Agenda of 126th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 126 **Meeting Date** January 7, 2020

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.Whether in Corporation / Municipal / other area	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. Malhotra was present during the meeting along with environmental consultant. M/s Ultra-Tech.

PP informed that, the project under consideration is amendment in residential and commercial development project. *PP further stated that, t*he total plot area of the project is 17220.00 Sq.mt having total construction area 88823.11 Sq.mt (FSI – 38083.26Sq.mt + NON FSI- 50739.85Sq.mt) and the building configuration is as follow-

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

It is noted that the project earlier considered in 97th Meeting (Day-1) held on 24-04-2019 & deferred due to the representative of PP is not in position to take decision on the project. Accordingly, authorised representative remain present for the meeting. PP submitted the documents which was taken on record.

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

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, PP has circulated the revised CS,PP to revise the same online also.
2) Committee noted that some part of the plot falls in Sanjay Gandhi National Park, PP to obtain the ESZ NoC for the same.
3) PP to provide clear driveway as per CFO NoC.
4) PP to upload the SWD remark & sewer NoC.
5) PP to ensure that, internal storm water drains should be open except where it is crossing rods.
6) PP to upload the revised RG calculation. PP to ensure that, proposed RG should be as per DCR.
7) PP to provide adequate (1:5) electric charging points/ stations in parking area.
8) PP to abide by all conditions laid down in CFO NoC, HRC NoC as & when received.
9) The PP to get NOC from competent authority with reference to Thane creek flamingo sanctuary if the project site falls within 10 Km radius from the said sanctuary boundary. The planning authority to ensure fulfilment of this condition before granting CC.
10) PP to submit CER prescribed by MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project. The specific activities to be undertaken under CER to be carried out in consultation with Municipal Corporation or collector or Environment Department.

FINAL RECOMMENDATION

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

Agenda of 126th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 126 **Meeting Date** January 7, 2020

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

Is a Violation Case: No

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

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

22.Number of buildings & its configuration

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

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

31.Production Details

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

1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

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

33.Details of Total water consumed

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

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

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

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

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

43.Green Belt Development	**Total RG area :**	13324.36 sq.m
	No of trees to be cut :	-
	Number of trees to be planted :	888 nos.
	List of proposed native trees :	As listed below
	Timeline for completion of plantation :	At the end of construction phase

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadiracta indica	Neem	122	Native tree, medicinal value
2	Anthocephalus cadamba	Kadamb	113	Evergreen Tropical tree
3	Bombax cieba	Semal	112	Deciduous Tall tree , flowering tree
4	Alzibia lebbeck	shirish	133	medicinal value
5	Mangifera indica	mango	157	shady, fruit bearing, prevents soil erosion
6	Delonix indica	Gulmohar	154	ornamental tree
7	Cassia fistula	Bahava	97	Evergreen tree, medicinal value
45.Total quantity of plants on ground				

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

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

47.Energy

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

48.Energy saving by non-conventional method:

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

49.Detail calculations & % of saving:

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

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 71.5 lakh
	O & M cost:	Rs. 1.9 Lakh/year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air	Water for Dust Suppression	2
2	EHS	Site Sanitation	2
3	Environmental Monitoring	Environmental Monitoring	6
4	EHS	Disinfection	1.5
5	EHS	Health Check Up	3.6

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Water conservation	Rain water harvesting	4.47	0.31
2	Wastewater management	Sewage treatment plant	22.00	2.5
3	Energy conservation	Energy saving parameters	71.5	1.9
4	Solid waste management	Organic waste converter	18.75	1.6
5	Land Environment	Landscape	20	1

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	2 nos. of entry & exit
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	5166.33 sq.m
	Total Parking area:	43810sq. m.
	Area per car:	32.5 sq. m.
	Area per car:	32.5 sq. m.
	Number of 2-Wheelers as approved by competent authority:	1414
	Number of 4-Wheelers as approved by competent authority:	1348
	Public Transport:	-
	Width of all Internal roads (m):	6.0 m
	CRZ/ RRZ clearance obtain, if any:	NA

	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park (3 km)
	Category as per schedule of EIA Notification sheet	8(b)
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

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

PP informed that, the project under consideration is expansion residential project. PP further stated that, the total plot area of the project is 90607.52 Sq.mt having total construction area 244014.50Sq.mt (FSI – 131327.63Sq.mt + NON FSI- 112686.87Sq.mt) and the building configuration is as follow-

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

It is noted that, Project has received Environmental clearance vide letter dated 14 May, 2018.

It is noted that the project earlier considered in 106th Meeting held on 19-07-2019 & ToR accorded for the same. Accordingly, PP submitted the EIA report, compliance which was taken on record.

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

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:

14) PP to upload the revised architect certificate
15) Architect certificate addressing to committee regarding building wise construction (Configuration, FSI, NoN-FSI, TBUA) approved in earlier EC, approvals from local Authority, actual construction done and proposed expansion. PP to provide Fire hydrants on internal passages between the 3 wings along with necessary equipment on top of the podium and separate stair case which go direct to the podium for fire man, beside conditions laid in CFO NoC dated 1/4/2019 .
16) PP to upload the sewer remark. The planning authority to ensure that no occupation certificate is given to the Project till surplus discharge from STP of the Project is connected to duly developed and commissioned sewage disposal system of local planning authority.
17) PP to ensure that SWD network within project should be open except crossing.
18) PP to upload the compliance report submitted to the Ro, Nagpur.
19) The PP to get NOC from competent authority with reference to Thane creek flamingo sanctuary if the project site falls within 10 Km radius from the said sanctuary boundary. The planning authority to ensure fulfilment of this condition before granting CC.
20) PP to submit CER prescribed by MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project. The specific activities to be undertaken under CER to be carried out in consultation with Municipal Corporation or collector or Environment Department.

FINAL RECOMMENDATION

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

Agenda of 126th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 126 **Meeting Date** January 7, 2020

Subject: Environment Clearance for Proposed housing scheme – Maple City at S.No..141, S.No. 143, H. No.3,44&5(Pt), S.No. 144 & H.No.1A. 2 & S.No. 145, H.No. 1 Village - Badlapur, Tal- Ambernath, Dist- Thane By M/s. Shree Chintamani Enterprises

Is a Violation Case: No

1.Name of Project	Maple City
2.Type of institution	Private
3.Name of Project Proponent	M/s. Shree Chintamani Enterprises
4.Name of Consultant	M/s. Enviro Analysts and Engineers Pvt. Ltd.
5.Type of project	Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	S.No..141, S.No. 143, H. No.3,44&5(Pt), S.No. 144 & H.No.1A. 2 & S.No. 145, H.No. 1 VILLAGE - BADLAPUR, TAL- AMBERNATH, DIST- THANE By M/s. Shree Chintamani Enterprises
9.Taluka	Ambernath
10.Village	Badlapur
Correspondence Name:	Shri. Chintamani Enterprises
Room Number:	-
Floor:	-
Building Name:	-
Road/Street Name:	Chintamani Chowk
Locality:	Badlapur Goan
City:	Badlapur
11.Whether in Corporation / Municipal / other area	Kulgaon Badlapur Municipal Council
12.IOD/IOA/Concession/Plan Approval Number	Approval received
	IOD/IOA/Concession/Plan Approval Number: KBMC/TD/BP/7798/103 dtd 20.10.2018
	Approved Built-up Area: 23589.38
13.Note on the initiated work (If applicable)	Bldg 2,3,4,5,6 & 7 has been completed.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	26930 m2
16.Deductions	6562.74 sq.m.
17.Net Plot area	20367.26 sq.m.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 23588.98
	b) Non FSI area (sq. m.): 7454.73
	c) Total BUA area (sq. m.): 31043.71
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 23589.38 sq.m
	Approved Non FSI area (sq. m.): -
	Date of Approval: 20-10-2018
19.Total ground coverage (m2)	3868.14
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	18.99 %
21.Estimated cost of the project	713300000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Bldg No. 2, 3,4, 5, 6, 7	Gr + 7th Upper Floor	23.01
2	Bldg No. I, II, III, IV, V	Gr + (pt)8th Upper floor	25.83

23.Number of tenants and shops	Residential: 625 nos. Shops: 60 nos.
24.Number of expected residents / users	Residential: 3120 nos. Shops: 180 nos.
25.Tenant density per hectare	308 tenant/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 18.00 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	-
30.Details of the demolition with disposal (If applicable)	Nil

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	MJP / treated water from STP
	Fresh water (CMD):	284 KLD
	Recycled water - Flushing (CMD):	145 KLD
	Recycled water - Gardening (CMD):	11 KLD
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	440
	Fire fighting - Underground water tank(CMD):	-
	Fire fighting - Overhead water tank(CMD):	20
	Excess treated water	192
Wet season:	**Source of water**	MJP / treated water from STP/RWH
	Fresh water (CMD):	284 KLD
	Recycled water - Flushing (CMD):	145 KLD
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	429
	Fire fighting - Underground water tank(CMD):	-
	Fire fighting - Overhead water tank(CMD):	20
	Excess treated water	203
Details of Swimming pool (If any)	No swimming pool is proposed	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	-
	Size and no of RWH tank(s) and Quantity:	3 nos. of 170 cum
	Location of the RWH tank(s):	Below ground
	Quantity of recharge pits:	6 nos. of total quantity of 6000cum
	Size of recharge pits :	10m X 150m
	Budgetary allocation (Capital cost) :	Rs. 19 lakh
	Budgetary allocation (O & M cost) :	Rs. 0.95 Lakh/yr
	Details of UGT tanks if any :	Domestic tank: 285 cum Flushing tank: 145 cum
35.Storm water drainage	**Natural water drainage pattern:**	Natural drainage pattern will be maintained
	Quantity of storm water:	0.336 cum/sec
	Size of SWD:	600 mm dia X 320 mm
Sewage and Waste water	**Sewage generation in KLD:**	388 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	400 KLD
	Location & area of the STP:	Below ground level
	Budgetary allocation (Capital cost):	Rs. 45 lakh
	Budgetary allocation (O & M cost):	Rs. 7 Lakh/yr
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Excavated waste material generated will be reused for backfilling and rest shall be disposed by covered trucks to the authorized landfill sites with permission from Municipal authority
	Disposal of the construction waste debris:	Will be used for Landscaping.
Waste generation in the operation Phase:	**Dry waste:**	638 kg/day
	Wet waste:	968 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	19 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, Excess manure shall be sold to nearby end users.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	To be used as manure
	Others if any:	NA
Area requirement:	**Location(s):**	Ground level
	Area for the storage of waste & other material:	84 sq.m
	Area for machinery:	5 sq.m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 8.00 lakhs
	O & M cost:	Rs. 2.00 Lakhs

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

42.Mode of Transportation of fuel to site	Not applicable

43.Green Belt Development	**Total RG area :**	2217.28 sq.m
	No of trees to be cut :	-
	Number of trees to be planted :	111 nos.
	List of proposed native trees :	As listed below
	Timeline for completion of plantation :	At the end of construction phase

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadirachta indica	Neem	18	Medicinal tree
2	Michelia champaca	Son-chafa	21	Flowering/ornamental plant
3	Mimusops elengi	Bakul	14	Evergreen tree
4	Polyalthia longifolia	Ashok	16	Evergreen tree
5	Plumeria alba	Chafa	18	Flowering/ornamental plant
6	Mangifera indica	Mango	12	Fruiting tree
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	150 kW
	DG set as Power back-up during construction phase	200 KVA
	During Operation phase (Connected load):	1988.68 KW
	During Operation phase (Demand load):	1590.94 KW
	Transformer:	2 X 500 kVA
	DG set as Power back-up during operation phase:	1 X 300 kVA & 1 X 400 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

• 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
• Solar Hot Water Generation for apartment

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total energy savings	16.88

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. 80.00Lakhs
	O & M cost:	Rs. 3.00Lakhs/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	EHS	Toilets for labour + drinking water + first aid arrangement	1.5
2	Health and Safety of Laborers	Health, safety & first aid facility	1.5
3	Monitoring of Environmental Parameters	Monitoring of Environmental Parameters	1
4	Environmental Monitoring Cell	Environmental Monitoring Cell	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	Water Environment	Sewage Treatment Plant	45	7
2	Solid Waste Management	OWC	8	2
3	Water Environment	RWH	19	0.95
4	Land Environment	Landscape	55	11
5	Energy	solar	80	3

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 18.00 mw ide DP road
Parking details:	**Number and area of basement:**	Nil
	Number and area of podia:	Nil
	Total Parking area:	9673.18
	Area per car:	-
	Area per car:	-
	Number of 2-Wheelers as approved by competent authority:	Scooter/Cycles : 792 nos.
	Number of 4-Wheelers as approved by competent authority:	4 nos.
	Public Transport:	Nil
	Width of all Internal roads (m):	minimum 6 m wide
	CRZ/ RRZ clearance obtain, if any:	-
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	B2-8(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

Summorised in brief information of Project as below.

Brief information of the project by SEAC

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

PP informed that, the project under consideration is new in housing *project. PP further stated that, t*he total plot area of the project is 26930 Sq.mt having total construction area 31043.71 Sq.mt (FSI - 23588.98 Sq.mt + NON FSI- 7454.73 Sq.mt and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Bldg No. 2, 3,4, 5, 6, 7	Gr + 7th Upper Floor	23.01
Bldg No. I, II, III, IV, V	Gr + (pt)8th Upper floor	25.83

It is noted that the project earlier considered in 103rd (Day-2) Meeting held on 21-06-2019 & deferred with observations namely- 1) to upload the approved layout plan for earlier construction & for project under consideration. 2) to submit the sewerage network, water supply, storm water drain NOC from local planning authority. 3) Local body to ensure that no occupation certificate is given to the project until sewer lines and storm water is developed and connected to the project. 4) to explore the possibility of zero discharge project. 5) to ensure that, there will be access provided to all RGs to all people of the project. 6) to upload the copy of DCR regarding car parking to be provided. 7) to earmark the space for parking of 4 wheeler and 2 wheeler. 8) to ensure that, there will be clear 6mt drive way with 9 m turning radius all around RG for fire tender movement & also to provide connection between 18mt DP road to North side. 9) to submit the reasons for not carrying shadow/wind analysis. Accordingly, PP submitted the compliance which was taken on record.

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

DECISION OF SEAC

record.

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

Specific Conditions by SEAC:

1) The planning authority to ensure that no occupation certificate is given to the Project till surplus discharge from STP of the Project is connected to duly developed and commissioned sewage disposal system of local planning authority.
2) The PP to get NOC from competent authority with reference to Thane creek flamingo sanctuary if the project site falls within 10 Km radius from the said sanctuary boundary. The planning authority to ensure fulfilment of this condition before granting CC.
3) PP to submit CER prescribed by MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project. The specific activities to be undertaken under CER to be carried out in consultation with Municipal Corporation or collector or Environment Department.

