BOULEVARD'' - Proposed Redevelopment Project
2.Type of institution	Private
3.Name of Project Proponent	M/s. Acme Realties Pvt. Ltd.
4.Name of Consultant	M/s Enviro Analysts and Engineers Pvt. Ltd.
5.Type of project	Redevelopment Project, (Under DCR 33/(5) of MCGM.)
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in existing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	EC received ((SEIAA-EC-0000000132) dated June 21st , 2017)
8.Location of the project	CTS no.160A/1 (PT) & 162(PT) of village Majas part-1,163 (pt),165 (pt),170 (pt), & 170(c) of village Majas part -3 at Sarvodaya Nagar Mhada layout, sarvodaya Nagar ,Jogeshwari (East),Mumbai 400060.
9.Taluka	Jogeshwari
10.Village	Majas
Correspondence Name:	Mr. Pravin Doshi/Mr. Munish Doshi
Room Number:	5th Floor
Floor:	5th Floor
Building Name:	Solitaire corporate park Building no.10
Road/Street Name:	Andheri – (E)
Locality:	Andheri – (E)
City:	Mumbai
11.Area of the project	Municipal Corporation of Greater Mumbai (MCGM)
12.IOD/IOA/Concession/Plan Approval Number	IOD & Concession Received
	IOD/IOA/Concession/Plan Approval Number: Sale IOD: CHE/WS/0284/K/337 dtd 20th April 2016; MHADA/REHAB IOD: CHE/WS/0282/K/337 dtd 29th March 2016
	Approved Built-up Area: 82037.59
13.Note on the initiated work (If applicable)	The construction work done so far is 75256.54 Sq.mt. for Rehab & SALE component as per previous EC
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NOC from MHADA: 28th March 2014
15.Total Plot Area (sq. m.)	35173.44 sqm
16.Deductions	2334.34 sqm
17.Net Plot area	32839.04 sqm
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 155260
	b) Non FSI area (sq. m.): 167072.11
	c) Total BUA area (sq. m.): 322332.11
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 82037.59
	Approved Non FSI area (sq. m.): .
	Date of Approval: 29-03-2016
19.Total ground coverage (m2)	18393.93
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	56.00 %
21.Estimated cost of the project	6390000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building no 1(T1 & T2)	Pit/Tower parking + ground floor +27 floors.+ fire check.	98.8
2	Building no-2(R1 TO R4)	Gr+3p+19 floors	69.2
3	Building no-4(R5, R6, R7, R8)	R5,R6,R7= Gr+ 22 floors R8 = Gr + 30 floors+ fire check floor.	69.95 to 97.47
4	Building no-3	S1, S2, S3, S6, S7, S8: common Pit+2B+LG+GR+2P+stilt/FLATS/Amenties+26 Floors+ 1fire check floor. (wing S1 TO S8)+clubhouse S4 & S5 = 2B+LG+GR+1P+stilt+26 Floors+ 1fire check floor.	95.87 max

23.Number of tenants and shops	Sale building:1548 Rehab building: 668 Rehab shops: 135 Sale shops: 6 Total: 2357
24.Number of expected residents / users	Sale –7740. Rehab –3340. Rehab Shops-270. Sale shops-106. Total –11456
25.Tenant density per hectare	632 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)	18.30 m wide DP road ;13.40 m wide DP road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.00 m
29.Existing structure (s) if any	Building is being constructed on site as per the earlier EC received
30.Details of the demolition with disposal (If applicable)	Demolition waste handled as per prevailing C& D rule

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):	1020
	Recycled water - Flushing (CMD):	577
	Recycled water - Gardening (CMD):	59
	Swimming pool make up (Cum):	10
	Total Water Requirement (CMD) :	1666
	Fire fighting - Underground water tank(CMD):	AS PER CFO NOC
	Fire fighting - Overhead water tank(CMD):	AS PER CFO NOC
	Excess treated water	507
Wet season:	**Source of water**	MCGM / Recycled water/ RWH
	Fresh water (CMD):	1020
	Recycled water - Flushing (CMD):	577
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	10
	Total Water Requirement (CMD) :	1607
	Fire fighting - Underground water tank(CMD):	AS PER CFO NOC
	Fire fighting - Overhead water tank(CMD):	AS PER CFO NOC
	Excess treated water	566
Details of Swimming pool (If any)	Swimming pool of 71 cum of capacity	

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:**	At 1.5m depth
	Size and no of RWH tank(s) and Quantity:	Total capacity: 739 cum
	Location of the RWH tank(s):	Upper ground floor
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	74.00 lakhs
	Budgetary allocation (O & M cost) :	4.00 lakhs/yr.
	Details of UGT tanks if any :	Sale: Location(s) of the UGT tank(s)- Lower ground floor Rehab: Location(s) of the UGT tank(s)- Upper Ground Floor Plan
35.Storm water drainage	**Natural water drainage pattern:**	Natural slope Towards North – west
	Quantity of storm water:	1.45 m3/sec.
	Size of SWD:	0.60 m x 2.17 m
Sewage and Waste water	**Sewage generation in KLD:**	1270 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	1337 KLD
	Location & area of the STP:	Basement
	Budgetary allocation (Capital cost):	260.00 lakhs
	Budgetary allocation (O & M cost):	39.00 lakhs/yr
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Excavated materials,broken tiles, scarp metals etc
	Disposal of the construction waste debris:	Excavated material to be used for internal road and leveling and excess to be disposed of to authorized landfills Scrap material and other recyclable material like empty cement bags and empty paint cans to be sold to recyclers. Broken Tiles to be used as china mosaic for terrace .
Waste generation in the operation Phase:	**Dry waste:**	2253
	Wet waste:	3399
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	67
	Others if any:	E- waste will be handed over to MPCB authorized dealers

Mode of Disposal of waste:	**Dry waste:**	Collected by recyclers
	Wet waste:	Utilized as manure through Organic Waste composting machine.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Utilized as manure through Organic Waste composting machine.
	Others if any:	E- waste will be handed over to MPCB authorized dealers
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	150 sqm
	Area for machinery:	5 sqm for each machine
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	40.00 Lakhs
	O & M cost:	6.00 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 :**	RG on Ground = 9891.79 sq.m ; RG on podium=1460 sq.m ;Total RG Area Proposed =11351.9 sq.m.
	No of trees to be cut :	55 Nos.
	Number of trees to be planted :	165 Nos.
	List of proposed native trees :	As mentioned in the List of proposed plantation on ground
	Timeline for completion of plantation :	At the time of completion of the project

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	ficus retusa	Nandruk	10	NA
2	Azadirachta indica	Neem	11	NA
3	Erythrina variegata	Pangara	7	NA
4	Tamarandus indicum	Ambli	12	NA
5	Mangifera indica	Aam	19	NA
6	Putranjiva roxburghii	Putranjiva	15	NA
7	Pongamia pinnata	Karanj	11	NA
8	Syzigium cumini	Jamun	10	NA
9	Alstonia scholaris	Satwin	15	NA
10	Cassia fistula	Bahava	10	NA
11	Terminalia cattapa	Badam	15	NA
12	Saraca asoka	Sita ashok	15	NA
13	Cocus nucifera	Nariyal	15	NA
14	Total	NA	165	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	.	.	.

47.Energy

Power requirement:	**Source of power supply :**	Reliance Energy
	During Construction Phase: (Demand Load)	100 KW
	DG set as Power back-up during construction phase	80 kVA
	During Operation phase (Connected load):	42052 kW
	During Operation phase (Demand load):	18165 kW
	Transformer:	02nos. 33/11KV Power Transformers (20MVA each)
	DG set as Power back-up during operation phase:	2 x 1010 KVA ,500 kVA ,750 Kva & 380 KVA
	Fuel used:	High Speed Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Energy saving measures;
Energy saving can be achieved by;
1. Use of Energy efficient lighting system
2. Use of LED/T5
3. Use of energy efficient VVVF motors and drives
4. Use of Solar Hot water

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Overall energy savings	17.24%

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:**	152 lakhs
	O & M cost:	7 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 Environment	Water Sprinkling, Green Belt Development, Covered storage area	15

2	Noise Environment	Noise Baricades and Green Belt Developments	12
3	Water Environment	Modular STP , Drainage with sedimentation tanks	6
4	Good Health Practices	Site Sanitation & Health Care	10
5	Environment Monitoring	Air,water,noise soil monitoring during construction phase	5
6	TOTAL	Total	48

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	40.00	6.00
2	Water Environment	STP	260.00	39.00
3	Energy	Energy	152.00	7.00
4	Water Environment	RWH system	74.00	4.00
5	Landscaping	Landscaping	35.00	7.00

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Existing 18.30 m wide DP road

Parking details:	**Number and area of basement:**	Sale-2 Nos. of Basements. Area: 26255.31 Sq.m.
	Number and area of podia:	Sale-2 Nos. Area: 16246.29 sq. m. Rehab-R1-R4- 9458.31
	Total Parking area:	82749.96 sq. m.
	Area per car:	Basement- 32.00 sq. m. Podium-37.00 sqm ground-27.00 sqm
	Area per car:	Basement- 32.00 sq. m. Podium-37.00 sqm ground-27.00 sqm
	Number of 2-Wheelers as approved by competent authority:	As per approval
	Number of 4-Wheelers as approved by competent authority:	Sale-800 & rehab bldg.- 498
	Public Transport:	NA
	Width of all Internal roads (m):	Min 7.5 m wide drive ways
	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(b) B1
	Court cases pending if any	NA
	Other Relevant Informations	This is to inform you that the project ''ACME BOULEVARD'' - Proposed Redevelopment Project by M/s. Acme Realties Pvt. Ltd. is amendment in EC the project has earlier received ToR in 37th SEAc II meetinng dtaed 04.09.2015 and EIA was appraised in 50th SEAC II dated 06.09.2016
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

DECISION OF SEAC

PP was absent; hence the project is deferred.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

SEAC Meeting number: 85 **Meeting Date** January 19, 2019

Subject: Environment Clearance for Expansion of Dr. Balabhai Nanavati Hospital at Vile Parle, Mumbai

Is a Violation Case: No

1.Name of Project	Expansion of Dr. Balabhai Nanavati Hospital at Vile Parle, Mumbai
2.Type of institution	Private
3.Name of Project Proponent	Dr. Balabhai Nanavati Hospital
4.Name of Consultant	Aditya Environmental Services Pvt. Ltd.
5.Type of project	Hospital
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	CTS number: 1403, 1403/1 to 21 and 1403/35
9.Taluka	Andheri
10.Village	Vile Parle
Correspondence Name:	Dr. Rajendra Patankar
Room Number:	-
Floor:	4th Floor
Building Name:	Dr. Balabhai Nanavati Hospital
Road/Street Name:	S. V. Road
Locality:	Vile Parle (West)
City:	Mumbai
11.Area of the project	Municipal Corporation of Greater Mumbai (MCGM)
12.IOD/IOA/Concession/Plan Approval Number	CE/6538/BS-II/AK dtd 20th April 2016
	IOD/IOA/Concession/Plan Approval Number: CE/6538/BS-II/AK dtd 20th April 2016
	Approved Built-up Area: 26294.08
13.Note on the initiated work (If applicable)	Not Applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	15,960.30 sq. m.
16.Deductions	493.19 sq. m.
17.Net Plot area	15,467.11 sq. m.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 43,925.63 sq. m.
	b) Non FSI area (sq. m.): 24725.59 sq. m.
	c) Total BUA area (sq. m.): 80609
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 43,925.63 sq. m.
	Approved Non FSI area (sq. m.): 24725.59 sq. m.
	Date of Approval: 20-08-2016
19.Total ground coverage (m2)	6636.10 sq. m.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	41.57%
21.Estimated cost of the project	3842000000

22.Number of buildings & its configuration

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

1	Hospital building	3 basements and Ground + 11 floors	44.85 m (up to terrace level)

23.Number of tenants and shops	800 bedded hospital
24.Number of expected residents / users	Census beds: 800, Floating Population: 2000, Staff: 2800, Total: 5600
25.Tenant density per hectare	3688/ 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)	36.6 m wide S. V. Road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.0 m
29.Existing structure (s) if any	350 bedded hospital building, 2 nos. nurses quarters etc.
30.Details of the demolition with disposal (If applicable)	Exiting Priyam Pavilion, 2 Nos nurse's quarters, Annex-1 & Annex-2 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 and recycled water from STP
	Fresh water (CMD):	600
	Recycled water - Flushing (CMD):	129
	Recycled water - Gardening (CMD):	20
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	797
	Fire fighting - Underground water tank(CMD):	250
	Fire fighting - Overhead water tank(CMD):	30
	Excess treated water	348

Wet season:	**Source of water**	MCGM and recycled water from STP
	Fresh water (CMD):	600
	Recycled water - Flushing (CMD):	129
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	777
	Fire fighting - Underground water tank(CMD):	250
	Fire fighting - Overhead water tank(CMD):	30
	Excess treated water	368
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	450	797 (includes existing)	797	15	15 (includes existing)	15	81	605 (includes existing)	605

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	1.5 m
	Size and no of RWH tank(s) and Quantity:	Not Applicable
	Location of the RWH tank(s):	Not Applicable
	Quantity of recharge pits:	3
	Size of recharge pits :	3 m dia. X 5 m deep
	Budgetary allocation (Capital cost) :	Rs. 9 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 0.50 Lakhs/ Annum
	Details of UGT tanks if any :	Fire UGT = 250 cum Municipal Tank = 900 cum STP Treated water tank = 50 cum and 300 cum RO Reject storage tank = 50cum

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:	250 mm dia. pipe
Sewage and Waste water	**Sewage generation in KLD:**	605
	STP technology:	MBBR
	Capacity of STP (CMD):	650
	Location & area of the STP:	Location: Basement-2 & Basement-3, Area: 350 sq. m.
	Budgetary allocation (Capital cost):	Rs. 100 Lakhs
	Budgetary allocation (O & M cost):	Rs. 12 Lakhs/Annum

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction waste: about 1- 3 cu.m./ day, Demolition waste: approx. 3,254.5 cu.m., Excavated substratum: approx 62,421 cu.m.
	Disposal of the construction waste debris:	Debris generated during construction phase will be collected at one place and will be disposed off to MCGM approved land filling sites.
Waste generation in the operation Phase:	**Dry waste:**	454.55 kg/day
	Wet waste:	1704.55 kg/day
	Hazardous waste:	Phase-I: 27.31 kg/month, Phase-II: 35.53 kg/month
	Biomedical waste (If applicable):	Estimated waste (kg/month): Red bags: 9,216.18 (Phase-I), 11,988.52 (Phase-II), Yellow bags: 6,801.74 (Phase-I), 8,847.80 (Phase-II), Blue card boards: 2,063.97 (Phase-I), 2,684.83 (Phase-II), Puncture-proof containers: 294.26 (Phase-I), 382.77 (Phase-II)
	STP Sludge (Dry sludge):	2.4 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:	OWC on site
	Hazardous waste:	Disposed off to Mumbai Waste Management Ltd.
	Biomedical waste (If applicable):	Disposed off to CBWFT through M/s. SMS Envoclean BMW Management (P) Ltd.
	STP Sludge (Dry sludge):	To be mixed with wet waste and converted to compost.
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	As South West corner of new bldg area on Ground
	Area for the storage of waste & other material:	100 sq. m.
	Area for machinery:	14 sq. m.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 22 Lakhs
	O & M cost:	Rs. 2.0 Lakhs

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	-	6.0-8.5	6.0-8.5	6.0-8.5
2	BOD5	mg/L	250-400	10	10
3	COD	mg/L	600-800	30	30
4	SS	mg/L	200-450	Less than 10	Less than 10
5	Oil & Grease	mg/L	Up to 20	Less than 10	Less than 10
6	TDS	mg/L	400-450	Less than 1000	Less than 1000
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	Xylem	Not applicable	kg	15.63	Phase I: 27.31 kg/ month Phase II: 35.53 kg/ month	35.53 kg/ month	Disposed off to Mumbai Waste Management Ltd.