FINAL RECOMMENDATION

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

Agenda of 126th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 126 **Meeting Date** January 7, 2020

Subject: Environment Clearance for Proposed Residential building with Rehab Residential & Non Residential under DCR 33 (7)

Is a Violation Case: No

1.Name of Project	Chaitya 777
2.Type of institution	Private
3.Name of Project Proponent	M/s. Chaitya Developers
4.Name of Consultant	Pollution & Ecology Control Services, Nagpur
5.Type of project	Redevelopment project of Rehab Residential & Non Residential under DCR 33 (7)
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 C.S No. 777, Mazgaon Division, Dr. Babasaheb Ambedkar road, Chinchpokali, Mumbai 400 012
9.Taluka	Mumbai
10.Village	Mumbai
Correspondence Name:	Mr. Hemant Jain
Room Number:	Office No. 11 & 12
Floor:	Ground floor
Building Name:	Shankeshwar Darshan Building
Road/Street Name:	Seth Motisha Lane
Locality:	Mazgaon
City:	Mumbai 400 010
11.Whether in Corporation / Municipal / other area	Municipal Corporation of Greater Mumbai (MCGM)
12.IOD/IOA/Concession/Plan Approval Number	IOD
	IOD/IOA/Concession/Plan Approval Number: IOD No. CHE/CTY/1238/E/337(NEW)/337/5/ Amend dated 21.9.2019
	Approved Built-up Area: 20607.38
13.Note on the initiated work (If applicable)	Not Applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Mhada NOC
15.Total Plot Area (sq. m.)	5229.14
16.Deductions	Nil
17.Net Plot area	5229.14
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 20607.38
	b) Non FSI area (sq. m.): 29592.62
	c) Total BUA area (sq. m.): 50200
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 20607.38
	Approved Non FSI area (sq. m.): 29592.62
	Date of Approval: 21-09-2019
19.Total ground coverage (m2)	2760.96
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	52.79
21.Estimated cost of the project	1700000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Sale Wing	Basement + Ground floor +1st to 7th Podium + 8th Amenity floor + Service floor + 9th to 35th Residential floor	119.30
2	Rehab Wing D	Service Basement + Ground floor + 1st to 19th Residential floors	63.75
3	Rehab Wing E	Service Basement + Ground floor + 1st to 19th Residential floors	63.75

23.Number of tenants and shops	163 Sale flats, 144 Rehab flats & 14 Mhada Flats (Total 321) and 24 Rehab Non Residential
24.Number of expected residents / users	Residential Population:- 866 Sale, 780 Rehab , 61 Mhada (Total 1707) and Users: 55
25.Tenant density per hectare	613
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	36.58 mt wide Dr. Babasaheb Ambedkar 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	Hanuman Temple and S.B. Seva structure
30.Details of the demolition with disposal (If applicable)	The existing structures on site has been demolished and the Demolition waste has been disposed of as per the Construction and Demolition Waste Management Rules 2016

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):	157
	Recycled water - Flushing (CMD):	82.9
	Recycled water - Gardening (CMD):	6.46
	Swimming pool make up (Cum):	00
	Total Water Requirement (CMD) :	246
	Fire fighting - Underground water tank(CMD):	450
	Fire fighting - Overhead water tank(CMD):	75
	Excess treated water	100
Wet season:	**Source of water**	MCGM
	Fresh water (CMD):	157
	Recycled water - Flushing (CMD):	82.9
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	00
	Total Water Requirement (CMD) :	239
	Fire fighting - Underground water tank(CMD):	450
	Fire fighting - Overhead water tank(CMD):	75
	Excess treated water	106
Details of Swimming pool (If any)	Not Applicable	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	0	157	157	0	23.5	23.5	0	133.4	133.4

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	5-6 m
	Size and no of RWH tank(s) and Quantity:	Two RWH tanks of 40 m3/day each
	Location of the RWH tank(s):	Ground floor
	Quantity of recharge pits:	Not Applicable
	Size of recharge pits :	Not Applicable
	Budgetary allocation (Capital cost) :	10.71 Lakhs
	Budgetary allocation (O & M cost) :	1.6 Lakhs
	Details of UGT tanks if any :	SALE – Fire -350cum, Domestic-80.7cum, Flushing-43.3cum REHAB- Fire -100cum Domestic-71.2cum, Flushing-36.6cum MHADA-Domestic- 5.5cum Flushing-2.5cum
35.Storm water drainage	**Natural water drainage pattern:**	The storm water collected through storm water drains of adequate capacity will be discharged into municipal SWD
	Quantity of storm water:	0.15 m3/sec
	Size of SWD:	600/750 mm wide 1200 mm depth SWD channel
Sewage and Waste water	**Sewage generation in KLD:**	211
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	212 KLD STP (SALE BLDG-110 kld REHAB BLDG - 95kld Mhada- 7 KLD)
	Location & area of the STP:	Below Ramp on ground floor with part Basement with 131 m2 (sale) and 56 m2 (rehab)
	Budgetary allocation (Capital cost):	24 Lakhs
	Budgetary allocation (O & M cost):	4 Lakhs
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	90 kg/day
	Disposal of the construction waste debris:	Scrap material will be disposed to Authorized Vendor
Waste generation in the operation Phase:	**Dry waste:**	302.8 kg/day
	Wet waste:	549.7 kg/day
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	10.25 kg/day
	Others if any:	Not Applicable

Mode of Disposal of waste:	**Dry waste:**	Dry garbage will be segregated and disposed off to recyclers
	Wet waste:	Wet garbage will be composted using Organic Waste converter and In Vessel Composter and used as Organic manure for landscaping
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Used as manure
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	Ground Floor
	Area for the storage of waste & other material:	65.3 m2
	Area for machinery:	65.3 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	8 Lakh
	O & M cost:	1.5 Lakh

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

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

43.Green Belt Development	**Total RG area :**	RG on Ground: 506.14 m2 and RG on Podium: 531.04 m2
	No of trees to be cut :	08
	Number of trees to be planted :	65
	List of proposed native trees :	Wad, Jangali Umbar, Pimpal, Chickoo, Champa, Weeping Fig, Golden, Shower, Flame tree, Pink Shower, Sita Ashoka
	Timeline for completion of plantation :	Not Applicable

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 benghalensis	Wad	1	Baniyan tree has many traditional uses for example milky sap is applied externally for treating pain and bruses and is a remedy for tooth ache
2	Ficus racemosa	Jungali Umbar	1	The bark of the tree is said to have healing potential
3	Ficus Religiosa	Pimpal	1	Pipal is large, fast growing deciduous glabrous tree
4	Ficus Religiosa	Pimpal	1	Pipal is large, fast growing deciduous glabrous tree
5	Manikara zapota	Chicko	2	Fruit bearing tree
6	Michelia champaca	Champa	5	Evergreen and bird attractive tree
7	Mimusopes elengi	Bakul	5	Evergreen and timber yielding, medicinal plants
8	Ficus benjamica	Weepingfig	9	Evergreen and bird attracting tree
9	Cassica fistula	Golden Shower	7	Drought tolerant and medicinal plant
10	Butea monosperma	Flame tree	9	Drought tolerant and medicinal plant
11	Cassica grandis	Pink Shower	4	Drought tolerant and medicinal plant
12	Saraca indica	Sita ashoka	4	Evergreen medicinal plant
13	Roystonea regia	Royal palm	5	Nitrogen fixer and ornamental plant
14	Syzygium cumin	Jhambul	4	Fruit bearing and bird attracting tree
15	Neolamarkia cadamba	Kadamba tree	5	Tropical fruit tree and bird attracting 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	Adhatodavasica	N/A	N/A
2	Vitexnegundo	N/A	N/A
3	Chlorophytumcomosum	N/A	N/A

4	Hedychiumcoronarium	N/A	N/A
5	Lantana camara	N/A	N/A
6	Arabian jasmine	N/A	N/A
7	Murrayapaniculata	N/A	N/A
8	RhapisExcelsa	N/A	N/A
9	Lycorisradiata	N/A	N/A
10	Jasminumfruticans	N/A	N/A
11	Hibiscus rosa-sinensis	N/A	N/A

47.Energy

Power requirement:	**Source of power supply :**	BEST
	During Construction Phase: (Demand Load)	50 kW
	DG set as Power back-up during construction phase	--
	During Operation phase (Connected load):	1374 KW
	During Operation phase (Demand load):	994 KW
	Transformer:	Not Applicable
	DG set as Power back-up during operation phase:	Sale- 500KVA Rehab – 250 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	Not Applicable

48.Energy saving by non-conventional method:

7.9% Energy Savings using Solar Energy

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Common area Lighting Load- LED light with timer control Operated to reduce amount of light at different stages and with Solar power backup	20%
2	Total Lift load - All Motors with VFD control use as per different stages & Tim	20%
3	BEE 5 Star rated AC unit Considered	20%
4	Each flat Hot water (Geyser)	33%
5	water pump motors will be used High Efficiency motors with High low level sensors for Pump Load	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:**	93.6 Lakhs
	O & M cost:	14.04 Lakhs

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Dust Suppressant and barricading	Air pollution and erosion control	3.5
2	PPE for workers (gloves, specs, boots, etc.)	Site Safety and Health Safety	1.5
3	Bio Toilets and Basin	Site Sanitation	3.5
4	Health Checkup	Health Check up	3
5	Air, water, soil, noise monitoring	Environmental Monitoring	1.5
6	Disaster Management Plan	DMP	43.7

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	Waste Water Treatment	24	4
2	Solid Waste Management	SWM by OWC and or IVC for Biodegradable waste	8	1.5
3	RWH	Rain Water Harvesting	10.71	1.6
4	Landscape	--	14.73	2.2
5	DMP	Disaster Management Plan	239	47
6	Solar Energy System	Solar Installation	93.6	14.04

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:	Entry and Exit at Dr. Babasaheb Ambedkar road
Parking details:	**Number and area of basement:**	Service Basement
	Number and area of podia:	Podium 1: 2672.85 m2, Podium 2: 2134.36 m2, Podium 3to 5: 2219.52 m2 each, Podium 6 to 7 each: 2243.64 m2 and Podium 8: 2243.59 m2
	Total Parking area:	16678.15 m2
	Area per car:	25 m2
	Area per car:	25 m2
	Number of 2-Wheelers as approved by competent authority:	14
	Number of 4-Wheelers as approved by competent authority:	299
	Public Transport:	NA
	Width of all Internal roads (m):	6 m wide internal roads
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	Category 8 (a)- B2
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Representative of PP was present during the meeting along with environmental consultant. M/s Pollution & Ecology Control Services, Nagpur.

PP informed that, the project under consideration is new redevelopment of rehab residential & nonresidential under DCR 33 (7) project. *PP further stated that, t*he total plot area of the project is 5229.14 Sq.mt having total construction area 50200 Sq.mt (FSI - 20607.38 Sq.mt + NON FSI- 29592.62 Sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Sale Wing	Basement + Ground floor +1st to 7th Podium + 8th Amenity floor +Service floor + 9th to 35th Residential floor	119.30
Rehab Wing D	Service Basement + Ground floor + 1st to 19th Residential floors	63.75
Rehab Wing E	Service Basement + Ground floor + 1st to 19th Residential floors	63.75

It is noted that the project earlier considered in 120th (Day-2) Meeting held on 15-11-2019 & deferred with observations namely 1) to provide separate parking for shops & to ensure that fire tender movement should be circulatory without any hurdles especially access road of rehab building. 2) to ensure that proposed STP should be 40% open to sky for adequate ventilation. 3) to submit the detail RG calculation. 4) to upload the CFO NoC for sale & rehab building also Accordingly, PP submitted the compliance which was taken on record.

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

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) PP to ensure by providing necessary security that the access road of 6mt on north side of plot is exclusively used by rehab tenements only & not for any parking of customers of visiting shop area.
2) The PP to get NOC from competent authority with reference to Thane creek flamingo sanctuary if the project site falls within 10 Km radius from the said sanctuary boundary. The planning authority to ensure fulfilment of this condition before granting CC.
3) PP to submit CER prescribed by MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project. The specific activities to be undertaken under CER to be carried out in consultation with Municipal Corporation or collector or Environment Department.

FINAL RECOMMENDATION

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

Agenda of 126th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 126 **Meeting Date** January 7, 2020

Subject: Environment Clearance for "Naman Premier" (Amendment in EC) At Marol Andheri (East), Mumbai

Is a Violation Case: No

1.Name of Project	"Naman Premier"
2.Type of institution	Private
3.Name of Project Proponent	M/s. Shree Naman Developers Pvt Ltd.
4.Name of Consultant	Ultra-Tech
5.Type of project	Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	Amendment in EC
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Received Environmental Clearance dated 23rd June 2015
8.Location of the project	304, 305, 317, 322 of Marol Village, Premier Textile Processor, Military Road, Marol Andheri (E), Mumbai -400059
9.Taluka	Andheri
10.Village	Marol
Correspondence Name:	Mr. Debashis Mitra
Room Number:	C-31
Floor:	--
Building Name:	Naman Centre -Bandra Kurla Complex
Road/Street Name:	--
Locality:	Bandra (E),
City:	Mumbai – 400051
11.Whether in Corporation / Municipal / other area	Municipal Corporation of Greater Mumbai (M.C.G.M.)
12.IOD/IOA/Concession/Plan Approval Number	Concession received on dated 01.09.2017
	IOD/IOA/Concession/Plan Approval Number: CHE/WS/0442/K/337(New)
	Approved Built-up Area: 21925.01
13.Note on the initiated work (If applicable)	Total constructed work (FSI+ Non FSI): 11,500 Sq. mt.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	CHE/WS/0442/K/337(New)
15.Total Plot Area (sq. m.)	8959.50
16.Deductions	2265.41
17.Net Plot area	6694.09
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 21925.01
	b) Non FSI area (sq. m.): 38090.74
	c) Total BUA area (sq. m.): 60015.75
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 21925.01
	Approved Non FSI area (sq. m.): 38090.74
	Date of Approval: 09-01-2017
19.Total ground coverage (m2)	3270.36
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	49
21.Estimated cost of the project	3752900000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building-1 Wing A	3Basement + Stilt + 3Podia + 4 to 18 upper floors + 19 pt floor	62.08 (Upto terrace level)
2	Building-1 Wing B	3Basement + Stilt + 3Podia + 4 to 19 upper floors	62.08 (Upto terrace level)
3	Building-1 Wing C	3Basement + Stilt + 3Podia + 4 to 19 upper floors	62.08 (Upto terrace level)
4	Building-1 Wing D	3Basement + Stilt + 3Podia + 4 to 18 upper floors + 19 pt floor	62.08 (Upto terrace level)
5	Building-1 Wing E	3Basement + Stilt + 3 Podia + 4 to 18 upper floors	59.04 (Upto terrace level)
6	Building-1 Wing F	3Basement + Stilt + 3 Podia + 4 to 18 upper floors	59.04 (Upto terrace level)

23.Number of tenants and shops	423
24.Number of expected residents / users	1919
25.Tenant density per hectare	632/ hector
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	18.30 mt. wide Military road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Will be Submitted
29.Existing structure (s) if any	There was a closed down processing unit of M/s. Premier Textile Processors, which has been demolished.
30.Details of the demolition with disposal (If applicable)	The debris has been already disposed to authorized site with permission from M.C.G.M.

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	M.C.G.M. / Tanker water
	Fresh water (CMD):	173 KLD
	Recycled water - Flushing (CMD):	86 KLD
	Recycled water - Gardening (CMD):	9 KLD
	Swimming pool make up (Cum):	1 KLD
	Total Water Requirement (CMD) :	269 KLD
	Fire fighting - Underground water tank(CMD):	300 KL
	Fire fighting - Overhead water tank(CMD):	50 KL
	Excess treated water	107 KLD
Wet season:	**Source of water**	M.C.G.M./ Rain Water Harvesting (RWH) / Tanker Water
	Fresh water (CMD):	173 KLD
	Recycled water - Flushing (CMD):	86 KLD
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	1 KLD
	Total Water Requirement (CMD) :	260 KLD
	Fire fighting - Underground water tank(CMD):	300 KL
	Fire fighting - Overhead water tank(CMD):	50 Kl
	Excess treated water	116 KLD
Details of Swimming pool (If any)	Volume of Swimming pool is 95 m3	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Below 1.5 mt. to 2.10 mt.
	Size and no of RWH tank(s) and Quantity:	1 RWH tank of capacity 80 KL
	Location of the RWH tank(s):	Basement
	Quantity of recharge pits:	Provision of shallow trenches of length 78 mt.
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	25.50 Lacs
	Budgetary allocation (O & M cost) :	1.68 Lacs/annum
	Details of UGT tanks if any :	Basement Level
35.Storm water drainage	**Natural water drainage pattern:**	The storm water collected through the storm water drains of adequate capacity will be discharged to external drain.
	Quantity of storm water:	0.22 m3/sec
	Size of SWD:	0.45 m3/sec
Sewage and Waste water	**Sewage generation in KLD:**	225
	STP technology:	MBBR
	Capacity of STP (CMD):	1 STP of 250 KLD
	Location & area of the STP:	Basement level
	Budgetary allocation (Capital cost):	48.78 Lacs
	Budgetary allocation (O & M cost):	12.25 Lacs/annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Excavated material 13250.00 Cum. has been reused for backfilling and 52580.00 Cum has been disposed to authorized sites.
	Disposal of the construction waste debris:	Construction waste generated partly used for filling and partly shall be disposed by covered trucks to the authorized sites with permission from M.C.G.M.
Waste generation in the operation Phase:	**Dry waste:**	518 Kg/day
	Wet waste:	345 Kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	34 Kg/day
	Others if any:	--

Mode of Disposal of waste:	**Dry waste:**	To authorized recyclers
	Wet waste:	Organic Waste Converters (OWC)
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	As manure
	Others if any:	--
Area requirement:	**Location(s):**	Ground Level
	Area for the storage of waste & other material:	35 sq. m.
	Area for machinery:	12 sq. m.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	9.00 Lacs
	O & M cost:	1.98 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	--	--	--	--	--	--

40.Details of Fuel to be used

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

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

43.Green Belt Development	**Total RG area :**	1339.69
	No of trees to be cut :	13 Nos.
	Number of trees to be planted :	39 Nos.
	List of proposed native trees :	As given below in List of proposed plantation on ground
	Timeline for completion of plantation :	Before occupation