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	1875 KVA DG Set -1, 1875 KVA DG Set -2, 1875 KVA DG Set -3	High Speed Diesel, 990 L X 2 tank	3	30 m	400 mm	275 deg.C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	High Speed Diesel	990 L	990 L X 2 tanks	990 L X 2 tanks
41.Source of Fuel		Local petrol pump		
42.Mode of Transportation of fuel to site		Tanker		

43.Green Belt Development	**Total RG area :**	2288.69 sq. m.
	No of trees to be cut :	26 numbers of trees will be cut.
	Number of trees to be planted :	34 number of trees will be transplanted, additional 78 trees will be planted.
	List of proposed native trees :	Please refer to Sr. No. 45 below.
	Timeline for completion of plantation :	Before 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	Lignum vitae	Neelam tree	2	Beautiful purple flowering plant, Heavy wood having great demand in market
2	Polyanthia longifolia	Ashoka	15	Ornamental tree, tolerant to air pollution & is effective in alleviating noise pollution.
3	Albizia lebbeck	Shirish	3	Provides shading, flowers used for decoration purpose
4	Areca catechu	Supari tree	9	Tall tree, flowering plant, seeds edible
5	Cassia fistula	Bahava	8	Ornamental tree, attracts birds & insects
6	Pongamia pinnata	Karanj tree	2	Ornamental tree & host tree for lac insect, insects feeds on the tree
7	Plumeria alba	Chafa tree	5	Flowering plant
8	Bismarkia nobilist	Palm trees	12	Ornamental tree
9	Mangifera indica	Mango tree	8	Seasonal & edible fruits, provides shade
10	Terminalia catappa	Badam tree	6	Edible fruits, bird feeds on fruits
11	Magnolia champaca	Champa	8	Flowering plant
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	Reliance Energy
	During Construction Phase: (Demand Load)	100 kVA
	DG set as Power back-up during construction phase	125 kVA
	During Operation phase (Connected load):	4788 kW
	During Operation phase (Demand load):	3830 kW
	Transformer:	2 transformers of 2500 kVA
	DG set as Power back-up during operation phase:	3 X 1875 kVA (100% backup)
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	Not Applicable

48.Energy saving by non-conventional method:

Energy savings measures:
• LED light fixtures, transformer efficiency as per ECBC norms

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Power saving for chiller in one year = 10,17,900 kWh	10%
2	Power saving due to VFD in Pumps in one year = 81,000 kWh	20%
3	Power saving due to VFD in AHU in one year = 1,665 kWh	20%

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air and Noise pollution from DG Sets	Stack height as per CPCB requirements, Acoustic enclosures as per EP Act	Stack height as per CPCB regulations. As per the CPCB regulations, DG sets will be installed in acoustic enclosures.
Sewage	Existing STP on site	Existing STP to be demolished and proposed STP to be installed in new proposed building
Solid waste	Existing OWC on site	New OWC to be installed
Bio-medical waste	Disposed off to CBWFTFS through M/s. SMS Envoclean BMW Management (P) Ltd	Disposed off to CBWFTFS through M/s. SMS Envoclean BMW Management (P) Ltd
Hazardous Waste	Disposed off to Mumbai Waste Management Ltd.	Disposed off to Mumbai Waste Management Ltd.

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	STP = Rs. 50 lakhs, OWC = Rs. 20 lakhs
	O & M cost:	STP = Rs. 5 lakhs/month, OWC = Rs. 1.6 lakhs/month

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Demolition waste/ Debris disposal	NA	4.00
2	Toilets for labour + drinking water + first aid arrangement	NA	2.00
3	Health and Safety of Labourers	NA	15.00
4	Monitoring of Environmental Parameters	NA	1.00
5	Environment monitoring cell	NA	3.00

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	NA	Sewage Treatment Plant	100.0	12.0
2	NA	Solid Waste Management	30.0	2.40
3	NA	Rain Water Harvesting	3.0	0.2
4	NA	Green Belt	7.00	4.00
5	NA	Energy saving features + Solar Water Heater/ Solar Power	10.0	0.25
6	NA	Fire Fighting measures	961.0	6.20
7	NA	Monitoring of Environmental Parameters	-	2.00
8	NA	Environment monitoring cell	-	2.50

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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Xylem	Liquid	Bottles	16.95 kg	16.95 kg	15.63	Fisher Scientific	By hand

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Direct access to S. V. Road and Sarojini Road extension
Parking details:	**Number and area of basement:**	17809.70 sq. m.
	Number and area of podia:	Not Applicable
	Total Parking area:	7250.65 sq. m.
	Area per car:	150 sq. m.
	Area per car:	150 sq. m.
	Number of 2-Wheelers as approved by competent authority:	Not Applicable
	Number of 4-Wheelers as approved by competent authority:	366, 8 ambulances
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	Minimum 4.5 m
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable
	Category as per schedule of EIA Notification sheet	8(a)
	Court cases pending if any	Not applicable
	Other Relevant Informations	Not applicable
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Representative of PP Mr. Survesh Kumar & Architect Mr. Mohan Gir were present during the meeting along with environmental consultant M/S. Aditya Environmental Services Pvt. Ltd.

PP stated that, they have not listed the existing structures in consolidated statement. Committee noted that PP & Environment consultant have not revised the *consolidated statement & also not bring the copies of revised CS.* ***Therefore the project is deferred & only considered after submission of correct information.***

DECISION OF SEAC

The project is deferred & only considered after submission of correct information.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

85th SEAC-2 Meeting (Day-2)

SEAC Meeting number: 85 **Meeting Date** January 19, 2019

Subject: Environment Clearance for Expansion in Environmental Clearance (EC) for our Residential Development project at village Kavesar, Waghbil Road, Off Ghodbunder Road, Thane, State- Maharashtra.

Is a Violation Case: No

1.Name of Project	Expansion in Environmental Clearance (EC) for our Residential Development project at village Kavesar, Waghbil Road, Off Ghodbunder Road, Thane, State- Maharashtra.
2.Type of institution	Private
3.Name of Project Proponent	M/s. Shree Sachdhanand Developers
4.Name of Consultant	M/s. Ultra-Tech
5.Type of project	Residential Development with shops
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in existing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	The project has received earlier Environmental Clearance dated 20th January, 2011
8.Location of the project	Plot bearing CTS no. S. no. 228, 227/4, 227/3, 227/2B, 227/2C, 226/1, 2, 3, 106 (PT)
9.Taluka	Thane
10.Village	Kavesar
Correspondence Name:	M/s. Shree Sachdhanand Developers
Room Number:	C-104
Floor:	--
Building Name:	PALACIA
Road/Street Name:	Near Corsica building, opp. Swastik Regalia, Waghbil
Locality:	Behind Hiranandani Estate
City:	Thane (W)
11.Area of the project	Thane Municipal Corporation (T.M.C.)
12.IOD/IOA/Concession/Plan Approval Number	Building A, B & C: Approval TMC/TD-DP/TPS/75 dated 26/09/2017. Building E, F, G, H, I & J: Occupancy Received V. P. No. 2007/15 TMC/TDD 219 Dated 14.01.2016. Building D: Approval V. P. No. 2007/15 TMC/TDD/5 dated 07.04.2018.
	IOD/IOA/Concession/Plan Approval Number: Building A, B & C: Approval TMC/TD-DP/TPS/75 dated 26/09/2017. Building E, F, G, H, I & J: Occupancy Received V. P. No. 2007/15 TMC/TDD 219 Dated 14.01.2016. Building D: Approval V. P. No. 2007/15 TMC/TDD/5 dated 07.04.2018.
	Approved Built-up Area: 39440.21
13.Note on the initiated work (If applicable)	The project has received earlier Environmental Clearance dated 20th January, 2011. Total constructed area (FSI and Non-FSI) on site till date: 61,986.30 Sq. mt.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	--
15.Total Plot Area (sq. m.)	33,320.00 Sq. mt.
16.Deductions	11,330.09 Sq. mt.
17.Net Plot area	21,989.91 Sq. mt.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 39,412.93 Sq. mt.
	b) Non FSI area (sq. m.): 28,559.81 Sq. mt.
	c) Total BUA area (sq. m.): 67972.74
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 39,440.21 Sq. mt.
	Approved Non FSI area (sq. m.): 23,123.25 Sq. mt.
	Date of Approval: 26-09-2017
19.Total ground coverage (m2)	7370.00 Sq. mt.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	33.5 %

21.Estimated cost of the project	958340204

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Type A	Gr/ST (PT) + 20 Floors	62.25
2	Type B	Gr/ST (PT)+ 20 Floors	62.25
3	Type C	Stilt + 20 Floors	62.25
4	Type D	Ground + 2 Floors	13.05
5	Type E	Stilt + 16 Floors	50.05
6	Type F	Stilt + 16 Floors	50.05
7	Type G	Stilt + 16 Floors	50.05
8	Type H	Stilt + 16 Floors	50.05
9	Type I	Gr/ST (PT)+ 16 Floors	50.05
10	Type J	Gr/ST (PT)+ 16 Floors	50.05
11	Club House	Ground + 1 Floor	8.00

23.Number of tenants and shops	Residential Flats: 707 Nos. Shops: 70 Nos.
24.Number of expected residents / users	3945 Nos.
25.Tenant density per hectare	322/hectors
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	It is well connected with 40 mt. wide D.P. Road on west and 30 mt. wide D.P. Road on south.
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	09 mt.
29.Existing structure (s) if any	Construction done on site as per EC received
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**	T.M.C./ Tanker water for Swimming pool make up
	Fresh water (CMD):	Domestic: 320 KLD
	Recycled water - Flushing (CMD):	Flushing: 163 KLD and Car wash: 44 KLD
	Recycled water - Gardening (CMD):	38 KLD
	Swimming pool make up (Cum):	03
	Total Water Requirement (CMD) :	568 KLD
	Fire fighting - Underground water tank(CMD):	1400
	Fire fighting - Overhead water tank(CMD):	220
	Excess treated water	176 KLD
Wet season:	**Source of water**	T.M.C./ Partly by RWH / Tanker water for Swimming pool make up
	Fresh water (CMD):	Domestic: 320 KLD (286 form T.M.C. + 34 KLD from RWH)
	Recycled water - Flushing (CMD):	Flushing: 163 KLD and Car wash: 44 KLD
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	03
	Total Water Requirement (CMD) :	530 KLD
	Fire fighting - Underground water tank(CMD):	1400
	Fire fighting - Overhead water tank(CMD):	220
	Excess treated water	214 KLD
Details of Swimming pool (If any)	176.3 cum	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Between 1.2 m. and 7.3 m. below ground surface
	Size and no of RWH tank(s) and Quantity:	RWH tank of 255 KL capacity
	Location of the RWH tank(s):	Ground level
	Quantity of recharge pits:	23 nos. of recharge pits are proposed
	Size of recharge pits :	1.5mt dia x 8mt depth& volume is 7.20 cum.
	Budgetary allocation (Capital cost) :	Rs. 35.40 Lacs
	Budgetary allocation (O & M cost) :	Rs. 1.65 Lacs/annum
	Details of UGT tanks if any :	Location of UG tanks: Underground
35.Storm water drainage	**Natural water drainage pattern:**	The storm water collected through the storm water drains of adequate capacity will be discharged in to the municipal SWD.
	Quantity of storm water:	0.48 m3/sec
	Size of SWD:	600 mm wide drain channel with slope 1:400
Sewage and Waste water	**Sewage generation in KLD:**	467 KLD
	STP technology:	MBBR (Moving Bed Bio Reactor)
	Capacity of STP (CMD):	1 no. of STP of total capacity 500 KL
	Location & area of the STP:	Location: Underground and Area: 390 Sq. mt.
	Budgetary allocation (Capital cost):	Rs. 84.20 Lacs
	Budgetary allocation (O & M cost):	Rs. 25.55 Lacs/annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	--
	Disposal of the construction waste debris:	Construction waste shall be disposed to the authorized landfill site.
Waste generation in the operation Phase:	**Dry waste:**	744 Kg/day
	Wet waste:	1129 Kg/day
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	64 kg/day
	Others if any:	Not Applicable

Mode of Disposal of waste:	**Dry waste:**	To T.M.C
	Wet waste:	Organic Waste Convertor
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Use as manure
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	55 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. 4.34 Lacs/annum

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

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 :**	On ground: 1,851.63 Sq. mt. and On Podium: 4,773.03 Sq. mt.
	No of trees to be cut :	Nil
	Number of trees to be planted :	126 nos. of trees are already planted on site and 89 nos. of trees shall be planted
	List of proposed native trees :	As shown below
	Timeline for completion of plantation :	At the time of completion of project

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Bauhinia blackeana	Orchid	34	The fragrant, orchid-like flowers are usually 10 to 15 centimetres. Flowering tree
2	Mimusops elengi	Cherry	44	Green small tree of the Indian subcontinent. With its small shiny, thick, narrow, pointed leaves, straight trunk and spreading branches, it is a prized ornamental specimen because it provides a dense shade
3	Plumeria singaporensis	Plumeria	31	Ornamental plant that is planted for its profuse and fragrant flowers. Beautiful flowers, good for open areas
4	Khaya senegalensis	African mahogany	23	The bark is dark grey to grey-brown while the heartwood is brown with a pink-red pigment made up of coarse interlocking grains. The tree is characterized by leaves arranged in a spiral formation clustered at the end of branches. The white flowers are sweet-scented; the fruit changes from grey to black when ripening.
5	Azadirachta indica	Neem	18	Neem leaves are dried in India and placed in cupboards to prevent insects eating the clothes, and also in tins where rice is stored. Also used as ayurvedic herb, neem is also used in baths.
6	Millingtonia hortensis	Jasmine	7	Jasmine can be either deciduous (leaves falling in autumn) or evergreen (green all year round), and can be erect, spreading, or climbing shrubs and vines. Their leaves are born, opposite or alternate. They can be simple, trifoliate, or pinnate.
7	Lagerstroemia speciosa	Pride of india	4	Pride of India is a fast-growing, medium-sized, deciduous, sub-canopy tree with an upright, round crown. The tree is harvested from the wild for local use as a medicine and source of materials. The wood is of good quality.