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Tabebuia rosea	Rosy trumpet tree	6	Used as medicine in treatment of anemia and constipation
2	Peltophorum pterocarpum	Copper Pod	5	Ornamental tree, The wood has a wide variety of uses, including cabinet-making
3	Delonix regia	Gulmohar	7	Ornamental and Flowering Tree
4	Alstonia scholaris	Saptaparni	7	Evergreen tropical tree. Used as astringent tonic, anthelmintic, and antiperiodic
5	Saraca asoca	Sita Ashoka	7	Evergreen tree, with deep green leaves growing in dense clusters. Have beautiful foliage and fragrant flowers.
6	Lagerstroemia indica	Crape Myrtle	7	Colorful and long-lasting flowers
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	Reliance Energy
	During Construction Phase: (Demand Load)	100 KW
	DG set as Power back-up during construction phase	As per requirement
	During Operation phase (Connected load):	5936 KW
	During Operation phase (Demand load):	2441 KW
	Transformer:	--
	DG set as Power back-up during operation phase:	2 D.G. set of capacity 500 kVA each
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

• Use of BEE certified motors timer controlled operation
• Use of T5 fittings & Electronic ballast instead of Fluorescent Light Fittings & copper ballasts.
• External lighting on solar with LED lamps & timer controlled operation for reducing amount of light at different stages as per requirement
• Provision of high efficiency five star rated pumps with level sensors for STP
• Use solar based standalone street Light Fixture
• Provision of PV panels on Residential Building Terrace to feed the common area lighting of the building

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	oveall Energy Saving %	20.5 %
2	Saving Due to Renewable Energy	6 %

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	12.48 Lacs
	O & M cost:	0.25 Lacs/annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Dust suppression	5.40
2	Air Environment	Air & Noise monitoring- Sensors for Air and Noise quality monitoring	12.50

3	Air Environment	Air & Noise monitoring-By outside MOEF Approved Laboratory	1.10
4	Water Environment	Drinking water analysis	0.90
5	Land Environment	Site Sanitation	5.0
6	Health & Hygiene	Disinfection- Pest Control	6.00
7	Health & Hygiene	Health Checkup of workers	22.50
8	Cost towards Disaster management	--	2.84

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air, Noise Environment & Biological Environment	Cost for Gardening	7.37	1.20
2	Air, Noise Environment & Biological Environment	Cost for Ambient air & Noise Monitoring	*No set up cost is involved	0.22
3	Air, Noise Environment & Biological Environment	Maintenance of sensors - Air & Noise	Set up already considered in construction phase	0.50
4	Air, Noise Environment & Biological Environment	Cost for DG Stack Exhaust Monitoring	*No set up cost is involved	0.10
5	Water Environment	Waste water treatment - Waste water treatment	30.78	11.25
6	Water Environment	Waste water treatment -Cost for Waste water Monitoring- On site Sensors	18.00	1.00
7	Water Environment	Waste water treatment -Cost for Waste water Monitoring-By outside MOEF Approved Laboratory	*No set up cost is involved	0.03
8	Water Environment	Water Conservation (Rain Water Harvesting System) - Cost for RWH tanks	12.50	0.63
9	Water Environment	Water Conservation (Rain Water Harvesting System) - Cost for treatment unit for rain water tanks	3.00	0.01

10	Water Environment	Water Conservation (Rain Water Harvesting System) - Cost for Rainwater Monitoring	*No set up cost is involved	0.05
11	Water Environment	Trenches	10.00	1.00
12	Land Environment (Solid Waste Management)	Cost for Treatment of biodegradable garbage in OWC	9.00	1.90
13	Land Environment (Solid Waste Management)	Cost for monitoring of organic manure	*No set up cost is involved	0.08
14	Energy Conservation	Solar System	12.48	0.25
15	Cost towards Disaster management	--	1049	36.00

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:	Three entry and exit to the main road.

Parking details:	**Number and area of basement:**	3 Nos.
	Number and area of podia:	3 Nos.
	Total Parking area:	5234.89 Sq. mt.
	Area per car:	--
	Area per car:	--
	Number of 2-Wheelers as approved by competent authority:	161 Nos.
	Number of 4-Wheelers as approved by competent authority:	484 Nos.
	Public Transport:	NA
	Width of all Internal roads (m):	6.00 mt. wide internal roads.
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park: Within 2.60 Km
	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.	Yes
	Date of online submission	17-04-2018

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

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

PP informed that, the project under consideration is amendment housing project. PP further stated that, the total plot area of the project is 8959.50 Sq.mt having total construction area 60015.75 Sq.mt (FSI - 21925.01 Sq.mt + NON FSI- 38090.74 Sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Building-1 Wing A	3Basement + Stilt + 3Podia + 4 to 18 upper floors + 19 pt floor	62.08 (Upto terrace level)
Building-1 Wing B	3Basement + Stilt + 3Podia + 4 to 19 upper floors	62.08 (Upto terrace level)
Building-1 Wing C	3Basement + Stilt + 3Podia + 4 to 19 upper floors	62.08 (Upto terrace level)
Building-1 Wing D	3Basement + Stilt + 3Podia + 4 to 18 upper floors + 19 pt floor	62.08 (Upto terrace level)
Building-1 Wing E	3Basement + Stilt + 3 Podia + 4 to 18 upper floors	59.04 (Upto terrace level)
Building-1 Wing F	3Basement + Stilt + 3 Podia + 4 to 18 upper floors	59.04 (Upto terrace level)

It is noted that, Project has received Environmental clearance vide letter dated 23rd June 2015.

It is noted that the project earlier considered in 120th (Day-2) Meeting held on 15-11-2019 & deferred with observations namely. 1) PP to submit the dated Architect certificate addressing to committee regarding building wise construction (Configuration, FSI, NoN-FSI, TBUA) approved in earlier EC, approvals from local Authority, actual construction done and proposed expansion. 2) PP to submit the cross sections of earlier approved buildings & now proposed buildings. 3) PP to superimpose layout plan of project submitted during earlier EC & layout of plan submitted for expansion. Accordingly, PP submitted the compliance which was taken on record.

Committee noted that, the building configuration approved in earlier EC was 1 building with 6 wings- 3B +G +13 floors each but as per architect certificate submitted by PP for construction done on site, the building configuration mentioned as 3B+ stilt+ 3 podium +1 to 5th floor, that means PP has constructed the 3 podium which was not sanctioned in earlier EC, this tends to violation of earlier issued EC dated 23rd June 2015.

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

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) Committee noted that, the building configuration approved in earlier EC was 1 building with 6 wings- 3B +G +13 floors each but as per architect certificate submitted by PP, the building configuration mentioned as 3B+ stilt+ 3 podium +1 to 5th floor. Also there is change in building locations. PP to submit dated Architect certificate addressing to committee regarding building wise construction (Configuration, FSI, NoN-FSI, TBUA) approved in earlier EC, approvals from local Authority, actual construction done and proposed expansion. The Architect along with said certificate also submit the cross-sections of floors of buildings approved through earlier E.C. and the cross- sections of 3 podiums already constructed.
2) PP to submit the latest building wise photographs especially clearly showing the podiums of the buildings.
3) PP to superimpose building wise cross section of project submitted during earlier EC & cross section submitted for expansion

FINAL RECOMMENDATION

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

Agenda of 126th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 126 **Meeting Date** January 7, 2020

Subject: Environment Clearance for Expansion of Proposed SR Scheme on plot bearing CS No. 1500 (Pt), 2116 (Pt), 2124 of Mahim Division, Mumbai – 400016 for 'Navkiran Co-op Hsg Soc (Prop), 'New Janta Co-op Hsg Soc (Prop)' & 'Hind Ekta Co-op Hsg Soc (Prop), Mumbai – 400016 by M/s. Shree Nidhi concept realtors Pvt. Ltd.

Is a Violation Case: No

1.Name of Project	Expansion of Proposed SR Scheme on plot bearing CS No. 1500 (Pt), 2116 (Pt), 2124 of Mahim Division, Mumbai – 400016 for 'Navkiran Co-op Hsg Soc (Prop), 'New Janta Co-op Hsg Soc (Prop)' & 'Hind Ekta Co-op Hsg Soc (Prop), Mumbai – 400016
2.Type of institution	TOR
3.Name of Project Proponent	M/s. Shree Nidhi Concept Realtors Pvt. Ltd.
4.Name of Consultant	M/s. Enviro Analysts & Engineers Pvt. Ltd.
5.Type of project	SRA Scheme
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	EC received on 12-05-2017 (SEAC-2016/C.R.424/TC-1)
8.Location of the project	CS No. 1500 (Pt), 2116 (Pt), 2124of Mahim Division, Mumbai – 400016
9.Taluka	Mumbai
10.Village	Mahim
Correspondence Name:	M/s. Shree Nidhi Concepts Realtors Pvt. Ltd.
Room Number:	-
Floor:	-
Building Name:	Omkar House
Road/Street Name:	Off Eastern Express Highway
Locality:	Opp. Sion Chunnabhatti Signal,
City:	Sion (East), Mumbai – 400 022.
11.Whether in Corporation / Municipal / other area	Municipal Corporation of Greater Mumbai (MCGM)
12.IOD/IOA/Concession/Plan Approval Number	yes
	IOD/IOA/Concession/Plan Approval Number: SRA/ENG/2025/GN/STGL/LOI DATED : - 8th March 2017
	Approved Built-up Area: 47249.01
13.Note on the initiated work (If applicable)	Demolition of slums
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	SRA/ENG/2025/GN/STGL/LOI DATED : - 8th March 2017
15.Total Plot Area (sq. m.)	20465.72 sq.m
16.Deductions	4949.74 sq.m
17.Net Plot area	15515.98 sq.m.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 93058.98
	b) Non FSI area (sq. m.): 112359.81
	c) Total BUA area (sq. m.): 205418.79
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 47249.01
	Approved Non FSI area (sq. m.): -
	Date of Approval: 08-03-2017
19.Total ground coverage (m2)	6350.5
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	40.92
21.Estimated cost of the project	7946700000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Rehab Bldg. 01	1 Basement + Gr. + 5 Podium + 34 Floors	116.10 (Up to terrace level)
2	Rehab Bldg. 02	Gr. + 6 (pt) Floors	21.15 (Up to terrace level)
3	Sale Tower 1	3 Basement + Gr.+ 5 Podium + 1 Part Amenity / Part Habitable + 38 Floors	141.20 (Up to terrace level)
4	Sale Tower 2	3 Basement + Gr.+ 5 Podium + 1 Part Amenity / Part Habitable + 38Floors	141.20 (Up to terrace level)
5	Sale Tower 3	3 Basement + Gr.+ 5 Part Podium / Part Habitable + 1 Part Amenity / Part Habitable + 38 Floors	141.20 (Up to terrace level)

23.Number of tenants and shops	Sale Tower 1 : - Resi – 221 Nos Sale Tower 2 : - Resi - 221 Nos Sale Tower 3 : - Resi – 231 Nos Comm – 04 Nos Layout – Existing Amenity – 7 Nos. Rehab Bldg. 01 – Resi – 1075 Nos, Comm. – 47 Nos, R/C – 13 Nos , Amenity – 33 Nos Rehab Bldg. 02 – Resi – 40 Nos, Comm. – 81 Nos ; R/C- 13 Nos
24.Number of expected residents / users	9718
25.Tenant density per hectare	886 tenants/hector
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	13.40 m wide DP Rd
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Min 9.00m
29.Existing structure (s) if any	Slums existing onsite
30.Details of the demolition with disposal (If applicable)	The debris generated from demolition activity will be disposed as per the approval of M.C.G.M.

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):	846
	Recycled water - Flushing (CMD):	429
	Recycled water - Gardening (CMD):	9
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	1284
	Fire fighting - Underground water tank(CMD):	350 cum & 200 cum each for 3 Towers
	Fire fighting - Overhead water tank(CMD):	30 cum& 50 cum each for 3 Towers
	Excess treated water	633
Wet season:	**Source of water**	MCGM/Recycled water/RWH Tank
	Fresh water (CMD):	846
	Recycled water - Flushing (CMD):	429
	Recycled water - Gardening (CMD):	--
	Swimming pool make up (Cum):	--
	Total Water Requirement (CMD) :	1275
	Fire fighting - Underground water tank(CMD):	350 cum & 200 cum each for 3 Towers
	Fire fighting - Overhead water tank(CMD):	30 cum& 50 cum each for 3 Towers
	Excess treated water	642
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	-
	Size and no of RWH tank(s) and Quantity:	165 cum & 150 cum
	Location of the RWH tank(s):	Underground
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Will be provided during EIA study
	Budgetary allocation (O & M cost) :	Will be provided during EIA study
	Details of UGT tanks if any :	-
35.Storm water drainage	**Natural water drainage pattern:**	Natural drainage pattern will be maintained
	Quantity of storm water:	Will be provided during EIA study
	Size of SWD:	Will be provided during EIA study
Sewage and Waste water	**Sewage generation in KLD:**	1191 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	1200 KLD
	Location & area of the STP:	At Basement level
	Budgetary allocation (Capital cost):	Will be provided during EIA study
	Budgetary allocation (O & M cost):	Will be provided during EIA study
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Excavated waste material generated will be reused for backfilling and rest shall be disposed with permission from Municipal authority.
	Disposal of the construction waste debris:	Construction debris shall be used for temporary leveling of site and internal roads. Remaining debris will be disposed off as per debris management plan.
Waste generation in the operation Phase:	**Dry waste:**	1944 Kg/day
	Wet waste:	2913 Kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	58Kg/day
	Others if any:	Nil

Mode of Disposal of waste:	**Dry waste:**	Will be hand over to Local Recyclers.
	Wet waste:	Will be processed in the OWC. Manure obtained shall be used for landscaping / Gardening, Excess manure shall be sold to nearby end users
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	To be used as a manure
	Others if any:	NA
Area requirement:	**Location(s):**	At ground level
	Area for the storage of waste & other material:	190 sq.m.
	Area for machinery:	20.5 sq.m.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Will be provided during EIA study
	O & M cost:	Will be provided during EIA study

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 :**	1244.72 sq.m. (8%)
	No of trees to be cut :	As per tree NOC
	Number of trees to be planted :	65 nos.
	List of proposed native trees :	As below
	Timeline for completion of plantation :	At the end of the construction phase

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Pongamia pinnata	Karanj	7	Shady
2	Azardirachta indica	Neem	5	Control soil erosion
3	Psidium guajava	Peru	8	Edible fruit
4	Syzygium cumini	Jambhul	5	Edible fruit
5	Prunus dulcis	Badam	10	Edible fruit
6	Ficus racemosa	Umber	4	Shady
7	Phyllanthus emblica	Amla	8	Edible fruit
8	Ficus religiosa	Pimpal	4	Shady
9	Peltophorum pterocarpum	Peltophorum	6	Shady
10	Mangifera indica	Mango	8	Edible fruit
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	BEST
	During Construction Phase: (Demand Load)	80 KW
	DG set as Power back-up during construction phase	100 KVA
	During Operation phase (Connected load):	7057 KW
	During Operation phase (Demand load):	5292 KW
	Transformer:	3 Nos 1000 KVA Transformer & 1 Nos 630 KVA , 3 Nos 1000 KVA Transformer & 1 Nos 315 KVA
	DG set as Power back-up during operation phase:	1 No. of 750 KVA , 2 Nos of 500 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	Nil

48.Energy saving by non-conventional method:

- 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
- Energy efficient fixtures & equipment

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Overall Energy saving for the overall project	2%

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Will be provided during EIA study
	O & M cost:	Will be provided during EIA study

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Will be provided during EIA study	Will be provided during EIA study	Will be provided during EIA study

b) Operation Phase (with Break-up):

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

1	Will be provided during EIA study	Will be provided during EIA study	Will be provided during EIA study	Will be provided during EIA study

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	2 Nos.of entry exits through 13.40m wide DP Road
Parking details:	**Number and area of basement:**	Sale - 3 Basement , Area = 17157.63 Sq.mtr , Rehab – 1 Basement, Area = 1393.45 Sq.mtr
	Number and area of podia:	Sale - 5 Podium , Area = 23809.45 Sq.m , Rehab– 5 Podium, Area = 9098.67 Sq.mtr
	Total Parking area:	37493.36 Sq.mtr
	Area per car:	As per NBC
	Area per car:	As per NBC
	Number of 2-Wheelers as approved by competent authority:	Nil
	Number of 4-Wheelers as approved by competent authority:	1146 nos.
	Public Transport:	Nil
	Width of all Internal roads (m):	6m to 9 m
	CRZ/ RRZ clearance obtain, if any:	Project received MCZMA NOC vide letter CRZ 2016/CR 44/TC 4 dated 21st October 2016. Further as per the approved CZMP w/r to CRZ Notification u/n. S.O 19 (E) dated 6th January 2011 and IRS demarcation map & report by IRS Chennai dated 07.05.2019, the plot u/r falls outside CRZ.
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	As per Annexure-II of draft notification published by MOEFCC u/no. S.O.229 (E) dated 22/01/2016, the plot under reference falls outside proposed eco-sensitive zone

	Category as per schedule of EIA Notification sheet	Schedule 8b, category B
	Court cases pending if any	Nil
	Other Relevant Informations	Nil
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	18-07-2019

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

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

PP informed that, the project under consideration is expansion *SRA scheme project. PP further stated that, t*he total plot area of the project is 20465.72 Sq.mt having total construction area 195586.31Sq.mt (FSI – 92491.36 Sq.mt + NON FSI- 103094.95 Sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Rehab Bldg. 01	1 Basement + Gr. + 5 Podium + 34 Floors	116.10
Rehab Bldg. 02	Gr. + 6 (pt) Floors	21.15
Sale Tower 1	3 Basement + Gr.+ 5 Podium + 1 Part Amenity / Part Habitable + 38 Floors	141.20
Sale Tower 2	3 Basement + Gr.+ 5 Podium + 1 Part Amenity / Part Habitable + 38Floors	141.20
Sale Tower 3	3 Basement + Gr.+ 5 Part Podium / Part Habitable + 1 Part Amenity / Part Habitable + 38 Floors	141.20

It is noted that, Project has received Environmental clearance vide letter dated 12-05-2017 for total built up area 47469.03Sq.mt. PP stated that, No construction started yet on site as per earlier EC.