8	Nycranthes arbortristis	Night-flowering jasmine	2	Nyctanthes arbor-tristis is a shrub or a small tree growing to 10 m (33 ft) tall, with flaky grey bark. The flowers are fragrant, with a five- to eight-lobed white corolla with an orange-red centre.
9	Phyllanthus acidus	Star Gooseberry	3	The genus name Phyllanthus is derived from Greek words meaning leaf-flower, an allusion to the apparent bearing of flowers on the leaves. The species name acidus is on account of the acidity of the fruit.
10	Saraca indica	Ashoka	4	Fragrant flowers are orange or orange yellow in colour. Fruit is a four to eight seeded, flat and black coloured, leathery pod. The pod is dehiscent, woody, and tapering at both ends.
11	Plumeria alba	White frangipani	15	It is cultivated as an ornamental plant. In Cambodia pagodas especially choose this shrub, with the flowers used in ritual offerings to the deities, they are sometimes used to make necklaces which decorate coffins.
12	Cocos nucifera	Coconut	1	The coconut palm is grown throughout the tropics for decoration, as well as for its many culinary and nonculinary uses; virtually every part of the coconut palm can be used by humans in some manner and has significant economic value.
13	Ficus racemosa	Cluster fig	2	The tree is harvested from the wild for local use as a food and medicine. It is often cultivated, both for its fruit and also as a shade tree in plantations and an ornamental tree in parks, large gardens etc.
14	Broussonetia papyrifera	Wild mulberry	5	The ripe fruit is edible and is widely used in pies, tarts, wines, cordials, and herbal teas. The fruit of the black mulberry (native to southwest Asia) and the red mulberry (native to eastern North America) have the strongest flavor, which has been likened to 'fireworks in the mouth'.
15	Thespesia populnea	Pacific rosewood	3	It is used to make the thavil, a Carnatic musical instrument of South India. Milo is popular in Hawaii for woodworking (commonly turned into bowls) because of the range of colours expressed (tan, through yellow, to red).

16	Alstonia scholaris	Devil Tree	15	The wood of Alstonia scholaris has been recommended for the manufacture of pencils, as it is suitable in nature and the tree grows rapidly and is easy to cultivate. In Sri Lanka its light wood is used for coffins.
17	Phoenix dactylifera	Date palm	1	It is a flowering plant species in the palm family, Arecaceae, cultivated for its edible sweet fruit. Although its place of origin is unknown because of long cultivation.
18	Bombax ceiba	Cotton tree	1	It is commonly known as cotton tree. More specifically, it is sometimes known as red silk-cotton; red cotton tree; or ambiguously as silk-cotton or kapok, both of which may also refer to Ceiba pentandra. This Asian tropical tree has a straight tall trunk and its leaves are deciduous in winter. Red flowers with 5 petals appear in the spring before the new foliage.
19	Pongamia pinnata	Indian Beech Tree	1	It is an evergreen flowering plant.
20	Tectona grandis	Teak	1	Teak is one of the most important timbers in the world - a rare combination of superior physical and mechanical properties makes it a paragon of timber, and there is no likelihood of it being eclipsed by any other.
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	--
	DG set as Power back-up during construction phase	--
	During Operation phase (Connected load):	10059 KW
	During Operation phase (Demand load):	5487 KW
	Transformer:	5 no. of Transformer of 990 KVA capacity
	DG set as Power back-up during operation phase:	3 DG sets of 180 KVA, 320 KVA and 500 KVA capacity
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	No

48.Energy saving by non-conventional method:

• 30% 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 motors with VFD control use as per different stages & Time.
• All water pump motors will be used High Efficiency motors with High low level sensors.
• LED light with timer control operated to reduce amount of light at different stages and with solar power backup.
• BEE 5 star rated AC unit considered.
• Solar hot water provision

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Overall energy saving	20%

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 94.00 Lacs
	O & M cost:	Rs. 2.82 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	Water for Dust Suppression	1.80

2	Air Environment	Air and Noise Monitoring: On site Sensors	10.5
3	Air Environment	Air and Noise Monitoring: By outside MoEF & CC Approved Laboratory	0.22
4	Water Environment	Drinking water analysis	0.18
5	Land Environment	Site Sanitation	5.00
6	Health & Hygiene	Disinfection- Pest Control	1.20
7	Health & Hygiene	Health Check-up of workers	1.50

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	AIR & NOISE ENVIRONMENT - Ambient Air quality & Noise Monitoring	By outside MoEF & CC Approved Laboratory	*No set up cost is involved	0.22
2	AIR & NOISE ENVIRONMENT- Cost for DG Stack Exhaust Monitoring	03 nos. of stacks	*No set up cost is involved	0.14
3	AIR & NOISE ENVIRONMENT - Cost for Plantation	6624.66 Sq. mt. of RG area	36.44	1.20
4	WATER ENVIRONMENT - Waste water treatment	Cost for sewage Treatment Plant	84.20	25.55
5	WATER ENVIRONMENT - Cost for water & waste water Monitoring	By outside MoEF & CC Approved Laboratory	*No set up cost is involved	0.027
6	WATER ENVIRONMENT - Water Conservation (Rain Water Harvesting System)	Cost for Recharge pits	6.90	0.35
7	WATER ENVIRONMENT - Water Conservation (Rain Water Harvesting System)	Cost for RWH tanks	25.50	1.28
8	WATER ENVIRONMENT - Water Conservation (Rain Water Harvesting System)	Cost for treatment unit for Rain Water collected in tanks	3.00	0.01
9	WATER ENVIRONMENT - Water Conservation (Rain Water Harvesting System)	Cost for Rainwater Monitoring	*No set up cost is involved	0.02

10	LAND ENVIRONMENT - Solid Waste Management	Cost for Treatment of biodegradable garbage in OWC	9.00	4.26
11	LAND ENVIRONMENT - Solid Waste Management	Environmental Monitoring	*No set up cost is involved	0.08
12	ENERGY CONSERVATION - Use of renewable energy	Solar Panels	94.00	2.82
13	Cost towards disaster management	--	30.00	1.50

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	One Entry and exit
Parking details:	**Number and area of basement:**	Not Applicable
	Number and area of podia:	Not Applicable
	Total Parking area:	3,438.89 Sq. mt.
	Area per car:	16 Sq. mt.
	Area per car:	16 Sq. mt.
	Number of 2-Wheelers as approved by competent authority:	739 nos.
	Number of 4-Wheelers as approved by competent authority:	763 nos.
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	Min 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
	Category as per schedule of EIA Notification sheet	8 (b) B2
	Court cases pending if any	Not Applicable
	Other Relevant Informations	--
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	10-09-2018

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

PP was absent during the meeting but letter dated 17th January, 2019 submitted by Environment Consultant was taken on record. As per letter the proposal was listed in 144th SEIAA meeting held on 25/10/2018 therefore Environment Consultant requested to transfer the proposal to SEIAA portal.MS,SEAC-2 to do needful after verification.

DECISION OF SEAC

Specific Conditions by SEAC:

FINAL RECOMMENDATION

Kindly find SEAC decision above.

85th SEAC-2 Meeting (Day-2)

SEAC Meeting number: 85 **Meeting Date** January 19, 2019

Subject: Environment Clearance for Expansion of Acme Avenue at plot bearing CTS no 3A/1 (pt) & 467 (pt), Village: Charkop & kandivali, at Bhabrekar Nagar, Kandivali West, Mumbai 400067 by M/s. Dharmesh Constructions Pvt. Ltd.

Is a Violation Case: No

1.Name of Project	Expansion of Acme Avenue (under SRA scheme)
2.Type of institution	Private
3.Name of Project Proponent	M/s. Dharmesh Constructions Pvt. Ltd.
4.Name of Consultant	M/s. Enviro Analysts and Engineers 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	Environmental clearance obtained on 7th October 2014 Vide letter no. SEAC-2010/CR-515/TC-1. EC has been received for total construction area of 97358.62 sq.m .
8.Location of the project	CTS no 3A/1 (pt) & 467 (pt), Village: Charkop & kandivali, at Bhabrekar Nagar, Kandivali West, Mumbai 400067.
9.Taluka	Borivali
10.Village	Charkop & kKndivali
Correspondence Name:	M/s. Dharmesh Constructions Pvt. Ltd.
Room Number:	35/A
Floor:	-
Building Name:	Laram Centre
Road/Street Name:	S.V. Road
Locality:	Andheri West
City:	Mumbai
11.Area of the project	Municipal Corporation of Greater Mumbai
12.IOD/IOA/Concession/Plan Approval Number	IOA Received
	IOD/IOA/Concession/Plan Approval Number: SALE IOA-SRA/ENG/2708/RS/STGL/AP , REHAB IOA-SRA/ENG/2385/RS/STGL/AP
	Approved Built-up Area: 52995.83
13.Note on the initiated work (If applicable)	As per the previous EC received, total constructed area till date is 45803.94 sq.m.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	LOI obtained vide letter no. SRA/ENG/1192/RS/STGL/LOI dtd 6th June 2017
15.Total Plot Area (sq. m.)	16254.0 sq.m.
16.Deductions	2653.60 sq.m.
17.Net Plot area	13600.40 sq.m.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 60711.95
	b) Non FSI area (sq. m.): 42310.78
	c) Total BUA area (sq. m.): 103754.54
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 52995.83
	Approved Non FSI area (sq. m.): 41815.45
	Date of Approval: 17-06-2017
19.Total ground coverage (m2)	7702.74 sqm.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	53.44 %
21.Estimated cost of the project	2460000000.00

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Rehab: Wing B	G+14 floors	43.86
2	Rehab: Wing C	G+14 (pt) floors	40.97
3	Rehab: Wing D	G+15 floors	48.10
4	Rehab: Wing E	G+18 (Pt) floors	56.80
5	Rehab: Wing F	G+18 floors	56.94
6	Sale: Wing A	St+3P+1st to 17th+fire check+18th to 36 floors	125.90
7	Sale: Wing B	ST+3P+1st to 17th+fire check+18th to 26 floors	95.90
8	Commercial building	Ground shops +shops/office+1 service floor	9.39
9	Industrial Bldg	G + 7 floors	26.20

23.Number of tenants and shops	Rehab Building: Residential: 643 nos. (Resi + PAP's) R/C: 27 nos. Commercial: 58 nos. Total: 728 nos. BWS: 21 nos. Temple: 1 no. Sale bldg.: Residential: 416 nos. Commercial bldg.: Shops-11 nos. Office-3 nos. Industrial Bldg: 11 nos.
24.Number of expected residents / users	Rehab: 3524; Sale- 2090; Commercial: 645; Industrial: 385; Total:6644
25.Tenant density per hectare	799 Tenant 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)	Access through 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	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**	MCGM / treated water from STP
	Fresh water (CMD):	508
	Recycled water - Flushing (CMD):	262
	Recycled water - Gardening (CMD):	8
	Swimming pool make up (Cum):	8
	Total Water Requirement (CMD) :	786
	Fire fighting - Underground water tank(CMD):	875
	Fire fighting - Overhead water tank(CMD):	230
	Excess treated water	356
Wet season:	**Source of water**	MCGM / treated water from STP/RWH
	Fresh water (CMD):	508
	Recycled water - Flushing (CMD):	262
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	770
	Fire fighting - Underground water tank(CMD):	875
	Fire fighting - Overhead water tank(CMD):	230
	Excess treated water	364
Details of Swimming pool (If any)	Swimming pool makeup: 2 KLD Swimming pool backwash: 6 KLD	

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:**	2.5 to 3 m below ground
	Size and no of RWH tank(s) and Quantity:	Rehab building: 2 nos. of RWH tank of 62 cum & 68 cum ;Sale building: 2 nos. of RWH tank of 45 cum each ;Industrial Building: 1 no.16 cum & Commercial building: 1 no. of 20 cum
	Location of the RWH tank(s):	Below ground level
	Quantity of recharge pits:	Nil
	Size of recharge pits :	Nil
	Budgetary allocation (Capital cost) :	Rs. 67 lakhs
	Budgetary allocation (O & M cost) :	Rs. 3.35 lakhs/year
	Details of UGT tanks if any :	Domestic Water Tank : 512 cum Flushing Water Tank : 266 cum Fire Water Tank : 875 cum
35.Storm water drainage	**Natural water drainage pattern:**	North to South & east to west
	Quantity of storm water:	0.314 cum/sec
	Size of SWD:	600 mm X 1100 mm
Sewage and Waste water	**Sewage generation in KLD:**	681 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	409KLD, 265 KLD, 15 KLD
	Location & area of the STP:	Below ground level
	Budgetary allocation (Capital cost):	Rs. 73 Lakhs
	Budgetary allocation (O & M cost):	Rs. 5 Lakhs/year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Recyclable waste will be generated like empty cement bags & cans, scrap metal etc. Debris & construction waste shall be generated.
	Disposal of the construction waste debris:	Recyclable waste like empty cement bags & empty paint cans shall be handed over to local vendors. Broken tiles shall be used for china mosaic of terrace. Scrap metals shall be sold to recyclers
Waste generation in the operation Phase:	**Dry waste:**	1209 kg/day
	Wet waste:	1837 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	17 kg/day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	To be handed over to Local Recyclers for recycling.
	Wet waste:	To be processed in the OWC. Manure obtained shall be used for landscaping / Gardening
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	To be used as a manure
	Others if any:	NA
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	120 sq.m
	Area for machinery:	5 sq.m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 22 Lakhs
	O & M cost:	Rs. 4.5 lakhs/year

37.Effluent Charecterestics

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

Amount of effluent generation (CMD):	Not applicable
Capacity of the ETP:	Not applicable
Amount of treated effluent recycled :	Not applicable
Amount of water send to the CETP:	Not applicable
Membership of CETP (if require):	Not applicable
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 :**	2531.43 sq.m
	No of trees to be cut :	3 nos.
	Number of trees to be planted :	412 nos.
	List of proposed native trees :	As listed below
	Timeline for completion of plantation :	At the time of completion of the project

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Alstonia scholaris	Blackboard tree	15	Evergreen tree
2	Melia azederach	White cedar	22	Evergreen tree
3	Callistemon lanceolatus	Crimson Bottlebrush	16	Ornamental tree
4	Bauhinia acuminata	White Orchid-tree	18	Flowering tree
5	Cordia sebastina	Orange Geiger tree	26	Evergreen tree
6	Polyalathia longifolia	Mast Tree	13	Evergreen tree
7	Millingtonia hortensis	Indian Cork tree	40	Flowering tree
8	Murraya paniculata	Orange Jessamine	23	Flowering tree
9	Lagerstroemia Thorelli	Crape myrtle	52	Flowering tree
10	Fillicium decipiens	Japanese Fern tree	20	Evergreen tree
11	Erythrina crystagalli	Coral Tree	31	Flowering tree
12	Plumeria alba	white frangipani	32	Flowering tree
13	Cassia siamea	Kassod tree	26	Flowering tree
14	Plumeria rubra	Red frangipani	23	Flowering tree
15	Mimusops elengi	Spanish cherry	20	Evergreen tree
16	Azadirachta indica	Neem	35	Medicinal Tree
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	Reliance
	During Construction Phase: (Demand Load)	150 kW
	DG set as Power back-up during construction phase	200 kVA
	During Operation phase (Connected load):	12056 kW
	During Operation phase (Demand load):	4126 kW
	Transformer:	2400 KVA
	DG set as Power back-up during operation phase:	2 nos. of 250 KVA & 1 X 62 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

- 30% of External lighting on solar.
- Lifts will be with VFD drives and soft starters, which will result in overall 20 % power saving.
- Common Area Lighting, mainly LED lights with timer control operation with solar backup
- Solar Hot Water Generation for apartment

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total energy savings	11 %

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. 35 Lakhs
	O & M cost:	Rs. 0.8 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 sprinkling	Water sprinkling	10
2	Health, safety & first aid facility	Health, safety & first aid facility	8
3	Sanitary facility and waste water management	Sanitary facility and waste water management	12
4	Environmental Monitoring	Environmental Monitoring	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	Water Environment	STP	79.4	26.6
2	Water Environment	RWH	67	3.35
3	Land Environment	Gardening	6.18	1.23
4	Solid waste management	OWC	22	4.5
5	Energy	Energy Saving	35	0.8

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:	The project site is accessible through the existing 13.40 M & 18.30 m wide DP road
Parking details:	**Number and area of basement:**	1 Basement of area 715.99 sq.m
	Number and area of podia:	3 nos. of podia, Area: 10,257.75 sq.m
	Total Parking area:	14,557.18 sq.m
	Area per car:	31.17 sq.m
	Area per car:	31.17 sq.m
	Number of 2-Wheelers as approved by competent authority:	Nil
	Number of 4-Wheelers as approved by competent authority:	467 nos.
	Public Transport:	nil
	Width of all Internal roads (m):	6 m wide
	CRZ/ RRZ clearance obtain, if any:	NA

	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park (Aerial distance - 5.90 km, Travelling distance – 6.5 km)
	Category as per schedule of EIA Notification sheet	8(a), B1
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

DECISION OF SEAC

PP was absent; hence the project is deferred.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

Kindly find SEIAA decision above.

SEAC Meeting number: 85 **Meeting Date** January 19, 2019

Subject: Environment Clearance for Proposed Building Construction Project

Is a Violation Case: No

1.Name of Project	Residential & Commercial Project: Ashar Aria
2.Type of institution	Private
3.Name of Project Proponent	M/s. Ashar Ventures (Mr. Ajay Ashar)
4.Name of Consultant	Shena Hi-Tech Products
5.Type of project	Housing Project (Residential+Commercial)
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	S. no. 2951,2952,3205,3206 &3218,
9.Taluka	Thane
10.Village	Kalwa
Correspondence Name:	Mr. Ajay Ashar
Room Number:	-
Floor:	Gr. Floor
Building Name:	Ashar IT Park
Road/Street Name:	Road No. 16Z
Locality:	Near Agriculture Bus Stop, Wagle Industrial Estate,
City:	Thane, West – 400 604
11.Area of the project	Thane Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Ammended Commencement Certificate
	IOD/IOA/Concession/Plan Approval Number: Sanctioned Vide letter No. V.P. No. S08/0057/17 TMC/TDD/2728/18 Dated: 10/07/2018 (Last Sanction but plan changed now)
	Approved Built-up Area: 7689.82
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	7162.49 sq.mt.
16.Deductions	189.70 sq.mt.
17.Net Plot area	6972.79 sq.mt.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 15060.04 sq.mt.
	b) Non FSI area (sq. m.): 17163.78 sq.mt.
	c) Total BUA area (sq. m.): 32223.82
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 7689.82
	Approved Non FSI area (sq. m.): -
	Date of Approval: 10-07-2018
19.Total ground coverage (m2)	1410.00 sq.mt.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	19%
21.Estimated cost of the project	1570000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	01 Residentail building	Gr. + 42 flrs.	127.50 m
2	Parking Towers 01	Gr + 23 levels	52.00 m
3	Parking Tower 02	Gr + 28 levels	61.00 m
4	Puzzle parking structures 01 , 02	Gr + 5 levels and Pit + Gr+5 levels	12.50 m
5	Puzzle parking structures 03,04	Gr + 6 levels and Pit + Gr++ levels	14.50 m

23.Number of tenants and shops	304 tenents and 4 shops in Residential Building.
24.Number of expected residents / users	Residential: 1436, Shops: 20, Total: 1456 nos.
25.Tenant density per hectare	300 Tenant/Hector
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	60.00 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	15.00 m for residential building
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	NA	NA	NA	NA

32.Total Water Requirement

Dry season:	**Source of water**	Thane Municipal Corporation & recycled water
	Fresh water (CMD):	123 m3/day
	Recycled water - Flushing (CMD):	64 m3/day
	Recycled water - Gardening (CMD):	0 m3/day
	Swimming pool make up (Cum):	4 m3/day
	Total Water Requirement (CMD) :	194 m3/day
	Fire fighting - Underground water tank(CMD):	200 m3/day (As per NBC)
	Fire fighting - Overhead water tank(CMD):	30 m3
	Excess treated water	76 m3/day
Wet season:	**Source of water**	Thane Municipal Corporation & recycled water
	Fresh water (CMD):	123 m3/day
	Recycled water - Flushing (CMD):	64 m3/day
	Recycled water - Gardening (CMD):	0 m3/day
	Swimming pool make up (Cum):	0 m3/day
	Total Water Requirement (CMD) :	190 m3/day
	Fire fighting - Underground water tank(CMD):	200 m3/day (As per NBC)
	Fire fighting - Overhead water tank(CMD):	30 m3
	Excess treated water	72 m3/day
Details of Swimming pool (If any)	9.15 m x 6.5m	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	3-4 m
	Size and no of RWH tank(s) and Quantity:	44 m3/day and 1 no.
	Location of the RWH tank(s):	Below ground floor
	Quantity of recharge pits:	N.A
	Size of recharge pits :	N.A
	Budgetary allocation (Capital cost) :	22 Lakhs
	Budgetary allocation (O & M cost) :	2.2 Lakhs/year
	Details of UGT tanks if any :	Fire Tank: 200 m3/day (As per NBC) Domestic Water Tank: 130 m3/day Flushing water tank: 64 m3/day
35.Storm water drainage	**Natural water drainage pattern:**	As per natural drainage pattern
	Quantity of storm water:	270 m3/hr
	Size of SWD:	0.4 x 0.3m
Sewage and Waste water	**Sewage generation in KLD:**	164 m3/day
	STP technology:	MBBR
	Capacity of STP (CMD):	1 no. & 164 m3/day
	Location & area of the STP:	Location: Below ground floor, Area: 121 m2
	Budgetary allocation (Capital cost):	54 Lakhs
	Budgetary allocation (O & M cost):	11.5 Lakhs/Year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction waste will be generated from the building, mainly comprising of waste concrete, excavated soil, broken bricks, waste plaster, metallic scrap etc. Debris chute will be used to channelize the waste from the building to the point of pick up on ground.
	Disposal of the construction waste debris:	Construction debris will be used for base preparation of road and for site leveling
Waste generation in the operation Phase:	**Dry waste:**	187 kg/day
	Wet waste:	436 Kg/day
	Hazardous waste:	N.A
	Biomedical waste (If applicable):	N.A
	STP Sludge (Dry sludge):	7.5 kg/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/selling.
	Hazardous waste:	Negligible
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Sludge use as manure for gardening/selling.
	Others if any:	NA
Area requirement:	**Location(s):**	Ground floor
	Area for the storage of waste & other material:	Area for the storage: 30 m2
	Area for machinery:	Total area: 28 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	5.6 lakhs
	O & M cost:	0.56 lakhs/year

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

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

43.Green Belt Development	**Total RG area :**	Nil
	No of trees to be cut :	12
	Number of trees to be planted :	140
	List of proposed native trees :	Enclosed
	Timeline for completion of plantation :	Before completion of project

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

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

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEB
	During Construction Phase: (Demand Load)	100 kva
	DG set as Power back-up during construction phase	DG set shall be used in emergency
	During Operation phase (Connected load):	2268 KVA
	During Operation phase (Demand load):	914 KVA
	Transformer:	1 no. x 1000 KVA
	DG set as Power back-up during operation phase:	630 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

1. Use of energy efficient Tube lights & 9W CFL down lighters
2. Use of LED in common areas
3. Use of solar hot water system
4. Use of VFD lifts
5. Use of energy efficient water pumps
6. Use of solar lights for external lighting
7. Use of MBBR type STP with VFD

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Use of energy efficient Tube lights & 9W CFL down lighters	36 %
2	Use of LED in common areas	62 %
3	Use of solar hot water system	89 %
4	Use of VFD lifts	40 %
5	Use of energy efficient water pumps	60 %
6	Use of solar lights for external lighting	93 %
7	Use of MBBR type STP with VFD	20 %
8	Overall Energy Saving in Project	18 %

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:**	Rs. 96 lakhs
	O & M cost:	Rs. 9.6 lakhs/year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water For Dust Suppression	To control air pollution	0.5
2	Site Sanitation, Disinfection & Safety	To maintain hygienic condition	0.25
3	Environmental Monitoring	Air, water, noise and soil analysis	1
4	Health Check Up	To check fitness of workers	0.25
5	Environment Management cell	To prepare team for environmental management	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	Rain Water Harvesting	To harvest rain water	22	2.2
2	Sewage Treatment Plant	To treat sewage	54	11.50
3	Organic Waste Convertor	To treat biodegradable solid waste	5.6	0.56
4	Tree Plantation	For green belt development	25	2.5
5	Energy saving	For use of solar lighting and solar heater	96	9.6

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
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:	01
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	6607 Sq.m.
	Area per car:	25 Sq.m.
	Area per car:	25 Sq.m.
	Number of 2-Wheelers as approved by competent authority:	Approved 324 for Residential Now provided 313 for residential
	Number of 4-Wheelers as approved by competent authority:	Approved 249 for Residential Now provided 262 for residential
	Public Transport:	NA
	Width of all Internal roads (m):	9.00 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Out of perview as per ESZ notification dated 5th Dec, 2016
	Category as per schedule of EIA Notification sheet	8 (a), B2
	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 & Architect Mr. Bhushan Joshi were present during the meeting along with environmental consultant M/s. Shena Hi-Tech Products. PP informed that, the project under consideration is School & residential *Project. PP stated that,* the total plot area of the project is 7162.49 Sq. mt. having total construction area 32223.82 Sq. mt. (FSI - 15060.04 Sq. mt.+ NON FSI- 17163.78 Sq. mt.) and building configuration is as follow-

Building Name & number	Number of floors	Height of the building (Mtrs
01 Residential building	Gr. + 42 flrs.	127.50 m
Parking Towers 01	Gr + 23 levels	52.00 m
Parking Tower 02	Gr + 28 levels	61.00 m

PP stated that they have started excavation work as per notification dated 15th November, 2018 issued by MoEF & CC but due to Hon. NGT & Hon. High court order dated 27/11/2018 stayed the implementation of above said notification, they have stopped the work. PP further stated that currently they have 3.5 FSI which is the full potential of the plot till date.

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

Specific Conditions by SEAC:

1) Committee noted that, there is no proper access to proposed school building. Committee advices to PP to revise the planning so that school building will have clear access like placing school building near to the abutting road. and school building construction to be done as per RTE Act norms.

FINAL RECOMMENDATION

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

85th SEAC-2 Meeting (Day-2)

SEAC Meeting number: 85 **Meeting Date** January 19, 2019

Subject: Environment Clearance for Environmental Clearance (EC) for our Proposed Residential and Commercial Development project at village Kavesar, Thane, State- Maharashtra.

Is a Violation Case: No

1.Name of Project	Proposed Residential & Commercial Development project at village Kavesar, Thane (W), State-Maharashtra.
2.Type of institution	Private
3.Name of Project Proponent	M/s. Ashank Macbricks Pvt. Ltd.
4.Name of Consultant	M/s. Ultra-Tech
5.Type of project	Residential and Commercial Development 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. 206/2 & 141/5
9.Taluka	Thane
10.Village	Kavesar
Correspondence Name:	M/s. Ashank Macbricks Pvt. Ltd.
Room Number:	Unit No. 303
Floor:	--
Building Name:	Anant Laxmi Chamber
Road/Street Name:	--
Locality:	Shivajinagar
City:	Thane (W) 400099
11.Area of the project	Thane Municipal Corporation (T.M.C.)
12.IOD/IOA/Concession/Plan Approval Number	To be Applied
	IOD/IOA/Concession/Plan Approval Number: To be Applied
	Approved Built-up Area: 38452
13.Note on the initiated work (If applicable)	Not Applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	17220.00 Sq.mt.
16.Deductions	2857.00 Sq.mt.
17.Net Plot area	14363.00 Sq.mt.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 38452 .00 Sq.mt.
	b) Non FSI area (sq. m.): 70537.00 Sq.mt.
	c) Total BUA area (sq. m.): 108989.00
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** --
	Approved Non FSI area (sq. m.): --
	Date of Approval: 20-09-2018
19.Total ground coverage (m2)	10275.00 Sq.mt.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	71.5%
21.Estimated cost of the project	4750000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	One Building with 3 Towers	--	--
2	Tower 1	Lower Ground + Ground +Upper Ground + 2 Podium Level + Stilt + 1st to 38 Floors	150.00
3	Tower 2	Ground + Upper Ground + 2 Podium Level + Stilt+1st to 38 Floors	150.00
4	Tower 3	Ground + Upper Ground + 2 Podium Level + Stilt+1st to 38 Floors	150.00
5	Club House	Ground + 1 Floor	--

23.Number of tenants and shops	Residential Flats: 621 Nos. & Offices
24.Number of expected residents / users	Residential: 3405 Nos. ; Commercial: 204 Nos. ; Total: 3609 Nos.
25.Tenant density per hectare	453/hectors
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	It is well connected by 36 mt. wide Ghodbunder Road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	12 mt.
29.Existing structure (s) if any	At present one old Shed is present on site which will be demolished in future
30.Details of the demolition with disposal (If applicable)	Demolition Debris generated shall be disposed to authorized landfill site with permission of T.M.C.