It is noted that the project earlier considered in 107th Meeting held on 30-07-2019 & ToR accorded for the same. Accordingly, PP submitted the EIA report & compliance which was taken on record.

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

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) PP to obtain CRZ NoC, if required.
2) PP to ensure to design the basement, shore pilling considering the geo-tech report.
3) PP to abide by the all conditions mentioned in the SWD NoC dated 4/1/2020 & sewer NoC dated 6/1/2020.
4) PP to use maximum treated waste water to reduce disposal to 35% in sewer line of planning authority.
5) PP to explore the possibility to increase the solar energy saving from 4.5 % to 5%.
6) PP to provide Fire hydrants along with necessary equipment on top of the podium and separate stair case which go direct to the podium for fire man. Also PP to abide by all conditions laid in CFO NoC.
7) The PP to get NOC from competent authority with reference to Thane creek flamingo sanctuary if the project site falls within 10 Km radius from the said sanctuary boundary. The planning authority to ensure fulfilment of this condition before granting CC.
8) PP to submit CER prescribed by MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project. The specific activities to be undertaken under CER to be carried out in consultation with Municipal Corporation or collector or Environment Department.

FINAL RECOMMENDATION

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

SEAC Meeting number: 126 **Meeting Date** January 7, 2020

Subject: Environment Clearance for Building and Construction Project

Is a Violation Case: No

1.Name of Project	Paradise Park
2.Type of institution	Private
3.Name of Project Proponent	M/s. Parikh Investment & Development Pvt Ltd
4.Name of Consultant	EIA Coordinator: Sourabh jaiswar; M/s SGM Corporate consultant Pvt Ltd
5.Type of project	Residential cum commercial Project
6.New project/expansion in existing project/modernization/diversification in existing project	Amendment in environmental Clearance
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	EC obtained on dated 28/12/2011
8.Location of the project	S. No: 88A + 369B/3, 4, H. No. 1, 2, 4 (Plot A1)
9.Taluka	Vasai
10.Village	Bolinj
Correspondence Name:	Mr Pankaj Parikh
Room Number:	304
Floor:	III
Building Name:	Parikh Commercial center
Road/Street Name:	Agashi road
Locality:	Premium Park
City:	Virar (w)
11.Whether in Corporation / Municipal / other area	VVCMC
12.IOD/IOA/Concession/Plan Approval Number	VVCMC/TP/4167/2018/2019
	IOD/IOA/Concession/Plan Approval Number: VVCMC NOC for EC: VVCMC/TP/4167/2018/2019 dated 12-02-2019
	Approved Built-up Area: 71819.34
13.Note on the initiated work (If applicable)	Construction work is under progrees as per granted EC.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	25845.42
16.Deductions	1680.00
17.Net Plot area	24165.42
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 44562.89
	b) Non FSI area (sq. m.): 27256.45
	c) Total BUA area (sq. m.): 71819.34
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 44562.89
	Approved Non FSI area (sq. m.): 27256.45
	Date of Approval: 12-02-2019
19.Total ground coverage (m2)	9550.00
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	36
21.Estimated cost of the project	450000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	01 CFC Bldg	B + G+ 7	23.95
2	01 Residential Bldg with shopline (Bldg No. 3)	G/ST +14	43.85
3	01 Residential Bldg with shopline (Bldg No. 1)	Gr./Stilt+4 Podiums+17 floors	69.15
4	03 Residential Bldg (Bldg No. 4, 5, 6)	G + 7	23.95
5	01 Residential Bldg (Bldg No. 2)	G + 9	32.25
6	01 Residential bungalow (Bldg No. 7)	G + 2	8.80

23.Number of tenants and shops	No of tenements : 731 & Shops : 51 No's
24.Number of expected residents / users	3655 No's
25.Tenant density per hectare	292
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	18.00 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	7.5 m
29.Existing structure (s) if any	yes constructed as per EC
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	VVCMC
	Fresh water (CMD):	331
	Recycled water - Flushing (CMD):	167
	Recycled water - Gardening (CMD):	20
	Swimming pool make up (Cum):	00
	Total Water Requirement (CMD) :	518
	Fire fighting - Underground water tank(CMD):	100, 150
	Fire fighting - Overhead water tank(CMD):	25, 25
	Excess treated water	170
Wet season:	**Source of water**	VVCMC
	Fresh water (CMD):	331
	Recycled water - Flushing (CMD):	167
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	00
	Total Water Requirement (CMD) :	498
	Fire fighting - Underground water tank(CMD):	100, 150
	Fire fighting - Overhead water tank(CMD):	25, 25
	Excess treated water	190
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	4 to 5 m
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	05 RWH pits and 03 ringwells are provided
	Size of recharge pits :	2.0 x 2.0 x 2.0 m
	Budgetary allocation (Capital cost) :	5.5 Lakhs
	Budgetary allocation (O & M cost) :	1.0 Lakhs
	Details of UGT tanks if any :	Total capacity of domestic tanks : 340 cum & Flushing tanks : 170 cum
35.Storm water drainage	**Natural water drainage pattern:**	Nallaha through storm water drain
	Quantity of storm water:	0.50 cum/sec
	Size of SWD:	300 x 600 mm
Sewage and Waste water	**Sewage generation in KLD:**	398
	STP technology:	MBBR Technolgy
	Capacity of STP (CMD):	02 (250 & 150 cum)
	Location & area of the STP:	Below Ground
	Budgetary allocation (Capital cost):	95.0 Lakhs
	Budgetary allocation (O & M cost):	11.2 Lakhs
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	250 to 500 kg/day
	Disposal of the construction waste debris:	This material shall be used for back filling and leveling of the plot and remaining will be disposed to authorized sites, • Construction debris:- construction waste will be partly reused for backfilling, counterweight of raft, road works and landscaping etc
Waste generation in the operation Phase:	**Dry waste:**	1110 kg/day
	Wet waste:	565 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	45 kg/day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Segregate the recycle material and handed over to Authorised vendor of VVCMC
	Wet waste:	Convert into compost
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Manure
	Others if any:	NA
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	52 sq.m
	Area for machinery:	8.2 sq.m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	10.20 Lakhs
	O & M cost:	3.20 Lakhs

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

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

43.Green Belt Development	**Total RG area :**	3713.30 sq.m
	No of trees to be cut :	NA
	Number of trees to be planted :	305
	List of proposed native trees :	enclosed
	Timeline for completion of plantation :	Dec 2020

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadirachta indica	Neem	25	evergreen tree with medicinal value
2	Pongamia Pinnata	Karanj	15	fast-growing deciduous tree, white, purple, and pink flowers blossoming throughout the year, bird host plant.
3	Mimusops Elengi	bakul	25	Medium-sized evergreen tree, Its timber is valuable
4	Lagerstromia indica	Taman	15	State flower of maharashtra, medium size tree with beautiful purple flower.
5	Michelia champaca	Sonchafa	30	Medium size evergreen tree. Fragrant yellow flowers,butterfly host plant.
6	Butea monosperma	Palas	25	Semi - evergreen tree with medicinal value.
7	Saraca asoka	Sita Ashok	80	Evergreen medium size white flowering tree, beautiful foliage and fragrant flowers, herbal medicine value
8	Emblica Officinalis	Awala	05	Medicinal plant, edible fruits, butterfly host tree
9	Mangifera indica	AAm	25	greening & popular edible fruits, medicinal
10	Syzyguim jambos	jamun	10	Large tree, medicinal plant,Bird host plant
11	Bahunia purpurea	kanchan	15	Medium size pink flowering tree
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEB
	During Construction Phase: (Demand Load)	100 KW
	DG set as Power back-up during construction phase	125 KVA
	During Operation phase (Connected load):	5586 KW
	During Operation phase (Demand load):	3841 KVA
	Transformer:	3 X 1500 KVA
	DG set as Power back-up during operation phase:	2 X 35 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Auto Timer control for external & Common lighting
• Use of LED lamps in all public/ common areas.
• Solar lighting.
• Electronic V3F Drives for Elevators

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Auto Timer control for external & Common lighting • Use of LED lamps in all public/ common areas. • Solar lighting. • Electronic V3F Drives for Elevators	18.20 %

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:**	35 Lakhs
	O & M cost:	3.2 Lakhs

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Drinking water	as per Drinking water standard	5.50
2	Sanitation	pH, BOD, COD, SS	4.50
3	Health Check Up	TB, Blood check up, ECG, dengue etc	3.50

4	Safety	helmets, nets, Barricading, ealplugs, CCTV,	18.0

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewerage Treatment Plant	pH, BOB, COD, TSS etc	95.0	11.20
2	Rain Water Harvesting	Oil & Grease, pH etc	5.5	1.0
3	Solid waste Mangement	Wet & dry Waste	10.20	3.20
4	Energy Saving Measures	Solar, non conventional Appliances 65.0	35.0	3.2
5	Greenbelt Development	Plantation	12.50	2.50

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

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

52.Any Other Information

No Information Available

53.Traffic Management

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

Parking details:	**Number and area of basement:**	01 Basement (350.66 sq.m)
	Number and area of podia:	04 (8059.64sq.m)
	Total Parking area:	11850.00 sq.m
	Area per car:	12.50
	Area per car:	12.50
	Number of 2-Wheelers as approved by competent authority:	782
	Number of 4-Wheelers as approved by competent authority:	368
	Public Transport:	Auto richshaw, Local Bus
	Width of all Internal roads (m):	6.0
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	1.0 Km from Mangrooves
	Category as per schedule of EIA Notification sheet	8 a (B1)
	Court cases pending if any	NA
	Other Relevant Informations	Application uploaded on MOEFCC portal on dated 28/12/2018 and our file no is SIA/MH/NCP/30562/2011
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	28-12-2018

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 SGM Corporate consultant Pvt Ltd.

PP informed that, the project under consideration is amendment in environmental clearance residential cum commercial project. *PP further stated that, t*he total plot area of the project is 25845.42 Sq.mt having total construction area 71819.34 Sq.mt (FSI - 44562.89 Sq.mt + NON FSI- 27256.45 Sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
01 CFC Bldg	B + G+ 7	23.95
01 Residential Bldg with shopline (Bldg No. 3)	G/ST +14	43.85
01 Residential Bldg with shopline (Bldg No. 1)	Gr./Stilt+4 Podiums+17 floors	69.15
03 Residential Bldg (Bldg No. 4, 5, 6)	G + 7	23.95
01 Residential Bldg (Bldg No. 2)	G + 9	32.25
01 Residential bungalow (Bldg No. 7)	G + 2	8.80

It is noted that, Project has received Environmental clearance vide letter dated 28/12/2011 for total built up area 53179.95Sq.mt.

During presentation committee noted that, the building No 3 was approved with building configuration G+11 floors but as per architect certificate submitted by PP shows that, PP has carried out the construction of the same with configuration as G+14 floors, this tends to violation of earlier issued EC dated 28/12/2011. Committee also noted that, the total construction carried out till date is 45597.55Sq.mt which is less than approved total built up area i.e 53179.95Sq.mt. Considering the above facts, after detail deliberation, as there is change in building profile **committee decided to refer the matter to SEIAA for**

DECISION OF SEAC

Considering the above facts, after detail deliberation, as there is change in building profile **committee decided to refer the matter to SEIAA for further necessary decision.**

Specific Conditions by SEAC:

FINAL RECOMMENDATION

Kindly find SEAC decision above.

Agenda of 126th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 126 **Meeting Date** January 7, 2020

Subject: Environment Clearance for Environment Clearance for 'Proposed Redevelopment Project'

Is a Violation Case: No

1.Name of Project	"Proposed Redevelopment Project" at Vashi, Navi Mumbai.
2.Type of institution	Private
3.Name of Project Proponent	M/s. Suncity Infrastructures (Mumbai) LLP; (Mr. Rajib Das – Designated Partner)
4.Name of Consultant	M/s. Ultra-Tech
5.Type of project	Redevelopment 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 18 [S. Nos. :138 (part), 111 (part), 126 (part), 137 (part), 89 (part), 50 (part), 135 (part), Plot 3 (S.Nos. 114 (part), 113 (part), 115 (part), 42 (part), 111 (part), 131 (part), 137 (part), 110 (part)], Vashi, Navi Mumbai .
9.Taluka	Navi Mumbai
10.Village	Vashi
Correspondence Name:	M/s. Suncity Infrastructures (Mumbai) LLP; (Mr. Rajib Das –Designated Partner)
Room Number:	--
Floor:	5th Floor
Building Name:	Godrej One
Road/Street Name:	Eastern Express Highway
Locality:	Pirojshanagar, Vikhroli (East)
City:	Mumbai
11.Whether in Corporation / Municipal / other area	Navi Mumbai Municipal Corporation (NMMC)
12.IOD/IOA/Concession/Plan Approval Number	Shall be applied
	IOD/IOA/Concession/Plan Approval Number: Shall be applied
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	Not Applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Shall be applied
15.Total Plot Area (sq. m.)	20719.50 Sq. mt.
16.Deductions	907.96 Sq. mt.
17.Net Plot area	19811.54 Sq. mt.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 44490.14 Sq. mt.
	b) Non FSI area (sq. m.): 90,625.61 Sq. mt.
	c) Total BUA area (sq. m.): 135115.75
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval: 16-05-2019
19.Total ground coverage (m2)	4757.12 Sq. mt.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	24 %
21.Estimated cost of the project	3400000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Redevelopment: 2 Nos. Towers	--	--
2	Tower 1	2 Nos. Basements + Stilt + 36 floors	111.00
3	Tower 2	2 Nos. Basements + Stilt + 33 floors	102.00
4	Sale: 2 Nos. of Tower	--	--
5	Tower 1	2 Nos. Basements + Stilt + 33 floors	107.00
6	Tower 2	2 Nos. Basements + Stilt + 33 floors	107.00
7	Club House	Ground + 1 Floor	--

23.Number of tenants and shops	Redevelopment: 609 Nos. of Flats Sale: 382 Nos. of Flats Total: 991 Nos.
24.Number of expected residents / users	Redevelopment: 3109 Nos. Sale: 2042 Nos. Total: 5151 Nos.
25.Tenant density per hectare	478/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)	It is well connected by 12.00 mt wide DP road, 9 mt. wide Dayanshwar Marg and 8 mt. wide Rajmata Jijau Road.
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.00 mt.
29.Existing structure (s) if any	There are 39 Nos. of old dilapidated Buildings of G + 2 floors each on site which will be demolished.
30.Details of the demolition with disposal (If applicable)	Demolition Debris shall be partly recycled and partly shall be disposed to authorized landfill site