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**	T.M.C./ Tanker water for Swimming pool make up
	Fresh water (CMD):	Domestic: 311 KLD
	Recycled water - Flushing (CMD):	157 KLD
	Recycled water - Gardening (CMD):	30 KLD
	Swimming pool make up (Cum):	11 KLD
	Total Water Requirement (CMD) :	509 KLD
	Fire fighting - Underground water tank(CMD):	3 nos. of tank of total capacity 866 KLD
	Fire fighting - Overhead water tank(CMD):	3 nos. of tank of total capacity 90 KLD
	Excess treated water	179 KLD
Wet season:	**Source of water**	T.M.C./ Partly by RWH/ Tanker water for Swimming pool make up
	Fresh water (CMD):	Domestic: 311 KLD (305 form T.M.C. + 6 KLD from RWH)
	Recycled water - Flushing (CMD):	157 KLD
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	11 KLD
	Total Water Requirement (CMD) :	479 KLD
	Fire fighting - Underground water tank(CMD):	3 nos. of tank of total capacity 866 KLD
	Fire fighting - Overhead water tank(CMD):	3 nos. of tank of total capacity 90 KLD
	Excess treated water	209 KLD
Details of Swimming pool (If any)	Total 4 Nos. of Swimming pool of Total Volume: 802 cum.	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Between 2 m and 13 m below ground surface
	Size and no of RWH tank(s) and Quantity:	3 Nos. of RWH tanks of total capacity 60 KL capacity (i.e. 20 KL each)
	Location of the RWH tank(s):	Below Ground Level
	Quantity of recharge pits:	6 nos. of recharge pits are proposed
	Size of recharge pits :	2.00 mt. dia
	Budgetary allocation (Capital cost) :	Rs. 33.00 Lacs
	Budgetary allocation (O & M cost) :	Rs. 1.23 Lacs/annum
	Details of UGT tanks if any :	Location of UG tanks: Below Ground
35.Storm water drainage	**Natural water drainage pattern:**	The storm water collected through the storm water drains of adequate capacity will be discharged in to the municipal SWD.
	Quantity of storm water:	0.29 m3/sec
	Size of SWD:	600 mm x 900 mm
Sewage and Waste water	**Sewage generation in KLD:**	406 KLD
	STP technology:	MBBR (Moving Bed Bio Reactor)
	Capacity of STP (CMD):	1 no. of STP of total capacity 450 KL
	Location & area of the STP:	Location: STP at Ground & Tanks Below ground ; Area: 450 Sq. mt.
	Budgetary allocation (Capital cost):	Rs. 93.00 Lacs
	Budgetary allocation (O & M cost):	Rs. 15.87 Lacs/annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Demolition Debris generated shall be disposed to authorized landfill site with permission of T.M.C. ; Excavation material generated shall be reused on site for leveling purpose.
	Disposal of the construction waste debris:	Construction waste shall be partly reused/ recycled and remaining shall be disposed to the authorized site with the permission of T.M.C.
Waste generation in the operation Phase:	**Dry waste:**	932 Kg/day
	Wet waste:	621 Kg/day
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	61 kg/day
	Others if any:	Not Applicable

Mode of Disposal of waste:	**Dry waste:**	To T.M.C
	Wet waste:	Organic Waste Converter
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Use as manure
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	48 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. 2.18 Lacs/annum

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	On ground: 3591.00 Sq. mt. ; Additional Green Cover: 1500.00 Sq.mt.
	No of trees to be cut :	15 Nos.
	Number of trees to be planted :	Total 197 Nos.
	List of proposed native trees :	As shown below
	Timeline for completion of plantation :	At the time of completion of project

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Cassia fistula	Bahava	21	Attracts bees and butterflies for pollination.
2	Nyctanthes arbor-tristis	Parijatak	20	Flowering Tree. Flowers yield an essential oil
3	Murraya paniculata	Kunti	20	Flowers have aromatic fragrance. Used in traditional medicine
4	Albizia lebbeck	Shirish	10	Shady Tree. Bark of the tree is used for various ailments in Ayurveda.
5	Azadiracta Indica	Neem	20	Large tree, fast-growing evergreen tree, drought resistance, Medicinal properties, good for roadside plantation
6	Ailanthus excelsa	Maharukh	9	Shady evergreen tree with red-yellow flowers.
7	Ficus retusa	Nandruk	15	Evergreen shady tree & indigenous fruit
8	Alstonia Scolaris	Satwin	12	Tall Tree. The flowers are very fragrant
9	Pongamia pinnata	Karanj	10	Evergreen multipurpose tree. Particularly valued for its oil and it also supplies dyestuff, wood, fuel, insect repellent, medicines etc.
10	Saraca asoka	Sita Ashok	12	Quick growing, Shady, large tree having medicinal and commercial properties.
11	Bombax ceiba	Katesavar	10	Shady tree Used in Roadside Plantation
12	Cocos nucifera	Coconut	10	Fruit are used most versatile Every part of the coconut and the tree has virtually got a use
13	Anthocephallus cadamba	Kadamb	10	Ornamental Tree Used in roadside Plantation
14	Michelia champaca	Son chafa	18	Evergreen tree, 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 :**	MSEDCL
	During Construction Phase: (Demand Load)	100 KW
	DG set as Power back-up during construction phase	1 No. of 80 kVA
	During Operation phase (Connected load):	16221 KW
	During Operation phase (Demand load):	4632 KW
	Transformer:	7 Nos. 1000 KVA each
	DG set as Power back-up during operation phase:	1 DG set of 1010 KVA capacity
	Fuel used:	HSG
	Details of high tension line passing through the plot if any:	No

48.Energy saving by non-conventional method:

Energy saving in common area using Energy efficient Lights / Chokes.
All motors are energy efficient
Lifts with V3F drive and Regenerative type
Solar hot water provision

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Overall energy saving	20%
2	Energy saving due to renewable energy	2%

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. 20.00 Lacs
	O & M cost:	Rs. 1.00 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	Water for Dust Suppression	3.60

2	Air Environment	Air and Noise Monitoring: On site Sensors	12.50
3	Air Environment	Air and Noise Monitoring: By outside MoEF & CC Approved Laboratory	1.10
4	Water Environment	Drinking water analysis	0.15
5	Land Environment	Site Sanitation	5.00
6	Health & Hygiene	Disinfection- Pest Control	6.00
7	Health & Hygiene	Health Check-up of workers	13.50
8	Cost towards Disaster Management	--	34.20

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	AIR & NOISE ENVIRONMENT - Ambient Air quality & Noise Monitoring:	By outside MoEF & CC Approved Laboratory	No set up cost is involved	0.22
2	AIR & NOISE ENVIRONMENT- Cost for DG Stack Exhaust Monitoring	1 no. of stack	No set up cost is involved	0.05
3	AIR & NOISE ENVIRONMENT - Maintenance of sensors For Air & Noise	--	Set up Cost already considered in construction phase	0.50
4	AIR & NOISE ENVIRONMENT - Cost for Plantation	RG area	28.00	1.20
5	WATER ENVIRONMENT - Waste water treatment	Cost for sewage Treatment Plant	75.00	14.84
6	WATER ENVIRONMENT – Waste water treatment	Onsite Sensor	18.00	1.00
7	WATER ENVIRONMENT - Cost for water & waste water Monitoring	By outside MoEF & CC Approved Laboratory	No set up cost is involved	0.03
8	WATER ENVIRONMENT - Water Conservation (Rain Water Harvesting System)	Cost for Recharge pits	18.00	0.90
9	WATER ENVIRONMENT - Water Conservation (Rain Water Harvesting System)	Cost for RWH tanks	6.00	0.30

10	WATER ENVIRONMENT - Water Conservation (Rain Water Harvesting System)	Cost for treatment unit for Rain Water collected in tanks	9.00	0.03
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	2.10
13	LAND ENVIRONMENT - Solid Waste Management	Environmental Monitoring	No set up cost is involved	0.08
14	ENERGY CONSERVATION - Use of renewable energy	Solar System	20.00	1.00
15	Cost towards disaster management	--	175.20	2.03

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Two Entry and exit

Parking details:	**Number and area of basement:**	Not Applicable
	Number and area of podia:	2 Nos. ad-measuring 33183.00 Sq.mt. area
	Total Parking area:	31184.00 Sq. mt.
	Area per car:	--
	Area per car:	--
	Number of 2-Wheelers as approved by competent authority:	Required: 714 nos. ; Provided: 714 Nos.
	Number of 4-Wheelers as approved by competent authority:	Required: 545 nos. ; Provided: 759 Nos.
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	Min 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 0.870 Km. ; Tungareshwar Wildlife Sanctuary: Approx 5.30 Km.
	Category as per schedule of EIA Notification sheet	8 (b) B2
	Court cases pending if any	Not Applicable
	Other Relevant Informations	--
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	20-09-2018

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Representative of PP Mr. Milind Shelar & Architect Mr. Sandeep Prabhu were present during the meeting along with environmental consultant M/s. Ultra-Tech

Committee noted that, the representative of PP is not in position to take decision on the project. Committee is of opinion that, PP should remain present for the meeting or authorised representative designated by Company resolution should remain present along with authority letter.

DECISION OF SEAC

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

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

85th SEAC-2 Meeting (Day-2)

SEAC Meeting number: 85 **Meeting Date** January 19, 2019

Subject: Environment Clearance for Application for the amendment in Environment Clearance for Proposed Information Technology Park

Is a Violation Case: No

1.Name of Project	Amendment in Environment Clearance for Proposed Information Technology Park
2.Type of institution	Private
3.Name of Project Proponent	Mr. Domnic Romell
4.Name of Consultant	Mahabal Enviro Engineers Pvt. Ltd., Plot F-7, Road 21, MIDC Wagle Estate, Thane West - 400604
5.Type of project	IT Park project
6.New project/expansion in existing project/modernization/diversification in existing project	Amendment in Environment Clearance
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	We have received the Environment Clearance File No. 21-7/2006-IA.III dt.16.10.2006
8.Location of the project	Plot bearing CTS No. 586/2, 586/4, 586/6 and 586/7
9.Taluka	Mumbai
10.Village	Pahadi
Correspondence Name:	Mr. Domnic Romell
Room Number:	101
Floor:	1st floor
Building Name:	Gharkul Co.Op Soc., Wing B
Road/Street Name:	Azad Road
Locality:	Vile Parle (East)
City:	Mumbai 400057
11.Area of the project	Municipal Corporation of Greater Mumbai (MCGM)
12.IOD/IOA/Concession/Plan Approval Number	Building I: IOD dated: 08.04.2003, Building II: IOD dated: 25.11.2005 received from Municipal Corporation of Grater Mumbai (MCGM)
	IOD/IOA/Concession/Plan Approval Number: Building I: IOD dated: 08.04.2003, Building II: IOD dated: 25.11.2005 received from Municipal Corporation of Grater Mumbai (MCGM), Approval: Received dated 08.06.2010 from Municipal Corporation of Greater Mumbai (MCGM)
	Approved Built-up Area: 87093
13.Note on the initiated work (If applicable)	We have started the construction as per the received the Environment Clearance File No. 21-7/2006-IA.III dt.16.10.2006
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Approval received dated 08.06.2010 from Municipal Corporation of Greater Mumbai (MCGM)
15.Total Plot Area (sq. m.)	17,326 m2
16.Deductions	1,822 m2
17.Net Plot area	15,504 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 38,238 m2
	b) Non FSI area (sq. m.): 48,855 m2
	c) Total BUA area (sq. m.): 87093
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 38,238 m2
	Approved Non FSI area (sq. m.): 48,855 m2
	Date of Approval: 08-06-2010
19.Total ground coverage (m2)	5,596 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	36.25%
21.Estimated cost of the project	150000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building I	Stilt + 13 floors	53.55
2	Building II	Stilt + 6 parking + 11 floors	69.65

23.Number of tenants and shops	Not applicable as it is a IT project
24.Number of expected residents / users	Not applicable as it is a IT project
25.Tenant density per hectare	Not applicable as it is a 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)	Main road 18 m wide D.P. road & Internal road 12 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	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**	Municipal Corporation of Greater Mumbai (MCGM)
	Fresh water (CMD):	100
	Recycled water - Flushing (CMD):	80
	Recycled water - Gardening (CMD):	13
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	180
	Fire fighting - Underground water tank(CMD):	100
	Fire fighting - Overhead water tank(CMD):	50
	Excess treated water	6
Wet season:	**Source of water**	Municipal Corporation of Greater Mumbai (MCGM)
	Fresh water (CMD):	100
	Recycled water - Flushing (CMD):	80
	Recycled water - Gardening (CMD):	7
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	180
	Fire fighting - Underground water tank(CMD):	100
	Fire fighting - Overhead water tank(CMD):	50
	Excess treated water	12
Details of Swimming pool (If any)	Not applicable	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	25 m to 30 m
	Size and no of RWH tank(s) and Quantity:	Not applicable
	Location of the RWH tank(s):	Not applicable
	Quantity of recharge pits:	Building I - 2 nos., Building II - 5 nos.
	Size of recharge pits :	Building I – 2 m x 2.5 m x 6 m, Building II - 1.6 m x 1.6 m x 4.3 m
	Budgetary allocation (Capital cost) :	Rs.5 Lakh
	Budgetary allocation (O & M cost) :	Rs.1 Lakh/year
	Details of UGT tanks if any :	Building I Firefighting UG Tank - 250 m3 Domestic UG Tank + Flushing UG Tank - 200 m3 Building II Firefighting UG Tank - 200 m3 Domestic UG Tank + Flushing UG Tank - 250 m3
35.Storm water drainage	**Natural water drainage pattern:**	Along the road side
	Quantity of storm water:	0.97 m3/sec
	Size of SWD:	600 mm x 900 m
Sewage and Waste water	**Sewage generation in KLD:**	144 m3/day
	STP technology:	Moving Bed Biofilm Reactor (MBBR)
	Capacity of STP (CMD):	2 nos. of STP Building I – STP of capacity 80 m3/day, Building II – STP of capacity 150 m3/day, Total capacity – 230 m3/day
	Location & area of the STP:	Location: On ground, Area Building I STP: 137 m2, Area Building II STP: 112 m2
	Budgetary allocation (Capital cost):	Rs.25 Lakh
	Budgetary allocation (O & M cost):	Rs.2 Lakh/year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	There is no construction on site
	Disposal of the construction waste debris:	Not applicable
Waste generation in the operation Phase:	**Dry waste:**	320 kg/day
	Wet waste:	480 kg/day
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	1 m3/day
	Others if any:	e-waste - 5 kg/day

Mode of Disposal of waste:	**Dry waste:**	Dry garbage will be segregated & disposed of to recyclers.
	Wet waste:	Wet garbage will be treated by using Organic waste converter machine
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Dry sludge can be used as manure for plantation & gardening purposes inside the premise
	Others if any:	e waste - Handed over to authorized recyclers
Area requirement:	**Location(s):**	On ground
	Area for the storage of waste & other material:	60 m2
	Area for machinery:	45 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.4 Lakh
	O & M cost:	Rs.1 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 :**	2,611 m2
	No of trees to be cut :	Not applicable
	Number of trees to be planted :	160 nos.
	List of proposed native trees :	Provided
	Timeline for completion of plantation :	1 - 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	Albizzia sp.	Shirish	15	Flowering tree
2	Acacia auriculiformis	Akashia	10	Ornamental tree
3	Azadirachta indica	Neem	15	Medicinal tree
4	Annona squamosa	Sugar apple	5	Fruit bearing tree
5	Bauhinia variegata	Orchid tree	17	Flowering tree
6	Cassia festula	Golden shower	14	Flowering tree
7	Erythrina indica	Indian coral	14	Medicinal tree
8	Ficus bengalensis	Banyan tree	8	Medicinal tree
9	Ficus religiosa	Peepal tree	7	Medicinal, sacred tree
10	Grewia sp.	Cross berry	15	Flowering tree
11	Leuceana leucocephala	Subabul	15	Used as firewood, fiber, and livestock fodder
12	Morus indica/alba	White mulberry	12	Flowering, fruit bearing tree
13	Mangifera indica	Mango	10	Fruit bearing tree
14	Tamarindus indica	Tamarind	3	Fruit bearing tree
15	Terminelia arjuna	Arjuna/Arjun	10	Medicinal tree
16	Total	-	160	-
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 :**	Reliance
	During Construction Phase: (Demand Load)	500 kVA
	DG set as Power back-up during construction phase	750 kVA
	During Operation phase (Connected load):	3,300 kVA
	During Operation phase (Demand load):	3,300 kVA
	Transformer:	Not applicable
	DG set as Power back-up during operation phase:	DG sets for Building I - 2 nos. x 1,500 kVA, DG sets for Building II - 4 nos. x 750 kVA
	Fuel used:	As per requirement
	Details of high tension line passing through the plot if any:	Not applicable

48.Energy saving by non-conventional method:

Solar Street lighting in landscape, common area passages.
Use of T5 tubes having 2.5 to 3 times life over conventional tubes and hence rate of disposal of tubes will be reduced drastically.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar Street lighting in landscape, common area passages, Use of T5 tubes having 2.5 to 3 times life over conventional tubes and hence rate of disposal of tubes will be reduced drastically.	1% of proposed additional load in building

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.42 Lakh
	O & M cost:	Rs.2 Lakh/year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water for dust suppression	pH, Color, Odour, Turbidity, Total Hardness, Metals	20
2	Site sanitation, toilets, safe drinking water, septic tank	PM2.5 & PM10, SO2, NOx	10

3	Environmental Monitoring and Compliance checking	Air, Water, Noise and Soil Monitoring	5
4	Disinfection	Site sanitation	10
5	Health checkup, first aid	Weekly	5
6	Safety personal protective equipment	Daily	25
7	Storm water management	Operation and Management of channels	2
8	Vehicle maintenance, washing area, tyre cleaning	Vehicle washing and mechanical maintenance	1
9	Total	-	78

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	2 no. of STP having total capacity 230 m3/day	25	2
2	Landscape/Gardening	Total green area 2,611 m2. 53 nos. of existing trees and total trees to be planted are 160 nos.	5	1
3	Solid Waste	1 no. of OWC 60	4	1
4	Rain Water Harvesting and Storm water management (Recharge pits & Tanks)	7 nos. of the recharge pits. (2 nos. having size 2 m x 30 m and 5 nos. having size 5 m x 10 m)	5	1
5	Fire Fighting Management	Fire fighting equipments – sprinklers, sand bucket, fire alarm, hose box, fire hydrant etc.	150	15
6	Plumbing	Maintenance	226	23
7	Energy Conservation	Use of T5 tubes having 2.5 to 3 times life over conventional tubes and hence rate of disposal of tubes will be reduced drastically.	42	2
8	Total	-	456	45

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 junction main road having width 18 m
Parking details:	**Number and area of basement:**	Not applicable
	Number and area of podia:	Not applicable
	Total Parking area:	28,163 m2
	Area per car:	37.5 m2
	Area per car:	37.5 m2
	Number of 2-Wheelers as approved by competent authority:	Not applicable
	Number of 4-Wheelers as approved by competent authority:	739 nos.
	Public Transport:	Bus facility – 12 nos.
	Width of all Internal roads (m):	9 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	We have received the Environment Clearance from Govt. of Maharashtra having file No. 21-7/2006-IA.III dated 16.10.2006. We are now applying for the amendment in the above mentioned project. Earlier 5,578 m2 considered as non-FSI area is now counted in FSI area.
	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. Mahabal Enviro Engineers Pvt. Ltd

PP through consolidated statement filled has informed that, "R Tech Park" by Romell Real Estate Pvt. Ltd. was granted Environment Clearance from MoEF & CC having number 21-7/2006IA.III dt.16.10.2006. The construction of Building I is complete in all respects as per earlier sanctioned plans and EC however the area utilization in Building II is other than what was sanctioned in EC (change of use).

PP further stated that,the earlier EC received was for plot area of 17,326 m2, total built-up area 32,660 m2, and non-FSI area 51,250 m2 was already there in it, but not mentioned in the EC. Now part of the non-FSI area in Building-II is counted towards FSI/Fungible FSI, as per D.C. regulations modified on 6.01.2012.

PP also stated that, Building II which is mentioned as Stilt + 10 floors in EC has multi-level stilts for parking (Ground + 6 nos.) and Refuge floor along with 10 Office Floors. The Non FSI floors are already a part of the aforementioned non-FSI area.

Balconies all around the IT Offices on 10 Floors aggregating to 3,453 m2 which were earlier non-FSI area as well as Excess Refuge area 2,125 m2 more than the now permissible 4% Refuge are counted in FSI area due to change in DCR.

Accordingly, PP proposed to enclose the excess area now counted in FSI on the Refuge floor and Balcony areas around 10 Office Floors which were earlier non FSI and hence for amendment in EC for plot area 17,326 m2, FSI area 38,238 m2, non-FSI area 48,855 m2. However during discussion in the meeting and in the covering letter, the PP has further stated that as there is basically no change in total construction area (FSI) which is mentioned in EC of 2006 and which was so treated as FSI during those days and as the EC being issued those days didn't use to mention anything about non-FSI construction, he presumes that no any new EC for amendment/ expansion is required in the case and so also especially in view that the Planning Authority after satisfying itself about the construction in accordance with the EC has already issued OC too in the year 2010 itself. He further stated that he wants clarification whether amendment in EC will be required."

The Committee observed that as his submission today and in the covering letter didn't tally with the request sought in the consolidated statement, more explanatory note will be required from PP.

DECISION OF SEAC

The matter was therefore deferred and the PP was asked to submit detail explanatory note.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

85th SEAC-2 Meeting (Day-2)

SEAC Meeting number: 85 **Meeting Date** January 19, 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

Representative of PP was present during the meeting along with environmental consultant M/s. Building Environment India Pvt.Ltd. PP informed that, the project under consideration is *with t*he total plot area 60000 Sq. mt. having total construction area 67373.427 Sq. mt. (FSI - 60000*1.541=92500 Total (Existing + Proposed) = (43820.176+44436.400) =88256.0176 Sq. mt.+ NON FSI- (Existing + Proposed) = (3928.01 + 22937.027) = 26865.041 Sq. 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

The project proposal was discussed on the basis of presentation made and documents submitted by the proponent. All issues related to environment, including air, water, land, soil, ecology and biodiversity and social aspects were discussed. Committee noted that the project is under 8a (B2) category of EIA Notification, 2006. Consolidated statements, synopsis of compliances, form 1, 1A, presentation & plans submitted are taken on the record.

PP informed that, the plot under consideration is having some structures prior to 2006, and some development was carried out as per Environment Clearance received by Local Planning Authority. Committee noted that, application submitted by PP was not included the information of existing structures. PP to submit comparative statement with respect to all

DECISION OF SEAC

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

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

85th SEAC-2 Meeting (Day-2)

SEAC Meeting number: 85 **Meeting Date** January 19, 2019

Subject: Environment Clearance for VAIBHAVI CITY

Is a Violation Case: No

1.Name of Project	VAIBHAVI CITY
2.Type of institution	Private
3.Name of Project Proponent	RADMIN DEVELOPERS & CONSULTANTS PVT LTD
4.Name of Consultant	Building Environment India Pvt. Ltd.
5.Type of project	HOUSING
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 No. S.No. 21/2 21/3/1, 1/5,1/6,1/8 , 22/1/2, 22/1/7/2A, 4/1, 1/7/1A, 20/1
9.Taluka	Kalyan
10.Village	kolivii
Correspondence Name:	Pradeep Ganpat Pawar
Room Number:	B/1101
Floor:	--
Building Name:	Harmony Tower, Siddheshwar Gardens
Road/Street Name:	Kolshet Road
Locality:	Dhokali
City:	Thane
11.Area of the project	In KDMC jurisdiction
12.IOD/IOA/Concession/Plan Approval Number	KDMC/TP/BP/KV/2014-15/36/169, KDMC/TP/BP/KV/2016-17/67
	IOD/IOA/Concession/Plan Approval Number: KDMC/TP/BP/KV/2014-15/36/169, KDMC/TP/BP/KV/2016-17/67
	Approved Built-up Area: 5873.42
13.Note on the initiated work (If applicable)	A1, A2, A3 completed ST + 7, Bi building Footing work is in progress
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	-
15.Total Plot Area (sq. m.)	28870.75
16.Deductions	10433.75
17.Net Plot area	18437.00
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 48787.15
	b) Non FSI area (sq. m.): 35005.95
	c) Total BUA area (sq. m.): 83793.12
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 5079.72
	Approved Non FSI area (sq. m.): 4043.67
	Date of Approval: 03-02-2017
19.Total ground coverage (m2)	6351.56
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	22%
21.Estimated cost of the project	2200000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A1	ST+7	23.75M
2	A2	ST+7	23.75M
3	A3	ST+7	23.75M
4	A4	GR+22	67.23M
5	A5	GR+16	49.28M
6	RH1	ST+2	8.85M
7	RH2	ST+2	8.85M
8	RH3	ST+2	8.85M
9	RH4	ST+2	8.85M
10	RH5	ST+2	8.85M
11	RH6	ST+2	8.85M
12	RH7	ST+2	8.85M
13	K.D.M.C	ST+3	12.35M
14	B1	G+15	46.49M
15	B2	G+22	67.23M
16	B3	G+22	67.23M
17	B4	G+22	67.23M
18	B5	G+22	67.23M
19	B6	ST+15	46.39M
20	RH8	GR+1	5.95M
21	RH9	ST+2	8.85M
22	RH10	ST+2	8.85M
23	RH11	ST+2	8.85M
24	RH12	ST+2	8.85M
25	RH13	ST+1	5.95M
26	RH13	ST+1	5.95M
27	RH13	ST+1	5.95M

23.Number of tenants and shops	SHOP-56 OFFICE-56 FLATS-1212
24.Number of expected residents / users	SHOP-168 OFFICE-168 FLATS-6060
25.Tenant density per hectare	1403 Flats
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	18m

28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	6m
29.Existing structure (s) if any	A!, A2, A3 completed ST + 7, Bi building Footing work is in progress
30.Details of the demolition with disposal (If 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**	KDMC
	Fresh water (CMD):	551
	Recycled water - Flushing (CMD):	283
	Recycled water - Gardening (CMD):	20
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	854
	Fire fighting - Underground water tank(CMD):	AS per Fire NOC
	Fire fighting - Overhead water tank(CMD):	AS per Fire NOC
	Excess treated water	371

Wet season:	**Source of water**	KDMC
	Fresh water (CMD):	551
	Recycled water - Flushing (CMD):	283
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	834
	Fire fighting - Underground water tank(CMD):	AS per Fire NOC
	Fire fighting - Overhead water tank(CMD):	AS per Fire NOC
	Excess treated water	392
Details of Swimming pool (If any)	0	

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:**	As per Geo tech investigation report
	Size and no of RWH tank(s) and Quantity:	2 Tanks (Zone 1 & 3) - 25000 CUM, 1 Tank(Zone 2) - 12000 CUM, 1 Tank(Zone 4) - 33000 CUM
	Location of the RWH tank(s):	UG
	Quantity of recharge pits:	nil
	Size of recharge pits :	nil
	Budgetary allocation (Capital cost) :	Zone. 1 - 1,40,00, Zone 2 - 70,000, Zone 3 - 1,40,00, Zone 4 - 1,85,000
	Budgetary allocation (O & M cost) :	Zone. 1 - 15,000, Zone 2 - 15,000, Zone 3 - 15,000, Zone 4 - 20,000
	Details of UGT tanks if any :	Domestic : 483CUM Flushing: 243CUM RWH: 95CUM