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**	N.M.M.C./ Tanker water for Swimming pool make up
	Fresh water (CMD):	464 KLD
	Recycled water - Flushing (CMD):	231 KLD
	Recycled water - Gardening (CMD):	34 KLD
	Swimming pool make up (Cum):	7 KLD
	Total Water Requirement (CMD) :	736 KLD
	Fire fighting - Underground water tank(CMD):	Total capacity: 600 KL
	Fire fighting - Overhead water tank(CMD):	Total capacity: 100 KL
	Excess treated water	278 KLD
Wet season:	**Source of water**	N.M.M.C./ Partly by RWH tank/ Tanker water for Swimming pool make up
	Fresh water (CMD):	464 KLD
	Recycled water - Flushing (CMD):	231 KLD
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	7 KLD
	Total Water Requirement (CMD) :	702 KLD
	Fire fighting - Underground water tank(CMD):	Total capacity: 600 KL
	Fire fighting - Overhead water tank(CMD):	Total capacity: 100 KL
	Excess treated water	312 KLD
Details of Swimming pool (If any)	Swimming pool of Total Volume: 504 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 0.5 mt. to 2.5mt.below ground level
	Size and no of RWH tank(s) and Quantity:	RWH tanks of total Capacity 120 KL
	Location of the RWH tank(s):	Basement
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Rs. 24.00 Lacs
	Budgetary allocation (O & M cost) :	Rs. 0.82 Lacs/annum
	Details of UGT tanks if any :	Location of UG Tanks: Basement
35.Storm water drainage	**Natural water drainage pattern:**	Storm water collected through the storm water drains of adequate capacity will be discharged in to the municipal SWD.
	Quantity of storm water:	0.38 m3/sec
	Size of SWD:	450 mm and 600 mm wide channel
Sewage and Waste water	**Sewage generation in KLD:**	603 KLD
	STP technology:	Moving Bed Bio Reactor (MBBR)
	Capacity of STP (CMD):	3 STPs of Total Capacity 665 KL
	Location & area of the STP:	Location: Basement
	Budgetary allocation (Capital cost):	Rs. 184.80 Lakhs
	Budgetary allocation (O & M cost):	Rs. 41.56 Lacs/annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Excavation material shall be disposed to Authorized landfill site.
	Disposal of the construction waste debris:	Construction waste material shall be partly reused/ recycled and remaining shall be disposed to the authorized site.
Waste generation in the operation Phase:	**Dry waste:**	1392 Kg/day
	Wet waste:	928 Kg/day
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	90 kg/day
	Others if any:	Not Applicable

Mode of Disposal of waste:	**Dry waste:**	NMMC/To Authorized recyclers
	Wet waste:	Treatment in 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:	71 Sq. mt.
	Area for machinery:	24 Sq. mt.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 18.00 Lacs
	O & M cost:	Rs. 11.10 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	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	HSD	Not applicable	Not applicable	Not applicable
41.Source of Fuel		Not applicable		
42.Mode of Transportation of fuel to site		Not applicable		

43.Green Belt Development	**Total RG area :**	RG Area: 4833.00 Sq. mt.
	No of trees to be cut :	92 Nos.
	Number of trees to be planted :	Total 276 Nos. of trees shall be planted
	List of proposed native trees :	As shown below
	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	Erythrina indica	Pangara	22	It is a drought resistant tree
2	Azadiracta indica	Neem	15	Large tree, fast-growing evergreen tree, drought resistance, Medicinal properties
3	Cassia fistula	Bahawa	20	Beautiful yellow flowers, it is relatively drought tolerant and slightly salt tolerant. It has medicinal properties
4	Mimusops elengi	Bakul	20	Its timber is valuable, the fruit is edible, and it is used in traditional medicine.
5	Lagerstroemia flosregineae	Tamhan	15	Medium sized tree, beautiful purple flowers, it has medicinal properties
6	Delonix regia	Gulmohar	18	Grown as an ornamental tree, attracts birds and petals.
7	Cassia javanica	Pink shower	21	It is planted as ornamental plant. It is a butterfly host plant.
8	Saraca asoca	Ashoka	20	Shady evergreen tree with red-yellow flowers.
9	Acacia auriculiformis	Maha Babul	21	Planted as ornamental plant, shady tree
10	Alstonia scholaris	Saptparni	22	Evergreen Shady Tree with fragrant flowers, Medicinal properties
11	Ficus microcarpa	Nandruk	20	Evergreen tree to 15 m (50 ft) or more in height, with a rounded dense crown, smooth gray bark, milky sap, and long, thin, dangling aerial roots.
12	Dalbergia sissoo	Indian rose wood	20	Deciduous or nearly evergreen tree, important commercial timber.
13	Eucalyptus globulus	Eucalyptus	18	Evergreen tree grows upto 60 mt. Its flowers attract insects, birds & bats
14	Tabebuia impetiginosa	Pink Trumpet tree	24	It is evergreen trees with silvery foliage and deeply furrowed, silvery bark
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	As per requirement
	During Operation phase (Connected load):	16669 KW
	During Operation phase (Demand load):	8181 KW
	Transformer:	7 Nos. of DG set of capacity 1250 KVA each
	DG set as Power back-up during operation phase:	4 Nos. of DG set of capacity 500 KVA each
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Shall be submitted

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Overall energy saving	Shall be submitted
2	Energy saving due to renewable energy	Shall be submitted

50.Details of pollution control Systems

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

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

1	Air Environment	Cost 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 at site - Pest Control	6.00
7	Health & Hygiene	Health Check-up of workers	10.80

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	AIR & NOISE ENVIRONMENT – Cost for Ambient Air quality & Noise Monitoring:	On site sensors	No set up cost is involved as already considered Construction Phase	0.50
2	AIR & NOISE ENVIRONMENT – Cost for Ambient Air quality & Noise Monitoring:	By outside MoEF & CC Approved Laboratory	No set up cost is involved	0.22
3	AIR & NOISE ENVIRONMENT - Cost for DG Stack Exhaust Monitoring	4 nos. of stacks	No set up cost is involved	0.19
4	AIR & NOISE ENVIRONMENT - Cost for Plantation	RG area	26.58	1.20
5	WATER ENVIRONMENT – Cost for Waste water treatment	Cost for sewage Treatment Plant	130.80	38.48
6	WATER ENVIRONMENT - Cost for water & waste water Monitoring	On site sensors	54.00	3.00
7	WATER ENVIRONMENT - Cost for water & waste water Monitoring	By outside MoEF & CC Approved Laboratory	No set up cost is involved	0.08
8	WATER ENVIRONMENT - Water Conservation (Cost for Rain Water Harvesting System & Monitoring)	Cost for RWH Tank	12.00	0.60

9	WATER ENVIRONMENT - Water Conservation (Cost for Rain Water Harvesting System & Monitoring)	Cost for treatment unit for rain water tanks	12.00	0.04
10	WATER ENVIRONMENT - Water Conservation (Cost for Rain Water Harvesting System & Monitoring)	By outside MoEF & CC Approved Laboratory	No set up cost is involved	0.18
11	LAND ENVIRONMENT – (Cost for Solid Waste Management)	Cost for Treatment of biodegradable garbage in OWC	18.00	10.86
12	LAND ENVIRONMENT – (Cost for Solid Waste Management)	Cost for Manure Monitoring	No set up cost is involved	0.24
13	ENERGY CONSERVATION - Use of renewable energy	Solar system	At Actual	At Actual

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	2 nos. of entry exit for Redevelopment 1 Entry of entry exits for sale

Parking details:	**Number and area of basement:**	Two Nos. of Basement
	Number and area of podia:	NA
	Total Parking area:	35562.00 Sq. mt.
	Area per car:	--
	Area per car:	--
	Number of 2-Wheelers as approved by competent authority:	109
	Number of 4-Wheelers as approved by competent authority:	1235
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	Min 9.0 mt. driveway
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Thane Creek Flamingo Sanctuary: Approx. 1.00 Km.
	Category as per schedule of EIA Notification sheet	8 (a) B2
	Court cases pending if any	Not Applicable
	Other Relevant Informations	--
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

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

PP informed that, the project under consideration is new redevelopment project. *PP further stated that, t*he total plot area of the project is 18272.71 Sq.mt having total construction area 1,33,784 Sq.mt (FSI – 44676.57Sq.mt + NON FSI- 89107.43 Sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Redevelopment: 2 Nos. Towers	--	--
Tower 1	2 Nos. Basements + Stilt + 36 floors	111.00
Tower 2	2 Nos. Basements + Stilt + 33 floors	102.00
Sale: 2 Nos. of Tower	--	--
Tower 1	2 Nos. Basements + Stilt + 33 floors	107.00
Tower 2	2 Nos. Basements + Stilt + 33floor	107.00
Club House	Ground + 1 Floor	--

It is noted that the project earlier considered in 120th (Day-2) Meeting held on 15-11-2019 & deferred with observations namely- 1) to revise the same online also. 2) to provide the required RG as per norms & submit the revised detail RG calculations. 3) to explore measures to use maximum treated waste water to reduce disposal to 30%-35%. 4) As agreed by PP, demolition waste, and concrete debris can be recycled for making paver blocks and use these to the extent possible in the project itself. 5) The quantities of wood, glass etc. mentioned in the demolition waste management plan are prima facie impractical and incorrect. The PP to recheck these and resubmit correct debris management plan. 6) to upload tree NoC. 7) To submit the copy of CFO NoC. 8) to submit the revise fire tender movement plan and also to ensure that, the fire tender movement should be from all around the building. Accordingly, PP submitted the compliance which was taken on record.

The project proposal was discussed on the basis of presentation made and documents submitted by the proponent. All issues related to environment, including air, water, land, soil, ecology and biodiversity and social aspects were discussed. Committee noted that the project is under 8a (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, PP has circulated the revised CS,PP to revise the same online also.
2) The building configuration mentioned in the EC application and building configuration submitted in local body vide letter dated 28/12/2019 is different, PP to submit the revise letter to local planning authority i.e NMMC.
3) Committee noted that around 42% waste water is proposed to be disposed off in the sewer. PP to explore measures to use maximum treated waste water to reduce disposal to 35%.
4) As agreed by PP, demolition waste, and concrete debris can be recycled for making paver blocks and use these to the extent possible in the project itself.
5) PP to submit the undertaking regarding 3 buildings- Utkarsh,Gulmohar & Ashirwad co-operative housing societies are considered under this redevelopment project & tree authority NoC received for all 3 building individually. PP to follow the conditions laid down in tree NoC.
6) PP to obtain CFO NoC & also to upload the provisional CFO NoC.
7) PP to abide by all conditions laid down in CFO NoC, HRC NoC as & when received.
8) The PP to get NOC from competent authority with reference to Thane creek flamingo sanctuary if the project site falls within 10 Km radius from the said sanctuary boundary. The planning authority to ensure fulfilment of this condition before granting CC.
9) PP to submit CER prescribed by MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project. The specific activities to be undertaken under CER to be carried out in consultation with Municipal Corporation or collector or Environment Department.

FINAL RECOMMENDATION

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

Agenda of 126th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 126 **Meeting Date** January 7, 2020

Subject: Environment Clearance for Environmental Clearance for MIG V - Proposed Amendment and Expansion of Residential Redevelopment Project at plot bearing C.T.S. no. 629(pt) of village Bandra, Bandra East, Mumbai, Maharashtra by M/s. Kalpataru Properties Pvt. Ltd.

Is a Violation Case: No

1.Name of Project	MIG V - Proposed Amendment and Expansion of Residential Redevelopment Project
2.Type of institution	Private
3.Name of Project Proponent	M/s. Kalpataru Properties Pvt. Ltd.
4.Name of Consultant	M/s.Enviro Analysts & Engineers Pvt. Ltd.
5.Type of project	MHADA
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	Previous EC received ,vide letter no. SEIAA-EC-0000000379 dated 7th August 18
8.Location of the project	plot bearing C.T.S. no. 629(pt) of village Bandra, Bandra East, Mumbai, Maharashtra
9.Taluka	Kurla
10.Village	Bandra
Correspondence Name:	Ms. Preeti Kataria
Room Number:	101
Floor:	10th Floor
Building Name:	Kalpataru Synergy
Road/Street Name:	Opp. Grand Hyatt
Locality:	Santacruz (E)
City:	Mumbai
11.Whether in Corporation / Municipal / other area	Municipal Corporation of Greater Mumbai (MCGM)
12.IOD/IOA/Concession/Plan Approval Number	CHE/WS/1172/H/337new
	IOD/IOA/Concession/Plan Approval Number: CHE/WS/1172/H/337new
	Approved Built-up Area: 80065.652
13.Note on the initiated work (If applicable)	Excavation work has been started as per the previous EC received dtd 22.03.2016
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	MHADA NOC obtained vide no. CO/MB/REF/NOC/F-984/1031/2018 dated 25 June 18
15.Total Plot Area (sq. m.)	9,053.87 sq.m
16.Deductions	1594.59 sq.m
17.Net Plot area	7,459.28 sq.m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 48,762.621
	b) Non FSI area (sq. m.): 40,609.265
	c) Total BUA area (sq. m.): 89371.886
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 46805.101
	Approved Non FSI area (sq. m.): 39395.409
	Date of Approval: 31-08-2018
19.Total ground coverage (m2)	3370.12
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	45.18%
21.Estimated cost of the project	4014600000.00

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Wing A	3 Basements + Stilt + 30 Flrs	94.825
2	Wing B	3 Basements + Stilt + 30 Flrs	94.825
3	Wing C	3 Basements + Stilt + 25 Flrs	79.70
4	Club house	Gr + 1 floor	7.7
5	Parking Tower	35 parking levels	69.95

23.Number of tenants and shops	360 nos.
24.Number of expected residents / users	1800 nos.
25.Tenant density per hectare	535
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	24.40m wide road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Minimum 9 m
29.Existing structure (s) if any	Nil
30.Details of the demolition with disposal (If applicable)	Not applicable

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	MCGM/Recycled water
	Fresh water (CMD):	173
	Recycled water - Flushing (CMD):	84
	Recycled water - Gardening (CMD):	14
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	271
	Fire fighting - Underground water tank(CMD):	550
	Fire fighting - Overhead water tank(CMD):	-
	Excess treated water	102
Wet season:	**Source of water**	MCGM /RWH/ STP Treated water
	Fresh water (CMD):	173
	Recycled water - Flushing (CMD):	84
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	257
	Fire fighting - Underground water tank(CMD):	550
	Fire fighting - Overhead water tank(CMD):	-
	Excess treated water	116
Details of Swimming pool (If any)	Swimming pool make up water requirement is 5 KL.	

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:**	3.00 m
	Size and no of RWH tank(s) and Quantity:	Rain water harvesting tank of cumulative capacity of 140 KLD
	Location of the RWH tank(s):	Below ground level
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Rs. 17.0 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 0.30 Lakhs/year
	Details of UGT tanks if any :	-
35.Storm water drainage	**Natural water drainage pattern:**	Existing SWD as its redevelopment project
	Quantity of storm water:	0.174 m3/sec
	Size of SWD:	Average width - 450 mm, Average depth - 450 mm
Sewage and Waste water	**Sewage generation in KLD:**	222 KLD
	STP technology:	Attached growth process
	Capacity of STP (CMD):	235KLD
	Location & area of the STP:	Below ground level
	Budgetary allocation (Capital cost):	Rs. 42 Lakhs
	Budgetary allocation (O & M cost):	Rs. 6.60 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:**	364 kg/day
	Wet waste:	446 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	22 kg/day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Will be handed over to Local vendors for recycling
	Wet waste:	The wet waste shall be processed in OWC and converted to manure..
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	to be used as manure
	Others if any:	NA
Area requirement:	**Location(s):**	ground floor
	Area for the storage of waste & other material:	58.55 sqm (incluing storage &, machinery place etc.)
	Area for machinery:	as mentioned above
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 8.50 Lakhs
	O & M cost:	Rs. 2.10 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 :**	2,672.50 sq.m
	No of trees to be cut :	39
	Number of trees to be planted :	101
	List of proposed native trees :	-
	Timeline for completion of plantation :	At the end of construction phase

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

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

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

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

47.Energy

Power requirement:	**Source of power supply :**	Reliance
	During Construction Phase: (Demand Load)	145 KW (Estimated)
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	7771 KW
	During Operation phase (Demand load):	2111 KW
	Transformer:	A per requirement of electricity supply authorities
	DG set as Power back-up during operation phase:	750 KVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

• Energy efficient LED, T5 tube light which give more light output for the same watts consumed and therefore require less nos. of fixtures
• Equipment efficiency standard power factor will be maintained between 0.95 and unity for major equipment like Lift, STP etc. This will reduce electrical power distribution losses in the installation.
• Timer based lighting for parking areas.
• Motion Sensor and timers in staircases.
• Use of VFD drives in lifts.
• Maximum use of natural ventilation and light.
• Recommending the benefits of adopting BEE 5 star rated electrical appliances to the customers to increase energy savings.

49.Detail calculations & % of saving:

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

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 11.00 Lakh
	O & M cost:	Rs. 0.20 Lakh/Year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air	Water Sprinkling	1.55
2	Environmental Monitoring	Environmental Monitoring	1.50
3	EHS	Health Checkup	0.60
4	EHS	Site Sanitation	1.00
5	EHS	Disinfection	0.60

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Water Environment	RWH	17.00	0.30
2	Solid waste management	OWC	8.50	2.10
3	Water Environment	STP	42.00	6.60
4	Environmental Monitoring	Environmental Monitoring	-	1.50
5	Land Environment	Landscaping	43.00	5.0
6	Energy Conservation	Energy savings	11.00	0.20

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 24.40 m wide DP road.
Parking details:	**Number and area of basement:**	3 nos. of basement, area - 18,972.37 sq. mt.
	Number and area of podia:	Parking at stilt and a parking tower
	Total Parking area:	15,829.248 sq. mt.
	Area per car:	20.037 sq. mt.
	Area per car:	20.037 sq. mt.
	Number of 2-Wheelers as approved by competent authority:	144
	Number of 4-Wheelers as approved by competent authority:	868
	Public Transport:	NA
	Width of all Internal roads (m):	6.00 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park (9.42 m)
	Category as per schedule of EIA Notification sheet	8 (a), Category B
	Court cases pending if any	NA
	Other Relevant Informations	-

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

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

PP was absent; hence the project is deferred.

DECISION OF SEAC

PP was absent; hence the project is deferred.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

Agenda of 126th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 126 **Meeting Date** January 7, 2020

Subject: Environment Clearance for "PURANIK MEGATOWNS" at village Pimploli and Talwade, Tal - Karjat, Dist - Raigad, State - Maharashtra (SEIAA)

Is a Violation Case: No

1.Name of Project	"PURANIK MEGATOWNS" at village Pimploli and Talwade, Tal - Karjat, Dist - Raigad, State - Maharashtra
2.Type of institution	Private
3.Name of Project Proponent	M/s Puranik Builders Ltd
4.Name of Consultant	M/s. Enviro Analysts and Engineers Private Limited
5.Type of project	Residential Project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	On land bearing S.No. 58, 60/7B, 64/7, 134/1, 2,3,4,5 at village Pimploli, Tal. Karjat, Dist-Raigad, State - Maharashtra Tal. Karjat, Dist- Raigad, State -Maharashtra
9.Taluka	Karjat
10.Village	Pimploli and Talwade
Correspondence Name:	Ameeta Ambekar
Room Number:	-
Floor:	-
Building Name:	Puraniks One,Kanchan Pushp
Road/Street Name:	Ghodbunder Road
Locality:	Kavesar
City:	Thane West - 400615
11.Whether in Corporation / Municipal / other area	Town Planning Authority, Alibaug (Said plot comes under free zone)
12.IOD/IOA/Concession/Plan Approval Number	NA permission received dated. 12th February 2018
	IOD/IOA/Concession/Plan Approval Number: NA permission received dated. 12th February 2018
	Approved Built-up Area: 349111.15
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Received Letter of Intent from the Town Planning and Valuation Dept., Raigad- Alibag dated 15.07.2015, NA approval dated 12/2/2018
15.Total Plot Area (sq. m.)	435060.00 sq.mt.
16.Deductions	157065.28 Sq. mt.
17.Net Plot area	277994.72 sq.mt.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 322505.94
	b) Non FSI area (sq. m.): 26605.21
	c) Total BUA area (sq. m.): 349111.15
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 322505.94
	Approved Non FSI area (sq. m.): 26605.21
	Date of Approval: 12-02-2018
19.Total ground coverage (m2)	46059.91 sq.mt.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	16.56%
21.Estimated cost of the project	6458600000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Phase 1-26 No. of residential buildings	G + 4/ 7	14.95/ 23.65
2	Phase 2-24 No. of residential buildings	G + 4/ 7	14.95/ 23.65
3	Phase 3 -29 No. of residential buildings	G + 4/ 7	14.95/ 23.65
4	Phase 4-12 No. of residential buildings	G + 4/ 7	14.95/ 23.65
5	Phase 5-29 No. of residential buildings	G + 4/ 7	14.95/ 23.65
6	Phase 6-13 No. of residential buildings	G + 4/ 7	14.95/ 23.65
7	Phase 7-Sample flat & site office	G + 4/ 7	14.95/ 23.65
8	Total-135	-	-

23.Number of tenants and shops	Residential -7,385 nos Shops- 291 nos Total- 7,676
24.Number of expected residents / users	Residential – 36,925 nos Shops-582 nos Total – 37,507 nos
25.Tenant density per hectare	176 per hector
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	30.00 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	9.00 m to 18.00 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**	Irrigation department, Karjat Division/STP
	Fresh water (CMD):	3335 KLD
	Recycled water - Flushing (CMD):	1676 KLD
	Recycled water - Gardening (CMD):	211 KLD
	Swimming pool make up (Cum):	7 KLD
	Total Water Requirement (CMD) :	5222 KLD
	Fire fighting - Underground water tank(CMD):	NA
	Fire fighting - Overhead water tank(CMD):	25 cum per building
	Excess treated water	2022 KLD
Wet season:	**Source of water**	Irrigation department, Karjat Division/RWH /STP
	Fresh water (CMD):	3335 KLD
	Recycled water - Flushing (CMD):	1676 KLD
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	7 KLD
	Total Water Requirement (CMD) :	5011 KLD
	Fire fighting - Underground water tank(CMD):	NA
	Fire fighting - Overhead water tank(CMD):	25 cum per building
	Excess treated water	2233 KLD
Details of Swimming pool (If any)	Swimming pool volume - 457.25 m3	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	3.0 m. to 8.0 m. below ground level
	Size and no of RWH tank(s) and Quantity:	26 RWH tanks of total capacity 1067 KLD
	Location of the RWH tank(s):	Ground level
	Quantity of recharge pits:	331 nos.
	Size of recharge pits :	--
	Budgetary allocation (Capital cost) :	Rs. 84 Lacs
	Budgetary allocation (O & M cost) :	Rs. 8 Lacs/annum
	Details of UGT tanks if any :	Location(s) of the UGT tank(s): Ground level
35.Storm water drainage	**Natural water drainage pattern:**	Project site is gradually slopping from North-East to South-West.
	Quantity of storm water:	12.974 m3/sec
	Size of SWD:	15.741 m3/sec
Sewage and Waste water	**Sewage generation in KLD:**	4344 KLD
	STP technology:	MBBR (Moving Bed Bio Reactor) followed by Phytorid technology
	Capacity of STP (CMD):	22 STPs of total capacity 4460 KLD
	Location & area of the STP:	Ground level
	Budgetary allocation (Capital cost):	Rs. 690 Lacs (STP, Phytorid technology)
	Budgetary allocation (O & M cost):	Rs. 200 Lacs/annum (STP, Phytorid technology)
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	The excavated earth shall be reused on site only for levelling.
	Disposal of the construction waste debris:	Construction waste shall be partly reused on the site and partly will be disposed to the authorized landfill site
Waste generation in the operation Phase:	**Dry waste:**	7486 Kg/day
	Wet waste:	11121 Kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	170 Kg/day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	To recyclers for further disposal
	Wet waste:	Biomethanation Plant
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as manure
	Others if any:	NA
Area requirement:	**Location(s):**	Ground Level
	Area for the storage of waste & other material:	Area for Biomethanation Plant - 1334 Sq. mt.
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 250.00 Lacs
	O & M cost:	Rs. 54.00 Lacs

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	42,135.2 Sq. mt.
	No of trees to be cut :	Trees to be Cut: 3 Nos.
	Number of trees to be planted :	5455 Nos.
	List of proposed native trees :	Given in list of proposed plantation on ground
	Timeline for completion of plantation :	Before occupation

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Michelia Champaca	Sonchafa	250	Medium sized evergreen tree, strongly fragrant yellow flowers used in perfume industry, Butterfly host plant
2	Plumeria alba	Champa	750	Evergreen shrub has narrow elongated leaves, large and strongly perfumed white flowers with a yellow center, Planted as an ornamental plant Heart of the wood is part of a traditional medical preparation taken as a vermifuge or as a laxative.
3	Coconucifera	Coconut	200	Fruit is used in different ways in all Indian & International recipes while cooking. Its Fiber is used for coir production. Broom is made from its leaves. Its fruit water is widely used especially by patients.
4	Bauhinia racemosa	Apta	600	Small tree with small white flowers, leaves are used to make bidis, Butterfly host plant
5	Bauhinia purpurea	Rakta chandan	780	Ornamental tree. The Purple Orchid Tree is an exotic tropical tree that blooms over a long period of time.
6	Casia fistula	Golden shower tree	400	Is widely grown as an ornamental plant. Growth for this tree is best in full sun on well-drained soil; it is relatively drought tolerant and slightly salt tolerant. It attracts bees and butterflies for pollination.
7	Pisidium guajava	Guava	100	Guava is a shrubby evergreen tree up to 10 meters in height, with smooth reddish brown bark that is thin and scales off in thin sheets. The fruits are unusually rich in vitamin C. The outer layer of the fruit is preserved and canned commercially, as is the juice.
8	Annona squamosa	Sitaphal	75	Is a small, well-branched tree or shrub It is a host plant for larvae of the butterfly Graphium agamemnon Its fruit is edible

9	Lagerstroemia speciosa	Tamhan	30	State flower tree of Maharashtra Medium sized tree, beautiful purple flowers, it has medicinal properties, wood is commercially used. Helps to control soil erosion
10	Artocarpus heterophyllus	Phanas	60	The jackfruit tree is widely cultivated and popular food item in tropical regions of India Attracts birds for breeding and nestling. Jackfruit are known for having a distinct aroma. The flesh of the jackfruit is starchy and fibrous and is a source of dietary fiber. The seeds from ripe fruits are edible, are said to have a milky, sweet taste, and may be boiled, baked or roasted. The wood of the tree is used for the production of musical instruments. Jackfruit wood is widely used in the manufactur
11	Mangifera indica	Mango	100	It is large evergreen and shady tree. Its uses are clearing digestion and acidity due to pitta (heat). Medicinal properties are attributed to different parts of mango tree.
12	Manilkara zapota	Chikoo	100	Is a long-lived, evergreen tree native It is wind-resistant and the bark is rich in a white, gummy latex called chicle. Fruit is edible & used in milkshakes
13	Moringa oleifera	Drumstick tree	65	It is a fast growing, evergreen, deciduous tree. The bark has a whitish-grey color and is surrounded by thick cork. It grows best in dry sandy soil and tolerates poor soil, including coastal areas. Its fruits are edible and used in very recipes of India.
14	Pongamia pinnata	Karanj	55	It has large canopy which spreads equally wide, It has potential to grow in salt water soil, drought-tolerant.
15	Azadirachta indica	Neem	100	Large tree, fast-growing evergreen tree, drought resistance, Medicinal properties, good for roadside plantation
16	Syzygium cumini	Jamun	30	It is an evergreen tropical tree in the flowering plant. A slow growing species, it can reach heights of up to 30 m and can live more than 100 years. Its dense foliage provides shade and is grown just for its ornamental value. Its wood is commercially used. & also posses medicinal properties. Its fruits are edible and possess medicinal properties. The seeds are used in tisanes for diabetes

17	Polyalthia longifolia	False Ashoka	500	It is a lofty evergreen tree. It is commonly planted due to its effectiveness in alleviating noise pollution. The leaves are larval food plant of the kite swallowtails. The leaves are use for ornamental decoration and are used in festivals.
18	Terminalia catappa	Badam	100	It's large tropical tree in the leadwood tree. The seed within the fruit is edible when fully ripe As the tree gets older, its crown becomes more flattened to form a spreading, vase shape Its leaves are known for medicinal properties. Shady tree
19	Bauhinia acuminata	Safed Kachanr	500	Ornamental tree. It will grow no more than two or three meters, and won't take up much space or get in anyone's way. It really is quite inoffensive. Beautiful white flowers cover this tree in spring and fill the air with a sweet clean fragrance
20	Anthocephalis cadamba	Kadamb	30	It is a quick growing , large traffic like spreading branches, its fragment orange flowers attracts pollinators, it helps in improving physical and chemical properties of soil, Shady, large tree, ball shaped flowers. It acquires profitable medicinal and commercial properties.
21	Delonix regia	Gulmohar	75	Grown as an ornamental tree,Shady trees, orange-red petals attracts birds and petals. It is planted as an ornamental tree.
22	Peltophorum pterocarpum	Copper pod	85	It is planted as ornamental plant. The wood can also be used for fuel. The bark produces yellow-brown dye. The bark (sold as Kayu Timor in Java) from which extracts are taken are believed to be effective in curing dysentery (used internally) and relieving ulcers, muscular pain and sprains. The extracts can also be used as an eye lotion, gargle and even tooth powder.
23	Areca catechu	Betel palm	400	It is a medium-sized and palm tree, The seed contains alkaloids such as arecaidine and arecoline, which, Used as an interior landscaping species, Nuts are used for chewing.
24	Annona reticulata	Ramphal	70	small deciduous or semi-evergreen tree. Fruit bearing tree also having medicinal uses.
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 :**	Maharashtra State Electricity Distribution Company Limited (MSEDCL)
	During Construction Phase: (Demand Load)	As per requirement
	DG set as Power back-up during construction phase	As per requirement
	During Operation phase (Connected load):	29.22 mW
	During Operation phase (Demand load):	19.05 mW
	Transformer:	5 X 990 KVA, 6 X 990 KVA, 5 X 990 KVA, 4 X 990 KVA, 5 X 990 KVA, 5 X 990 KVA.
	DG set as Power back-up during operation phase:	5 X 180 KVA, 4 X 250 KVA, 4 X 200 KVA, 2 X 250 KVA, 4 X 200 KVA, 2 X 250 KVA.
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Use of solar water heater for each building
Use of 150 W solar lights for external area lighting
Use of 250 W street lights based on Biogas generation
Use of bulkhead light for building external lighting
Use of tube light for building staircase and lobby lighting
Use of tube light for school, community hall and stilt parking

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Use of solar water heater for each building ? Use of 150 W solar lights for external area lighting ? Use of 250 W street lights based on Biogas generation ? Use of bulkhead light for building external lighting ? Use of tube light for building staircase and lobby lighting ? Use of tube light for school, community hall and stilt parking. Energy Saving -	24%
2	Provision of renewable energy sources: Solar water heating system 150W solar lights for external area 250W Lights for street area based on Biogas Generator Energy saving due to renewable energy :	23%

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. 1933.41 Lacs (Solar and Biogas)
	O & M cost:	Rs. 97.34 Lacs/annum (Solar and Biogas)

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Dust Suppression	25.92
2	Air Environment	Air & Noise monitoring - On site sensors	10.00
3	Air Environment	Air & Noise monitoring - By outside MOEF Approved Laboratory	12.10
4	Water Environment	Drinking water analysis	1.98
5	Land Environment	Site Sanitation	11.15
6	Health & Hygiene	Disinfection at site	10.80
7	Health & Hygiene	Health Check up of workers	81.00
8	Cost towards Disaster management	---	104.36

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air Environment & Biological Environment	Cost for Gardening	270.62	3.60
2	Air Environment & Biological Environment	Cost for Ambient air & Noise Monitoring	No set up cost is involved	1.10
3	Air Environment & Biological Environment	Cost for DG Stack Exhaust Monitoring	No set up cost is involved	0.48
4	Water Environment - Waste water treatment	Cost for STPs	1031.25	325.41
5	Water Environment - Waste water treatment	Cost for Phytorid technology	38.00	4.93
6	Water Environment - Waste water treatment	Cost for pond & pipeline from STP to holding pond	134.52	At actual
7	Water Environment - Waste water treatment	Cost for pipeline from pond to reserved forest	45.00	At actual
8	Water Environment - Water Conservation (Rain Water Harvesting System)	Cost for Water ,Waste water and Rainwater Monitoring alongwith manpower cost	14.00	42.48
9	Water Environment - Water Conservation (Rain Water Harvesting System)	Cost for RWH tanks	208.70	10.44

10	Water Environment - Water Conservation (Rain Water Harvesting System)	Cost for treatment unit for rain water tanks	63.00	0.21
11	Land Environment (Solid Waste Management)	Cost for Treatment of biodegradable garbage Biomethanation Plant	250.00	54.00
12	Energy Conservation	Solar system	1914.66	95.74
13	Energy Conservation	Cost for Biogenset	18.75	1.60
14	Cost towards Disaster management	--	1230.00	160.00

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:	30.00 m. wide D.P. Road
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	26,089.10 sqm
	Area per car:	Open parking - 23 sq.mt, Stilt parking - 28 sq.mt.
	Area per car:	Open parking - 23 sq.mt, Stilt parking - 28 sq.mt.
	Number of 2-Wheelers as approved by competent authority:	Scooters – 9408 nos, Cycles-9408 nos.
	Number of 4-Wheelers as approved by competent authority:	55 nos
	Public Transport:	NA
	Width of all Internal roads (m):	9.0 mt. to 18.0 mt.
	CRZ/ RRZ clearance obtain, if any:	NA

	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Matheran Hill: 6 km
	Category as per schedule of EIA Notification sheet	Category 8b (B1)
	Court cases pending if any	No
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

PP was absent; hence the project is deferred.