35.Storm water drainage	**Natural water drainage pattern:**	as per natural storm water drainage network
	Quantity of storm water:	.
	Size of SWD:	Plot A :600 MM Wide and 450 mm WIDE deep ;Plot B :800 MM wide and 600 mm deep
Sewage and Waste water	**Sewage generation in KLD:**	560 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	2 no. , Capacity - 190.00 cu.m/day & 370.00 cu.m/day
	Location & area of the STP:	UG
	Budgetary allocation (Capital cost):	ZONE 1 & 2 - 34,50,000, ZONE 3 & 4 - 70,00,000
	Budgetary allocation (O & M cost):	ZONE 1 & 2 - 3,50,000, ZONE 3 & 4 -7,00,000
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	4189.66 T
	Disposal of the construction waste debris:	as per C&D rules
Waste generation in the operation Phase:	**Dry waste:**	0.78TPD
	Wet waste:	2.12TPD
	Hazardous waste:	--
	Biomedical waste (If applicable):	--
	STP Sludge (Dry sludge):	0.19 TPD
	Others if any:	Nil
Mode of Disposal of waste:	**Dry waste:**	Handover to authorised vender
	Wet waste:	OWC
	Hazardous waste:	As per Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016
	Biomedical waste (If applicable):	nil
	STP Sludge (Dry sludge):	used as manure
	Others if any:	nil
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	NIL
	Area for machinery:	40 SQ.M
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	ZONE 1 & 2 - 2,00,000, ZONE 3 & 4 - 4,00,000
	O & M cost:	ZONE 1 & 2 - 50,000 ZONE 3 & 4 - 75,000
37.Effluent Charecterestics		

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

38.Hazardous Waste Details

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

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	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 :**	4103.27 Sq. M
	No of trees to be cut :	0
	Number of trees to be planted :	185
	List of proposed native trees :	ATTACHED
	Timeline for completion of plantation :	through out construction period

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	200
	DG set as Power back-up during construction phase	100KVA
	During Operation phase (Connected load):	14522.77 kW
	During Operation phase (Demand load):	6310.01 kW
	Transformer:	7 no., 1000 kW
	DG set as Power back-up during operation phase:	1 no. 400kW, 1 no. 630kW
	Fuel used:	diesel
	Details of high tension line passing through the plot if any:	NIL

48.Energy saving by non-conventional method:

Street lighting with LED
External lighting with solar lighting

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Lift load with regenerative drives	15%
2	Staircase and passage Area Lighting load- with LED fittings	33%
3	Street Lighting with LED fittings	36%
4	Geyser load - with 25 flats on solar water heater per building i.e. 125 flats	6%
5	External Lighting saving with solar lighting	57%
6	total	16.10%

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:**	349.6 lakhs
	O & M cost:	5% of capex

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):			
Serial Number	**Attributes**	**Parameter**	**Total Cost per annum (Rs. In Lacs)**
1	Attached	attached	attached

b) Operation Phase (with Break-up):				
Serial Number	**Component**	**Description**	**Capital cost Rs. In Lacs**	**Operational and Maintenance cost (Rs. in Lacs/yr)**
1	Attached	attached	attached	attached

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:	nil
Parking details:	**Number and area of basement:**	0
	Number and area of podia:	0
	Total Parking area:	3242.63
	Area per car:	13.75 SQ.MT
	Area per car:	13.75 SQ.MT
	Number of 2-Wheelers as approved by competent authority:	nil
	Number of 4-Wheelers as approved by competent authority:	194
	Public Transport:	-
	Width of all Internal roads (m):	6
	CRZ/ RRZ clearance obtain, if any:	N/A

	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	N/A
	Category as per schedule of EIA Notification sheet	N/A
	Court cases pending if any	N/A
	Other Relevant Informations	nil
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Representative of PP was present during the meeting along with environmental consultant M/S.Building Environment India Pvt. Ltd.

PP informed that, as per sanctions received from local planning authority dated 27/07/2016 & 03/02/17 total 7819.7 sq.mt construction carried out during this sanction plot potential was below 20,000 Sq.mt. but due to additional plot purchased in January 2017 & additional FSI plot potential increased by 9950.75 sq.mt. Therefore they have applied for Environment Clearance. PP further informed that, the total plot area of the project is 28870.75 Sq. mt. having total construction area 83793.12 Sq. mt. (FSI - 48787.15 Sq. mt.+ NON FSI- 35005.95 Sq. mt.) and the building configuration is as follow-

Building Name & number	Number of floors	Height of the building (Mtrs
A1	ST+7	23.75M
A2	ST+7	23.75M
A3	ST+7	23.75M
A4	GR+22	67.23M
A5	GR+16	49.28M
RH1	ST+2	8.85M
RH2	ST+2	8.85M
RH3	ST+2	8.85M
RH4	ST+2	8.85M
RH5	ST+2	8.85M
RH6	ST+2	8.85M
RH7	ST+2	8.85M
K.D.M.C	ST+3	12.35M
B1	G+15	46.49M
B2	G+22	67.23M
B3	G+22	67.23M
B4	G+22	67.23M
B5	G+22	67.23M
B6	ST+15	46.39M
RH8	GR+1	5.95M
RH9	ST+2	8.85M
RH10	ST+2	8.85M
RH11	ST+2	8.85M
RH12	ST+2	8.85M
RH13	ST+1	5.95M
RH13	ST+1	5.95M
RH13	ST+1	5.95M

The project proposal was discussed on the basis of presentation made and documents submitted by the proponent. All issues related to environment, including air, water, land, soil, ecology and biodiversity and social aspects were discussed. Committee noted that the project is under 8a (B2) category of EIA Notification, 2006. Consolidated statements, synopsis of compliances, form 1, 1A, presentation & plans submitted are taken on the record.

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) PP to submit the dated architect certificate for construction done on site.
2) PP to provide clear 6mt drive way & 9mt turning radius all around building for fire tender movement.
3) Committee noted that, there is no existing sewer line; no storm water drains PP to submit the timeframe of concern authority to complete the work of the same.
4) PP submitted that, they will be developing & maintaining the corporation garden as activity under CER. PP to submit the approval/NoC from the local planning authority for the same.

FINAL RECOMMENDATION

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

85th SEAC-2 Meeting (Day-2)

SEAC Meeting number: 85 **Meeting Date** January 19, 2019

Subject: Environment Clearance for for amendment in EC for the residential complex along with the proposed composite residential building with a Municipal Public Parking Lot at Sub Plot 'B' bearing C.S. No. 1903, 1904, 1905, 1/1905, 2/1905 of Byculla Division abutting Dr. A.L. nair Road and Maula Azad Road, Jacob Circle, Mahalaxmi by Genext Hardware & Parks Pvt. Ltd.

Is a Violation Case: No

1.Name of Project	Hindustan Mill
2.Type of institution	Private
3.Name of Project Proponent	Genext Hardware & Parks Pvt. Ltd. C.A to Capricon Realty Ltd.
4.Name of Consultant	Dr. D. A. Patil, Mahabal Enviro Engineers Pvt. Ltd.
5.Type of project	Residential Project along with Municipal Public Parking Lot
6.New project/expansion in existing project/modernization/diversification in existing project	Amendment in existing project. (Vertical expansion to residential wing of Building No.3 has been proposed)
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	We have obtained EC u/n. SEAC-2014/CR-35/TC-1 dt. 29/09/2014 for the plot area 61,520.46 m2 and FSI area of 1,29,988.78 m2, Non FSI area of 2,58,043.03 m2 with total construction area of 3,88,031.81 m2 (Entire project).
8.Location of the project	Sub plot "B" bearing C.S. No. 1903, 1904, 1905, 1/1905, 2/1905 of Byculla Division abutting Dr. A. L. Nair road and Maulana Azad Road, Jacob Circle, Mahalaxmi, Maharashtra
9.Taluka	Mumbai
10.Village	Byculla Division abutting Dr. A. L. Nair road and Maulana Azad Road, Jacob Circle, Mahalaxmi
Correspondence Name:	-
Room Number:	-
Floor:	-
Building Name:	Raheja Tower
Road/Street Name:	Plot No. C-30, Block G, Opp SIDBI,
Locality:	Bandra Kurla Complex
City:	Bandra (East), Mumbai.
11.Area of the project	Municipal Corporation of Greater Mumbai (MCGM)
12.IOD/IOA/Concession/Plan Approval Number	OCC for buidling no.1 issued u/no.EEBP/9527/E-A dt.18/07/2013 and OCC for building no.2 issued u./no.EB-907-E-A dt.11/02/2018
	IOD/IOA/Concession/Plan Approval Number: OCC for buidling no.1 issued u/no.EEBP/9527/E-A dt.18/07/2013 and OCC for building no.2 issued u./no.EB-907-E-A dt.11/02/2018
	Approved Built-up Area: 210603.62
13.Note on the initiated work (If applicable)	On site the work of Building No.1 having construction area of 182485.39 m2 (FSI: 65,846.16 m2) and the work of building no.2 having construction area of 65,805.90 m2 (FSI: 31,935.02 m2) has been completed. The construction area of building no.3 is upto 78,246.10 m2. Hence over all construction completed on site is 326537.40 m2.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	OCC for buidling no.1 issued u/no.EEBP/9527/E-A dt.18/07/2013 and OCC for building no.2 issued u./no.EB-907-E-A dt.11/02/2018
15.Total Plot Area (sq. m.)	61,520.46 m2
16.Deductions	4,470.19 m2
17.Net Plot area	57,050.27 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 1,32,331.76 m2 (Entire Project)
	b) Non FSI area (sq. m.): 2,60,802.75 m2 (Entire Project)
	c) Total BUA area (sq. m.): 393134.51
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 1,28,688.95 m2 (Entire Project)
	Approved Non FSI area (sq. m.): 2,56,764.51 m2 (Entire Project)
	Date of Approval: 11-02-2018
19.Total ground coverage (m2)	24,531.61 m2

20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	43%
21.Estimated cost of the project	8356193347

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Bldg No.1 (Tower B1, B2 & A1)	Stilt + 41 upper floors on 2 levels of podium	172.275 m
2	Bldg No. 2	2B + 2 Parking Floors + Stilts + 44 Upper Floors. (41 habitable floors + 2 fire check floors + 1 service floor)	177.65 m
3	Bldg No. 3:- Composite Bldg a) Residential Wing	2B (pt) + Gr (pt) + intermediate Parking Floor + 4 Parking Floors (pt) + 2 Parking Floors (full) + stilts + 44 Upper floors (habitable floors) + 2 fire check + 1 service floor	206.50 m
4	Bldg No. 3:- Composite Bldg b) Municipal Public Parking Lot	3B + G (pt) + 4 Upper Floors (pt). To be handed over to MCGM and 5th & 6th Floor above MPPL will be retained for Residential parking.	25.10/ 26.30 m

23.Number of tenants and shops	Bldg. 2: 110 Nos. Bldg. 3: 125 Nos.
24.Number of expected residents / users	1,540
25.Tenant density per hectare	90/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)	36.60 m wide Dr. A.L. Nair Marg on West side & 27.43 m wide Maulana Azad Marg on East side
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.00 m
29.Existing structure (s) if any	NA
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	MCGM
	Fresh water (CMD):	117 KLD
	Recycled water - Flushing (CMD):	61 KLD
	Recycled water - Gardening (CMD):	33 KLD
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	178 KLD
	Fire fighting - Underground water tank(CMD):	As per CFO NOC
	Fire fighting - Overhead water tank(CMD):	As per CFO NOC
	Excess treated water	70 KLD
Wet season:	**Source of water**	MCGM + RWH
	Fresh water (CMD):	99 KLD
	Recycled water - Flushing (CMD):	61 KLD
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	178 KLD
	Fire fighting - Underground water tank(CMD):	As per CFO NOC
	Fire fighting - Overhead water tank(CMD):	As per CFO NOC
	Excess treated water	103 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:**	3 m
	Size and no of RWH tank(s) and Quantity:	2 Nos.of RWH tanks with 74 m3 capacity each.
	Location of the RWH tank(s):	Lower basement for bldg. no 2, 2nd Basement for Residential tower bldg. no 3 & 3rd basement for PPL
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	25 Lakh
	Budgetary allocation (O & M cost) :	2 Lakh/year
	Details of UGT tanks if any :	Residential: 2nd Basement PPL: 3rd Basement
35.Storm water drainage	**Natural water drainage pattern:**	Toward East and West Side
	Quantity of storm water:	2980.71 m3/hr
	Size of SWD:	0.35 x 0.35 m, 0.45 x 0.6 m, 0.6 x 0.8 m
Sewage and Waste water	**Sewage generation in KLD:**	166 KLD
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	3 STPs will be provided with total 220 m3 capacity i.e. 100 m3 (for bldg. No. 2), 100 m3 (for bldg No. 3) and 20 m3 for PPL
	Location & area of the STP:	Bldg No. 2: Ground Floor, Bldg No. 3: a. Resi. Bldg: 2nd Floor Parking Lvl. & b. PPL: Ground Floor.
	Budgetary allocation (Capital cost):	45 Lakh
	Budgetary allocation (O & M cost):	9 Lakh/year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction debris: 4,200 m3
	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 2016.
Waste generation in the operation Phase:	**Dry waste:**	268 Kg/day
	Wet waste:	402 Kg/day
	Hazardous waste:	Used oil from DG
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	2 KLD
	Others if any:	Household E-waste generation

Mode of Disposal of waste:	**Dry waste:**	Dry garbage will be disposed off to recyclers
	Wet waste:	Wet garbage will be composted using Mechanical Composting unit and used as organic manure for landscaping.
	Hazardous waste:	Authorized recyclers
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Sludge use as manure for gardening
	Others if any:	Authorized recyclers
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	100 m2
	Area for machinery:	25 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 12 lakh
	O & M cost:	Rs. 6 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 :**	Existing landscape: 14,426.20 m2, RG proposed on ground is 425 m2 .
	No of trees to be cut :	-
	Number of trees to be planted :	146 Nos.
	List of proposed native trees :	As 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	Satwin	Alstonia scholaris	25	Shady Tree, white fragrant flowers
2	Bahava	Cassia fistula	42	Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plant
3	Palas	Butea monosperma	10	Medium sized deciduous tree. Beautiful orange flowers, Butterfly host plant
4	Kadamb	Anthocephallus cadamba	13	Shady, large deciduous tree, fast-growing graceful tree, ball shaped flowers.
5	Ashoka	Polyanlthia longifolia	56	Shady tree with red-yellow flowers.
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	TATA
	During Construction Phase: (Demand Load)	500 kVA
	DG set as Power back-up during construction phase	500 kVA
	During Operation phase (Connected load):	10.8 MW
	During Operation phase (Demand load):	5.2 MW
	Transformer:	-
	DG set as Power back-up during operation phase:	• Building No. 2: 1 x 1250 kVA • Building No. 3: Resi. Bldg:1 x 1500 kVA • MPPL: 1 x 750 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Solar Hot water system to Residential Buildings
Provision of Solar PV Panels