DECISION OF SEAC

PP was absent; hence the project is deferred.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

Agenda of 126th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 126 **Meeting Date** January 7, 2020

Subject: Environment Clearance for Expansion in EC for Residential Development Project at Malvani, Malad (W), Mumbai

Is a Violation Case: No

1.Name of Project	Residential Development Project at Malvani, Malad (W), Mumbai
2.Type of institution	Private
3.Name of Project Proponent	M/s. Rikki Ronie Developers Mr. Deven P.Shah (Partner)
4.Name of Consultant	M/s. Ultra-Tech
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in Environment Clearance
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	The project has received Environmental Clearance dt. 25th March 2014 and amendment in Environmental Clearance dt. 07th January 2019
8.Location of the project	C.T.S. No. 6A/16, Jankalyan nagar, near Billa Bong School, Malvani, Malad (W), Mumbai - 400 095
9.Taluka	Malad
10.Village	Malvani
Correspondence Name:	M/s. Rikki Ronie Developers
Room Number:	--
Floor:	6th floor
Building Name:	Shah Trade Centre
Road/Street Name:	Rani Sati Marg
Locality:	Near Western Express Highway, Malad (E)
City:	Mumbai
11.Whether in Corporation / Municipal / other area	Municipal Corporation of Greater Mumbai (M.C.G.M.)
12.IOD/IOA/Concession/Plan Approval Number	Sale Building 1: • Received IOA No.CHE/A0432/BP/WS/AP on dt. 13.8.13 & last amended IOA No. CHE/A0432/BP/WS/AP on dt. 24.4.19 • Received OC No. CHE/A0432/BP/WS/AP on dt. 26.4.19.for Wing A to D PH Building 2: • Received IOA No. CHE/A-0433/BP/WS/AP on 13.8.13 and last amended IOA on dt. 20.5.19 • Received OC No. CHE/A-0433/BP/WS/AP on dt. 29.06.17
	IOD/IOA/Concession/Plan Approval Number: • Sale Building: IOA No. CHE/A-0432/BP/WS/AP • Public Housing Building: IOA No. CHE/A-0433/BP/WS/AP
	Approved Built-up Area: 31183.18
13.Note on the initiated work (If applicable)	Total constructed work on site till date (FSI + Non FSI): 47148.76 Sq. mt.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	16,395.90 Sq. mt.
16.Deductions	1470.00 Sq. mt.
17.Net Plot area	14,925.90 Sq. mt.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 52316.43 Sq. mt.
	b) Non FSI area (sq. m.): 78016.43 Sq. mt
	c) Total BUA area (sq. m.): 130332.86
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 31183.18 Sq. mt.
	Approved Non FSI area (sq. m.): 52580.38 Sq. mt.
	Date of Approval: 20-05-2019
19.Total ground coverage (m2)	9117.36 Sq. mt.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	61.1 %

21.Estimated cost of the project	4590900000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Sale Building	--	--
2	Wing A to D	Ground (Stilt) + Podium + 21 floors	69.45 mt.
3	Wing E & F	Stilt + 7 podium + E deck + 2 service floor + 41 upper floors	162.35 mt.
4	Public Housing Building	--	--
5	Wing A & B	Ground (Stilt) + 1st to 15th floors	47.85 mt.
6	Wing C	Stilt + 23 floors	69.95 mt.

23.Number of tenants and shops	Sale Building: 800 nos. PH Building: 268 nos. Total: 1068 nos.
24.Number of expected residents / users	Sale Building: 4000 nos. PH Building: 1248 nos. Total: 5248 nos.
25.Tenant density per hectare	716/ hector
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	18.30 mt. wide D.P. Road and 12.00 mt. wide Existing layout road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Minimum 6.00 mt.
29.Existing structure (s) if any	Construction done on site as per EC received
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	M.C.G.M/ Tanker water for Swimming pool make up
	Fresh water (CMD):	472 KLD
	Recycled water - Flushing (CMD):	236 KLD
	Recycled water - Gardening (CMD):	20 KLD
	Swimming pool make up (Cum):	7 KLD
	Total Water Requirement (CMD) :	735 KLD
	Fire fighting - Underground water tank(CMD):	Sale Bldg: 600 KL PH Bldg: 250 KL
	Fire fighting - Overhead water tank(CMD):	Sale Bldg: 220 KL PH Bldg: 90 KL
	Excess treated water	297 KLD
Wet season:	**Source of water**	M.C.G.M/ Tanker water for Swimming pool make up/ Partly by RWH
	Fresh water (CMD):	472 KLD
	Recycled water - Flushing (CMD):	236 KLD
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	7 KLD
	Total Water Requirement (CMD) :	715 KLD
	Fire fighting - Underground water tank(CMD):	Sale Bldg: 600 KL PH Bldg: 250 KL
	Fire fighting - Overhead water tank(CMD):	Sale Bldg: 220 KL PH Bldg: 90 KL
	Excess treated water	317 KLD
Details of Swimming pool (If any)	Swimming pool volume: 493 m3 Swimming pool make up water requirement: 7 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**
Fresh water requirement	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	1.25 mt. to 1.80 mt. below ground surface
	Size and no of RWH tank(s) and Quantity:	Sale Building: Wing A to D: 1 RWH tank of 56 KL & Wing E & F: 1 RWH tank of 40 KL and PH Building: 1 RWH tank of 52 KL
	Location of the RWH tank(s):	Underground
	Quantity of recharge pits:	Nil
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Rs. 23.80 Lacs
	Budgetary allocation (O & M cost) :	Rs.0.91 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 into the external SWD.
	Quantity of storm water:	0.32 m3/sec
	Size of SWD:	450 mm wide drain with slope 1:350
Sewage and Waste water	**Sewage generation in KLD:**	Sale Building: Wing A to D: 192 KL ; Wing E & F: 276 KL and PH Building : 146 KL. Total - 614 KL
	STP technology:	Moving Bed Bio Reactor (MBBR)
	Capacity of STP (CMD):	Sale Building : Wing A to D: 216 KL & Wing E & F: 304 KL and PH Building : STP of capacity 174 KL
	Location & area of the STP:	Sale Building : Wing A to D: 71 Sq. mt. & Wing E & F: 240 Sq. mt. and PH Building : 71 Sq. mt. Location : Underground
	Budgetary allocation (Capital cost):	Rs. 157.38 Lacs
	Budgetary allocation (O & M cost):	Rs.47.84 Lacs/annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Excavated earth generated from Sale bldg. 1 (Wing A, B, C & D) & PH bldg. (Wing A & B) has been partly reused for back filling and partly has been disposed to Authorized Landfill site Excavated earth generated from proposed construction shall be partly reused on site and remaining shall be disposed of at designated location approved by M.C.G.M.
	Disposal of the construction waste debris:	Construction waste material shall be partly reused/ recycled and remaining shall be disposed to the authorized land fill site
Waste generation in the operation Phase:	**Dry waste:**	Sale Building: 858 kg/day and PH Building : 218 kg/day Total: 1076 kg/day
	Wet waste:	Sale Building : 942 kg/day and PH Building : 343 kg/day Total : 1285 kg/day
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	92 kg/day
	Others if any:	Not Applicable

Mode of Disposal of waste:	**Dry waste:**	To MCGM/ Authorized recycler
	Wet waste:	Treatment in OWC
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Use as manure
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	Ground level
	Area for the storage of waste & other material:	234 Sq. mt.
	Area for machinery:	36 Sq. mt.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 27 Lacs
	O & M cost:	Rs.6.14 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	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	HSD	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 :**	3752.68 Sq. mt.
	No of trees to be cut :	--
	Number of trees to be planted :	Plantation of 260 nos. of new trees out of which 114 nos. of trees are already planted on site
	List of proposed native trees :	As given below in “List of proposed plantation on ground”
	Timeline for completion of plantation :	114 nos. of trees are already planted on site and rest of trees shall be planted before occupancy

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	Satwin	20	• Flowering tree, Medium to large sized, bark also yields a fibre.
2	Legistromia flos regina	Tamhan	23	• Flowering tree, Medium sized, Indigenous tree
3	Azadiracta indica	Neem	23	• Large tree, fast-growing evergreen tree, drought resistance, Medicinal properties, good for roadside plantation
4	Anthocephalus kadamba	Kadamba	15	• Large tree, bark and leaves are used for medicinal purpose.
5	Putranjiva roxburghi	Putranjiva	12	• Moderate sized evergreen tree, A decoction of leaves and fruit is taken for the treatment of liver complaints, colds, fevers
6	Mimusops elengi	Bakul	11	• Shady medium-sized evergreen tree, small white fragrant flowers, Its timber is valuable, the fruit is edible, and it is used in traditional medicine
7	Cassia fistula	Bahava	20	• Is widely grown as an ornamental plant. • It attracts bees and butterflies for pollination.
8	Bombax ceiba	Kate Sawar	20	• Tall tree with large flower, Parts of the plant are used in cosmetics and herbal remedies.
9	Pongamia pinnata	Karanj	26	• Deciduous tree, roots and leaves are used for medicinal purpose.
10	Caryota urens	Fishtail Palm	20	• Solitary-trunked tall evergreen tree. • Pulp of the fully grown up plant is cut, sun dried, powdered and is edible. • Ornamental plant.
11	Saraca indica	Ashok	15	• It is commonly planted due to its effectiveness in alleviating noise pollution. • The leaves are larval food plant of the kite swallowtails. • The leaves are used for ornamental decoration and are used in festivals.
12	Muraya paniculata	Kunti	15	• Small tree, Fragrant white flowers, Butterfly host plant

13	Nyctanthes arbor tristis	Parijataka	25	• Small deciduous fast growing tree, beautiful flowers.
14	Bauhina racemosa	Apta	15	• 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 :**	TATA Power
	During Construction Phase: (Demand Load)	100 KW
	DG set as Power back-up during construction phase	As per requirement
	During Operation phase (Connected load):	11601 KW
	During Operation phase (Demand load):	3188 KW
	Transformer:	1 nos. 2500 KVA & 1 nos. 1600 KVA Transformer
	DG set as Power back-up during operation phase:	Sale: Wing A to D: 1 D.G. Set of capacity 125 kVA Wing E & F : 1 D.G. Set of capacity 1000 kVA and PH : Wing A to C : 1 D.G. Set of capacity 50 kVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Energy saving measures are as follows:
? Provision of solar system
? Provision of LED lights with timer control
? Use of all Motors with VFD control
? Provision of water pump motors with high efficiency motors with high low level sensors
? BEE Star rated AC unit

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Overall energy saving	13 %
2	Energy saving due to renewable energy	4 %

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
--	For 2 Wings of PH Building	--
Sewage	STP	STP

Solid waste	Organic Waste Convertor	Organic Waste Convertor

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 98 Lacs
	O & M cost:	Rs. 9.5 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	4.32
2	Air Environment	Air and Noise Monitoring: On site Sensors	1.32
3	Air Environment	Air and Noise Monitoring: By outside MoEF & CC Approved Laboratory	13.0
4	Water Environment	Drinking water analysis	0.18
5	Land Environment	Site Sanitation	5.00
6	Health & Hygiene	Disinfection- Pest Control	7.20
7	Health & Hygiene	Health Check-up of workers	16.20

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:	On site sensors	No set up cost is involved as already considered Construction Phase	0.50
2	AIR & NOISE ENVIRONMENT - Ambient Air quality & Noise Monitoring:	By outside MoEF & CC Approved Laboratory	No set up cost is involved	0.22
3	AIR & NOISE ENVIRONMENT - Cost for DG Stack Exhaust Monitoring	3 nos. of stacks	No set up cost is involved	0.14
4	AIR & NOISE ENVIRONMENT - Cost for Plantation	3752.68 Sq.mt. of RG area	20.64	2.40
5	WATER ENVIRONMENT - Waste water treatment	Cost for sewage Treatment Plants	157.38	36.89
6	WATER ENVIRONMENT - Cost for water & waste water Monitoring	By outside MoEF & CC Approved Laboratory	No set up cost is involved	10.95

7	WATER ENVIRONMENT - Water Conservation (Rain Water Harvesting System)	Cost for RWH tanks (3 tanks of total capacity 148 KL)	14.80	0.74
8	WATER ENVIRONMENT - Water Conservation (Rain Water Harvesting System)	Cost for treatment unit for Rain Water collected in tanks	9.00	0.03
9	WATER ENVIRONMENT - Water Conservation (Rain Water Harvesting System)	Cost for Rainwater Monitoring	No set up cost is involved	0.14
10	LAND ENVIRONMENT - Solid Waste Management	Cost for Treatment of biodegradable garbage in OWC	27.00	5.90
11	LAND ENVIRONMENT - Solid Waste Management	Cost for Manure Monitoring	No set up cost is involved	0.24
12	ENERGY CONSERVATION - Use of renewable energy	Solar panels	98.00	9.5

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:	Five Entry and Exit

Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	Sale Building : Wing A to D – 1 Podium ; Wing E & F – 7 Podium
	Total Parking area:	26111.39 Sq. mt.
	Area per car:	--
	Area per car:	--
	Number of 2-Wheelers as approved by competent authority:	--
	Number of 4-Wheelers as approved by competent authority:	Required: 879 Nos. Provision: 879 Nos.
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	Min. 6.00 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. 6.00 km
	Category as per schedule of EIA Notification sheet	8 (a) B2
	Court cases pending if any	--
	Other Relevant Informations	--
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

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

Brief information of the project by SEAC

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

PP informed that, the project under consideration is expansion in environment clearance housing project. PP further stated that, the total plot area of the project is 16,395.90 Sq.mt having total construction area 130332.86 Sq.mt (FSI - 52316.43 Sq.mt + NON FSI-78016.43 Sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Sale Building	--	--
Wing A to D	Ground (Stilt) + Podium + 21 floors	69.45 mt
Wing E & F	Stilt + 7 podium + E deck + 2 service floor + 41 upper floors	162.35 mt.
Public Housing Building	--	--
Wing A & B	Ground (Stilt) + 1st to 15th floors	47.85 mt.
Wing C	Stilt + 23 floors	69.95 mt.

It is noted that, Project has received Environmental clearance vide letter dated 07th January 2019.

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

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) PP to ensure that, the proposed paved RG should be of green pavers.
2) PP to explore the possibility to increase the solar energy saving from 4 % to 5%.
3) PP to abide by the all conditions laid in the CFO NoC dated 05/3/2019.
4) The PP to get NOC from competent authority with reference to Thane creek flamingo sanctuary if the project site falls within 10 Km radius from the said sanctuary boundary. The planning authority to ensure fulfilment of this condition before granting CC.
5) PP to submit CER considering the project as green filed after deducting the construction done before 1/5/2018, prescribed by MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project. The specific activities to be undertaken under CER to be carried out in consultation with Municipal Corporation or collector or Environment Department.

FINAL RECOMMENDATION

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

Agenda of 126th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 126 **Meeting Date** January 7, 2020

Subject: Environment Clearance for Proposed expansion by addition of IT Building No. 15, IT Building No. 16, Hotel, MLCP, Retail, Kiosk and other ancillary structures in existing IT Park on Plot No. 3, TTC Industrial Area, MIDC, Airoli, Navi Mumbai, Maharashtra

Is a Violation Case: No

1.Name of Project	Proposed expansion by addition of IT Building No. 15, IT Building No. 16, Hotel, MLCP, Retail, Kiosk and other ancillary structures in existing IT Park on Plot No. 3, TTC Industrial Area, MIDC, Airoli, Navi Mumbai, Maharashtra
2.Type of institution	Private
3.Name of Project Proponent	Mindspace Business Parks Private Limited
4.Name of Consultant	Aditya Environmental Services Pvt. Ltd.
5.Type of project	IT Park / Commercial
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in existing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes. Previous Environmental Clearance is received vide letter No. SEIAA-EC-0000001942 dated 9th August 2019 .
8.Location of the project	Plot No. 3, TTC Industrial Area, MIDC, Airoli, Navi Mumbai, Maharashtra
9.Taluka	Thane
10.Village	Airoli
Correspondence Name:	Mr. Pramod Mhamane
Room Number:	-
Floor:	6th floor
Building Name:	Raheja Tower
Road/Street Name:	-
Locality:	Plot No. C-30, G-Block, Bandra-Kurla Complex, Bandra (East)
City:	Mumbai
11.Whether in Corporation / Municipal / other area	MIDC
12.IOD/IOA/Concession/Plan Approval Number	MIDC approval for existing IT Park is granted vide letter dated 3rd June 2015. Approval for Hotel & MLCP buildings is granted vide letter dated 15th October 2018. Application for approval is submitted to MIDC on 18th March 2019 for Retail and Kiosk. Application for IT Building No. 15 is submitted to MIDC on 21st June 2019.
	IOD/IOA/Concession/Plan Approval Number: For existing IT Building No. 1 to 12 & 14: DE/MHP(C)I/3/IFMS/B-65206 dated 3rd June 2015, For proposed Hotel Building & MLCP: EE/SPA/IT-5/FMS/P45893/0518 dated 15th October 2018
	Approved Built-up Area: 512344.60
13.Note on the initiated work (If applicable)	Work of Building No. 1 to 12 & 14 is completed. Construction work for proposed expansion is yet to be initiated.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	202740.00
16.Deductions	3142.20
17.Net Plot area	199597.80
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 570748.39 sq. m. (after expansion)
	b) Non FSI area (sq. m.): 308586.93 sq. m. (after expansion)
	c) Total BUA area (sq. m.): 879335.32
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 367765.26
	Approved Non FSI area (sq. m.): 144579.34
	Date of Approval: 15-10-2018
19.Total ground coverage (m2)	125887.07

20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	62.1%
21.Estimated cost of the project	10130000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	IT Building No. 1 to 4 & 7 (existing)	Stilt + 3 Parking Floors + 8 Office Floors	44.90
2	IT Building No. 5 & 6 (existing)	Stilt + 2 Parking Floors + 8 Office Floors	42.00
3	IT Building No. 8 (existing)	Stilt + 7 Office Floors	32.05
4	IT Building No. 9, 10 & 11 (existing)	Stilt + 1 Covered Podium Parking + 8 Office Floors	40.85
5	IT Building No. 12 (existing)	Stilt + 1 Covered Podium Parking + 8 Office Floors	40.87
6	IT Building No. 14 (existing)	Stilt + Podium + 8 Office Floors	40.85
7	Clubhouse (existing)	Ground + 1	8.40
8	Control Room (existing)	Ground + 1	8.40
9	IT Building No. 15 (proposed)	Basement + Stilt + 7 Parking Floors + 15 Upper Floors	100.80
10	IT Building No. 16 (proposed)	Basement + Stilt + 9 Parking Floors + 15 Upper Floors	109.20
11	Retail (proposed)	Ground + 1	9.63
12	Kiosk (proposed)	Ground Floor	4.20
13	Hotel Building (proposed)	Basement + Ground + Service Floor + 17 Upper Floors	69.75
14	MLCP (proposed)	Basement + Ground + 7 Upper Floors	24.30

23.Number of tenants and shops	36 shops proposed in retail area
24.Number of expected residents / users	Existing: 70570, Proposed: 42592 (For IT Building No. 15 & 16: 39400, For Retail & Kiosk: 1744, For Hotel Building & MLCP: 1440)
25.Tenant density per hectare	Not applicable as it is an IT Park project.
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	The plot is abutting to existing 45.00 m wide Thane-Belapur Road.
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Minimum 9.00 m
29.Existing structure (s) if any	Existing IT Building No. 1 to 12 & 14

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**	Maharashtra Industrial Development Corporation (MIDC) for fresh water and STP treated water
	Fresh water (CMD):	2897
	Recycled water - Flushing (CMD):	2292
	Recycled water - Gardening (CMD):	166
	Swimming pool make up (Cum):	11
	Total Water Requirement (CMD) :	6852 (including HVAC water requirement)
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	20 (for each building)
	Excess treated water	0
Wet season:	**Source of water**	Maharashtra Industrial Development Corporation (MIDC) for fresh water and STP treated water
	Fresh water (CMD):	2897
	Recycled water - Flushing (CMD):	2292
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	11
	Total Water Requirement (CMD) :	6686 (including HVAC water requirement)
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	20 (for each building)
	Excess treated water	0
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	3176	2013	5189	635	403	1038	2541	1611	4151

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	3 m
	Size and no of RWH tank(s) and Quantity:	Existing: 13 nos. of RWH tanks of total capacity 1117 cum, For IT Building 15: 1 no. of RWH tank of capacity 120 cum, For IT Building 16: 1 no. of RWH tank of capacity 100 cum, For Hotel Building & MLCP: 1 no. of RWH tank of capacity 240 cum
	Location of the RWH tank(s):	Below ground level
	Quantity of recharge pits:	Existing: 13 nos. of recharge pits, For IT Building 15: 4 nos. of recharge pits, For IT Building 16: 4 nos. of recharge pits, For Hotel Building & MLCP: 6 nos. of recharge pits each for Hotel Building & MLCP
	Size of recharge pits :	Existing: 4 m X 4 m X 4 m (for each recharge pit), For IT Building 15: 12 m X 3.6 m X 3.8 m, For IT Building 16: 4 m X 4 m X 4 m (for each recharge pit), For Hotel Building & MLCP: 2 m X 2 m X 2.5 m (for each recharge pit)
	Budgetary allocation (Capital cost) :	Rs. 483.8 Lakh
	Budgetary allocation (O & M cost) :	Rs. 77.88 Lakh
	Details of UGT tanks if any :	To be provided at EIA stage
35.Storm water drainage	**Natural water drainage pattern:**	Natural drainage pattern will be maintained at site.
	Quantity of storm water:	1.72 cum/sec
	Size of SWD:	0.6 m x 0.6 m
Sewage and Waste water	**Sewage generation in KLD:**	4151 cmd
	STP technology:	MBBR technology for STPs installed / proposed for IT Buildings and SBR technology for STP proposed for Hotel Building & MLCP
	Capacity of STP (CMD):	Existing: 13 no. of STPs of total capacity 2885 cmd, For IT Building 15: 1 no. of STP of capacity 1000 cmd, For IT Building 16: 1 no. of STP of capacity 600 cmd, For Retail & Kiosks: 1 no. of STP of capacity 100 cmd, For Hotel Building & MLCP: 1 no. of STP of capacity 150 cmd
	Location & area of the STP:	Below ground level
	Budgetary allocation (Capital cost):	Rs. 1495 Lakh
	Budgetary allocation (O & M cost):	Rs. 157.75 Lakh/year

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Broken bricks, tiles, wooden pieces, empty cement bags, packaging materials, insulating plastic, metal pieces etc.
	Disposal of the construction waste debris:	The solid waste generated during construction will be properly segregated and sent to authorized recycler.
Waste generation in the operation Phase:	**Dry waste:**	13578 kg/ day (existing: 8468 kg/day + proposed: 5110 kg/day)
	Wet waste:	9052 kg/ day (existing: 5646 kg/day + proposed: 3407 kg/day)
	Hazardous waste:	Used / spent oil from DG set and transformer
	Biomedical waste (If applicable):	Nil
	STP Sludge (Dry sludge):	415 kg/day
	Others if any:	-
Mode of Disposal of waste:	**Dry waste:**	To be handed over to municipal authority for recycling
	Wet waste:	OWC is provided on site for treatment of wet waste.
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	To be used as manure
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	Lower Basement
	Area for the storage of waste & other material:	Included in machinery area
	Area for machinery:	Not applicable
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 112.2 Lakh
	O & M cost:	Rs. 23.02 Lakh/annum

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used / Spent Oil	5.1	kL/A	As & when generated	As & when generated	As & when generated	Sale to authorized waste recyclers

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	DG sets (details will be worked out at EIA stage)	HSD	Details will be worked out at EIA stage	As per CPCB standards	As per CPCB standards	As per CPCB standards

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 :**	21127.00 sq. m.
	No of trees to be cut :	145
	Number of trees to be planted :	725
	List of proposed native trees :	As per landscape plan
	Timeline for completion of plantation :	Already planted on site for existing development and till completion of construction for proposed expansion

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	As per landscape plan	As per landscape plan	As per landscape plan	As per landscape plan
45.Total quantity of plants on ground				

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

Serial Number	Name	C/C Distance	Area m2
1	As per landscape plan	As per landscape plan	As per landscape plan

47.Energy

Power requirement:	**Source of power supply :**	Mindspace Serene Electricity Distribution Licensee
	During Construction Phase: (Demand Load)	50 KW
	DG set as Power back-up during construction phase	100% power back-up
	During Operation phase (Connected load):	For existing IT Buildings: 31850 kVA, For proposed buildings under expansion: to be provided at EIA stage
	During Operation phase (Demand load):	For existing IT Buildings: 19250 kVA For proposed buildings under expansion: to be provided at EIA stage
	Transformer:	For existing: 24 x 2000 kVA & 2 x 1500 kVA provided already on site, For IT Building 15: 8 x 2000 kVA, For Hotel Building & MLCP: 2 x 1500 kVA, For IT Building 16, Retail and Kiosk: to be provided at EIA stage
	DG set as Power back-up during operation phase:	For existing: 30 x 1010 kVA, 6 x 1110 kVA, 4 x 2000 kVA, 3 x 1500 kVA of total capacity 49,460 kVA, 2 x 750 kVA stand by DG, For IT Building 15: 8 x 2000 kVA, For Hotel Building & MLCP: 2 x 1500 kVA, For IT Building 16, Retail and Kiosk: to be provided at EIA stage
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	Not Applicable

48.Energy saving by non-conventional method:

• Use of transformers with no load and on load Watt losses as per ECBC
• Use of high frequency, high power factor, electronic ballasts in place of conventional copper iron ballasts in light fixtures.
• Using energy efficient light fixtures with good photometric properties
• Using LEDs in external lighting bollard, in areas such as staircases, corridors and lift lobbies where lights burn on 24 hours basis.
• Using LED fixtures in basement, stilts and underground parking areas
• Putting external lighting control on time switch / time control
• Using time switch control / timer control for basement lighting
• Employing solar powered lighting for part of the external lighting fixtures
• Using high efficiency motors 'EF1' for pumps and ventilation fans
• Capacitors shall have a long life in excess of 1,50,000 hours with low losses in the range of 0.2 Watt/kVA
• External lighting: 30% of the lighting is proposed on solar. These are set of lighting which are placed at critical junctions and which would be lit round the night. Otherwise the other 70% lighting is on timer circuits to achieve the maximum savings.
• Energy conservation is based on ECBC code.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Overall energy savings	15-20%

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Wastewater	STP for existing IT Building 1 to 12 & 14	STP for IT Building 15, 16, Retail & Kiosk and Hotel Building & MLCP
Municipal Solid Waste	OWC for existing IT Building 1 to 12 & 14	OWC for IT Building 15, 16, Retail & Kiosk and Hotel Building & MLCP

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 1607.2 Lakh
	O & M cost:	Rs. 180.77 Lakh/annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Debris management	NA	110
2	Environment protection measures	NA	33
3	Health and safety of construction labours	NA	39

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	-	1495	157.75
2	Environmental monitoring	Monitoring of air, water, soil, wastewater, DG stack, noise etc. parameters	0	35
3	Solid waste management	Waste collection, storage and disposal	112.2	23.02
4	Rainwater Harvesting	-	483.8	77.88
5	Green belt development	Landscaping on plot area	500	45
6	-	-	-	-
7	-	-	-	-

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 site is directly connected to Thane-Belapur Road.

Parking details:	**Number and area of basement:**	Basement for IT Building No. 15, IT Building No. 16 and Hotel Building will be used for services. Area of basement for MLCP = 1521.52 sq. m.
	Number and area of podia:	NA
	Total Parking area:	252744.69 sq. m.
	Area per car:	24 sq. m. area per car park
	Area per car:	24 sq. m. area per car park
	Number of 2-Wheelers as approved by competent authority:	1100
	Number of 4-Wheelers as approved by competent authority:	10972
	Public Transport:	Not applicable
	Width of all Internal roads (m):	More than 6.0 m
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Approximately 2.2 km from the boundary of Thane Creek Flamingo Sanctuary on North-Eastern side
	Category as per schedule of EIA Notification sheet	8(b) Category B1
	Court cases pending if any	No. Not applicable
	Other Relevant Informations	Environmental Clearance for existing IT Park comprising of 13 IT & ITES buildings was granted on 23rd August 2007 and 9th August 2019 and the construction is completed. Now, expansion of existing IT park is proposed with proposed construction of IT Building No. 15, IT Building No. 16, Hotel, MLCP, Retail, Kiosk and other ancillary structures.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	07-09-2017

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

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

Brief information of the project by SEAC

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

PP informed that, the project under consideration is expansion in existing IT Park / Commercial. *PP further stated that, t*he total plot area of the project is 202740.00 Sq.mt having total construction area 879335.32 Sq.mt (FSI - 570748.39 Sq.mt + NON FSI- 308586.93 Sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
IT Building No. 1 to 4 & 7 (existing)	Stilt + 3 Parking Floors + 8 Office Floors	44.90
IT Building No. 5 & 6 (existing)	Stilt + 2 Parking Floors + 8 Office Floors	42.00
IT Building No. 8 (existing)	Stilt + 7 Office Floors	32.05
IT Building No. 9, 10 & 11 (existing)	Stilt + 1 Covered Podium Parking + 8 Office Floors	40.85
IT Building No. 12 (existing)	Stilt + 1 Covered Podium Parking + 8 Office Floors	40.87
IT Building No. 14 (existing)	Stilt + Podium + 8 Office Floors	40.85
Clubhouse (existing)	Ground + 1	8.40
Control Room (existing)	Ground + 1	8.40
IT Building No. 15 (proposed)	Basement + Stilt + 7 Parking Floors + 15 Upper Floors	100.80
IT Building No. 16 (proposed)	Basement + Stilt + 9 Parking Floors + 15 Upper Floors	109.20
Retail (proposed)	Ground + 1	9.63
Kiosk (proposed)	Ground Floor	4.20
Hotel Building (proposed)	Basement + Ground + Service Floor + 17 Upper Floors	69.75
MLCP (proposed)	Basement + Ground + 7 Upper Floors	24.30

It is noted that, Project has received Environmental clearance vide letter dated 23rd August 2007 & 9th August 2019 for total build up area 4,92,724.20 Sq.mt. PP stated that, Environmental Clearance for existing IT Park comprising of 13 IT & ITES buildings and the construction on site is completed as per EC and approved plans by MIDC. PP further stated that, now, as per revised policy of State Government for IT Park, the FSI is changed from 2.00 to 3.00, therefore, the expansion in the project has been proposed to utilize the increased FSI. Therefore, due to proposed expansion, gross construction area of the entire project becomes 8,79,335.32 sq. m. (including gross construction area of existing buildings i.e. 4,92,724.20 sq. m. for which EC is obtained).

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It is noted that the project earlier considered in 78th Meeting held on 17-11-2018 & deferred as there was violation on one building which is on the part of the plot under consideration, which got the EC as per EIA Notification dated 14/9/2006 in light of the Notification No 1030(E)/1031(E) dated 8th March, 2018 issued by the Ministry of Environment, Forest & Climate Change. Accordingly, PP submitted the compliance which was taken on record.

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

DECISION OF SEAC

After discussion, Committee approved the ToR with following observations & additions, which is valid upto 7/1/2021. EIA will be apprised as & when submitted. Meanwhile PP should comply following points.

Specific Conditions by SEAC:

1) PP to upload copy of approved plan for area under consideration.
2) PP to submit the six monthly compliance report submitted to Ro, Nagpur.
3) PP to submit dated Architect certificate addressing to committee regarding building wise construction (Configuration, FSI, NoN-FSI, TBUA) approved in earlier EC, approvals from local Authority, actual construction done on site as per earlier EC.
4) Committee noted that, the plot area on which IT building No 15 is proposed was earlier earmarked for parking in open space, PP to explain how they rearranging the parking & RG.
5) PP to ensure that the project should be zero liquid discharge (ZLD) & zero garbage discharge.
6) PP to ensure that, new proposed STP should be 40% open to sky for adequate ventilation.
7) PP to obtain the NoC from Petroleum and Explosives Safety Organisation (PESO) for DG set, if required.
8) PP to submit the sewerage network, water supply, storm water drain NOC from local planning authority i.e MIDC.
9) PP to increase the solar energy saving to 5%.
10) PP to submit the CFO NoC.
11) PP to submit the detail biodiversity chapter in EIA considering the eco-sensitivity of the site.
12) PP to submit the DP remarks.
13) PP to submit Contour and slope analysis super imposed with storm water drain, sewer line map in the project and 500 mtr around the project.
14) PP to submit & upload wind analysis, shadow analysis, traffic analysis, light and ventilation analysis and measures to reduce heat island effect.
15) PP to submit project specific DMP.
16) PP to also refer standard ToR published by MoEF vide order dated 10/04/15 in addition to above

FINAL RECOMMENDATION

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