49.Detail calculations & % of saving:

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

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 15 Lakh
	O & M cost:	Rs,

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water spray for dust suppression	-	4.5
2	Site sanitation and Potable Water Supply to Labour	-	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	Health check-up & first aid	-	6
5	Safety Personal Protective Equipment	Helmets, Safety Shoes, Safety Belt, Goggles, Hand Gloves etc.	10
6	Traffic Management	Sign Boards, Persons at entry exit and Parking area	4.5
7	Tyre cleaning and Vehicle maintenance	-	3
8	Storm water Management	-	4
9	Safety Training to Workers (Twice in Year), Safety Officer	-	5
10	Safety nets	-	14

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	45	9
2	Solar System	Weekly	15	2
3	Rainwater harvesting	During rainy season (cleaning of UG tanks and filtration units before rainy season)	25	2
4	Solid Waste Composting plant	Continuous O & M Environment Monitoring: Monthly to assess the compost quality	12	6
5	Landscape	Daily	116	12

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:	36.60 m wide Dr. A.L. Nair Marg on West side & 27.43 m wide Maulana Azad Marg on East side
Parking details:	**Number and area of basement:**	• Building No. 2: 2 Nos. 11,738.02 m2. • Building No. 3: 3 Nos. No. of Basements: Total Area of Basements: 36342.09 m2.
	Number and area of podia:	• Building No. 2: 3 Podiums with total area 10,915.1 m2. • Building No. 3:- 7 Podiums with total area 59,726.56 m2.
	Total Parking area:	• Building 2 : 22653.12 m2 • Building 3: Residential Parking: 29167.12 m2 • Municipal Public Parking Lot: 65,631.60 m2
	Area per car:	• Building 2 : 37.23 m2 • Building 3 • Residential: 38.06 m2 • MPPL: 48.88 m2
	Area per car:	• Building 2 : 37.23 m2 • Building 3 • Residential: 38.06 m2 • MPPL: 48.88 m2
	Number of 2-Wheelers as approved by competent authority:	2W parking provided: PPL: 258 Nos. Residential: 144 Nos.
	Number of 4-Wheelers as approved by competent authority:	• Building No. 2: 327 Nos • Building No. 3 (Residential) : 352 Nos • Public Parking Lot: 1316 Cars
	Public Transport:	23 Nos. of Transport vehicles
	Width of all Internal roads (m):	9 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8 (b)
	Court cases pending if any	NA

	Other Relevant Informations	Environmental Infrastructure provided for Bldg. No. 1 (B1, B2 & A1 Bldgs.) • No. of Tenements: 318 Nos. • Water Requirement: 232 KLD (Domestic: 145 KLD + Flushing: 75 KLD + Gardening: 12 KLD) • Sewage generation: 176 KLD • STP provided: 200 KLD (SBR technology) • Solid waste generation: 783 kg/day (Biodegradable component is composted using mechanical composting machine & Non-biodegradable component is handed over to authorized recyclers) • RWH Tanks: 1 tank with 63 m3 and 2 tanks with 60.5 m3 capacity • Connected Load: 5.7 MW • Demand Load: 4.8 MW • DG sets: 10 x 1250 kVA & 3 x 500 kVA • Parking (4W): 718 Nos. The estimated project cost mentioned in item No. 21 is for Bldg. 2 & 3 only.
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

DECISION OF SEAC

PP was absent; hence the project is deferred.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

Kindly find SEIAA decision above.

85th SEAC-2 Meeting (Day-2)

SEAC Meeting number: 85 **Meeting Date** January 19, 2019

Subject: Environment Clearance for Proposed Residential project plot bearing Survey no.53/1, 53/2, 54/1, 54/2, 54/3, 55, 56/4A, 56/4B, 231/3, 231/4A, 231/4B, 231/4C, 231/4D, 231/5, 232/1, 232/8, 240/3A/1pt (old Survey no.), 240/3A/2, 240/3A/9, 240/3A/6, 240/3A/7, 240/3A/4, 240/3A/5, 240/5A, 240/5B, 240/6, 240/7, 240/8 of village Bhopar, Tal Kalyan, Dist. Thane.

Is a Violation Case: No

1.Name of Project	PALAVA DWELLERS PVT. LTD.
2.Type of institution	Private
3.Name of Project Proponent	Atul Jangam
4.Name of Consultant	Dr. D. A. Patil; Mahabal Enviro Engineers Pvt. Ltd.
5.Type of project	Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	-
8.Location of the project	On plot bearing 53/1, 53/2, 54/1, 54/2, 54/3, 55, 56/4A, 56/4B, 231/3, 231/4A, 231/4B, 231/4C, 231/4D, 231/5, 232/1, 232/8, 240/3A/1pt (old Survey no.), 240/3A/2, 240/3A/9, 240/3A/6, 240/3A/7, 240/3A/4, 240/3A/5, 240/5A, 240/5B, 240/6, 240/7, 240/8 of village Bhopar, Tal Kalyan, Dist. Thane.
9.Taluka	Kalyan
10.Village	Bhopar
Correspondence Name:	Atul Jangam
Room Number:	-
Floor:	Level 9
Building Name:	Lodha Excelus
Road/Street Name:	N.M.Joshi Marg
Locality:	Apollo Mills compound
City:	Mahalaxmi Mumbai
11.Area of the project	Mumbai Metropolitan Region Development Authority (MMRDA)
12.IOD/IOA/Concession/Plan Approval Number	MMRDA approval vide No.SROT/27 Villages/2401/BP/Bhopar-10/Vol-III/1437/2017 dated 11-10-2017
	IOD/IOA/Concession/Plan Approval Number: MMRDA approval vide No.SROT/27 Villages/2401/BP/Bhopar-10/Vol-III/1437/2017 dated 11-10-2017
	Approved Built-up Area: 13015.80
13.Note on the initiated work (If applicable)	-
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	77,515.85m2
16.Deductions	44,635.12 m2
17.Net Plot area	32,880.73 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 64,076.04 m2
	b) Non FSI area (sq. m.): 18,184.58m2
	c) Total BUA area (sq. m.): 82260.62
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 13,015.80 m2
	Approved Non FSI area (sq. m.): 14802.90 m2
	Date of Approval: 10-11-2017
19.Total ground coverage (m2)	4123.93 m2

20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	12.53 %
21.Estimated cost of the project	1330000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Cluster No. 1	-	-
2	Wing A	S+ 8F	25.80
3	Cluster no. 2	-	-
4	Wing A to J	S+15F	45.75

23.Number of tenants and shops	No of tenants: 920 Nos.
24.Number of expected residents / users	4684 Nos.
25.Tenant density per hectare	280
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Project Site is accessible by 10 m Diva- Manpada Road & 24 m & 30 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	Nil
30.Details of the demolition with disposal (If applicable)	Not required

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	MIDC
	Fresh water (CMD):	416
	Recycled water - Flushing (CMD):	209
	Recycled water - Gardening (CMD):	42
	Swimming pool make up (Cum):	4
	Total Water Requirement (CMD) :	629
	Fire fighting - Underground water tank(CMD):	As per NBC
	Fire fighting - Overhead water tank(CMD):	As per NBC
	Excess treated water	326
Wet season:	**Source of water**	MIDC
	Fresh water (CMD):	416
	Recycled water - Flushing (CMD):	209
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	629
	Fire fighting - Underground water tank(CMD):	As per NBC
	Fire fighting - Overhead water tank(CMD):	As per NBC
	Excess treated water	368
Details of Swimming pool (If any)	Yes swimming pool is 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:**	Ground water table at depth of Average 6.00 m
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	21 pits
	Size of recharge pits :	-
	Budgetary allocation (Capital cost) :	11 Laks
	Budgetary allocation (O & M cost) :	1.5 Lakh/year
	Details of UGT tanks if any :	Underground
35.Storm water drainage	**Natural water drainage pattern:**	The slope of the plot is towards North -south side
	Quantity of storm water:	The storm water generation 2.44 m3/s
	Size of SWD:	800mm x900 mm wide internal SWD drains.
Sewage and Waste water	**Sewage generation in KLD:**	583 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	Total STP capacity : 600KLD
	Location & area of the STP:	Underground & Total Area of STP: 500 m2
	Budgetary allocation (Capital cost):	Rs. 126 Lacs
	Budgetary allocation (O & M cost):	Rs. 24 Lacs/year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction debris: 2389 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:**	927 kg/day
	Wet waste:	1,390 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	6 kg/day
	Others if any:	NA

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:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Sludge use as manure for gardening
	Others if any:	NA
Area requirement:	**Location(s):**	On ground
	Area for the storage of waste & other material:	110 m2
	Area for machinery:	55 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 56 Lakh
	O & M cost:	Rs. 22 Lakh/yr

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	Total RG Required: 8220.18 m2 Total RG Proposed: 8469.78 m2
	No of trees to be cut :	Plot is empty & no vegetation/ trees on the site.
	Number of trees to be planted :	415 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	Anthocephalus kadamba	Kadamb	35	Deciduous tree, large foliage & beautiful tree
2	Cassia fistula	Bahava	35	Medium sized deciduous tree, Beautiful yellow flowers and Butterfly host plant.
3	Alstonia scholaris	Satvin	28	Shady, large evergreen tree, white fragrant flowers
4	Pongamia pinnata	Karanj	27	Shady tree
5	Murraya exotica	Kunti	35	Small, evergreen tree, good for gardens
6	Butea Monosperma	Palash	28	Medium deciduous tree with bright flowers
7	Erythrina indica	Pangara	35	Medium sized deciduous tree. Bright scarlet flowers.
8	POLYALTHIA LONGIFOLIA	Ashoka Tree	32	Small, evergreen tree, good for gardens
9	NYCTANTHES ARBOR TRISTIS	Parijat	34	Small deciduous fast growing tree, beautiful flowers.
10	MILLINGTONIA HORTENSIS	Indian cork tree	28	Evergreen tree
11	MICHELIA CHAMPACA	Chafa	32	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
12	EUGENIA JAMBOLANA	Jambul	36	Fruit tree attracting birds
13	BAUHINIA PURPUREA	Apta	30	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	-	-	-

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	300 kVA
	DG set as Power back-up during construction phase	300 kVA
	During Operation phase (Connected load):	5625 KW
	During Operation phase (Demand load):	2455 KW
	Transformer:	-
	DG set as Power back-up during operation phase:	a)2 Nos of 400KVA b) 1 No of 250KVA c) 1 No of 125 KVA d) 1 No of 180 KVA
	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 Street lighting in landscape , common area passages

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.40 Lakh
	O & M cost:	Rs. 2 Lakh/year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

6	Safety Personal Protective Equipment	(Helmets, Safety Shoes, Safety Belt, Googles, Hand Gloves etc.)	6
7	Traffic Management (Sign Boards, Persons, at entry exit and Parking area)	-	2
8	Safety nets	-	6
9	Safety Training to Workers (Twice in Year), Safety Officer	-	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	-	126	24
2	Solar System	-	40	2.0
3	Rainwater harvesting	-	11	1.5
4	Solid Waste Composting plant	-	56	22
5	Landscape	-	85	8
6	Environmental Monitoring	-	-	4

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

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

52.Any Other Information

No Information Available

53.Traffic Management

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

Parking details:	**Number and area of basement:**	-
	Number and area of podia:	-
	Total Parking area:	4123 m2
	Area per car:	28 m2
	Area per car:	28 m2
	Number of 2-Wheelers as approved by competent authority:	Required: 1751 Nos Proposed: 1751 Nos
	Number of 4-Wheelers as approved by competent authority:	Required: 870 Nos Proposed: 915 Nos
	Public Transport:	-
	Width of all Internal roads (m):	6.00 Wide
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park - Approx 14 Km from the Proposed Project Site Tungareshwar Wildlife Scantuary : 15Km
	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.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	NA
Water Budget	Dry season: 629 KLD Wet season: 629 KLD
Waste Water Treatment	Sewage generation in KLD: 583 STP technology: MBBR Capacity of STP(CMD): Total STP capacity 600KLD
Drainage pattern of the project	Natural water drainage pattern: The slope of the plot is towards North -south side Quantity of storm water: The storm water generation 2.44 m3/s
Ground water parameters	Ground water table at depth of Average 6.00 m
Solid Waste Management	Dry waste: 927 kg/day Wet waste: 1,390 kg/day

Air Quality & Noise Level issues	NA
Energy Management	During Construction Phase: (Demand Load) : 300 kVA During Operation phase (Connected load) : 5625 KW During Operation phase (Demand load) : 2455 KW Total Energy Savings : 20 %
Traffic circulation system and risk assessment	NA
Landscape Plan	Total RG area : 8220.18 m2 Total RG Proposed: 8469.78 m2
Disaster management system and risk assessment	NA
Socioeconomic impact assessment	NA
Environmental Management Plan	Construction Phase Total Cost per annum (Rs. In Lacs):- 34 Lacs Operation Phase, Capital cost Rs. In Lacs :- 318 Lacs Operational and Maintenance cost (Rs. in Lacs/yr) :- 61.5 Lacs
Any other issues related to environmental sustainability	NA

Brief information of the project by SEAC

PP Mr. Lodha was present during the meeting along with environmental consultant Dr. D. A. Patil; Mahabal Enviro Engineers Pvt. Ltd.PP informed that, the proposed development consists of 2 Clusters. Cluster 1 having Wing A and Cluster 2 having Wing A to J with the total 920 Nos of tenements. The total plot area of the project is 77,515.85 Sq. mt. having total construction area 82260.62 Sq. mt. (FSI - 64,076.04 Sq. mt.+ NON FSI- 8,184.58 Sq. mt.) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Cluster No. 1	-	-
Wing A	S+ 8F	25.80
Cluster no. 2	-	-
Wing A to J	S+15F	45.75

The project proposal was discussed on the basis of presentation made and documents submitted by the proponent. All issues related to environment, including air, water, land, soil, ecology and biodiversity and social aspects were discussed. Committee noted that the project is under 8a (B2) category of EIA Notification, 2006. Consolidated statements, synopsis of compliances, form 1, 1A, presentation & plans submitted are taken on the record.

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) Committee noted that, there is no existing sewer line, PP to ensure that no possession shall be given before completion of the sewer lines and permission for the connection to the same by the competent authority. Local body to ensure the same.
2) 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, as identified by Environment Department.

FINAL RECOMMENDATION

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