Agenda of 98th Day-2 SEAC-2 meeting held on 3rd -4th May, 2019

SEAC Meeting number: 98th)Day-2_ **Meeting Date** May 4, 2019

Subject: Environment Clearance for Environment Clearance for Proposed construction of Residential Building No. 7& 10 On Plot Bearing C.T.S. NO. 514, 531(PT), 531/1 TO 14, 532A & 534 of Village Nahur, at L.B.S Road, Mulund (W), Mumbai in 'T' ward (E.S)

Is a Violation Case: No

1.Name of Project	Residential Project known as "Montana"
2.Type of institution	Private
3.Name of Project Proponent	M/s. Lohitka Properties LLP
4.Name of Consultant	AQURA Enviro Projects Pvt. Ltd.
5.Type of project	Township Project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Environment Clearance Obtained from Municipal Corporation of Greater Mumbai (MCGM) Environment Cell vide letter no. Dy. Ch. E/9113/BPES/Dated: 08/12/2017.
8.Location of the project	C.T.S. NO. 514, 531(PT), 531/1 TO 14, 532A (PT) & 534 of Village Nahur, at L.B.S Road, Mulund (W), Mumbai in 'T' ward (E.S).
9.Taluka	Kurla
10.Village	Nahur
Correspondence Name:	Suresh Shetake
Room Number:	--
Floor:	Ground Floor & 3rd Floor
Building Name:	Prius Infinity
Road/Street Name:	Subhash Road
Locality:	Vile Parle (East)
City:	Mumbai 400057
11.Area of the project	Municipal Corporation of Greater Mumbai (MCGM)
12.IOD/IOA/Concession/Plan Approval Number	1. Received IOD for Bldg 7 Wings A-B-C, 2. Concession approval for Bldg no. 7 Wings A, B, C and Bldg no.10 Wings A, B & C
	IOD/IOA/Concession/Plan Approval Number: 1. CHE/ES/2119/T/337(NEW) Bldg no 7,wing A, B, C IOD -01/09/2016 C.C -18/07/2018 – wing A and B – Podiums + 19 floors Wing C – Podiums top. 2. CHE/ES/2036/T/337(NEW) Bldg No.10 wing C IOD -15/02/2016 CC -15/10/2016 3. Concession approval for Bldg 7A,B,C and 10A,B,C, - 07/04/2018
	Approved Built-up Area: 115994.35
13.Note on the initiated work (If applicable)	Construction area on site: 20,000 .Sq. M. - Building Configuration: Bldg 7 A & B Stilt + 5+ E deck + 13 upper floors.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	59430.30 Sq. M. Land Area Under consideration – 27221.45 sq. m
16.Deductions	Set Back Area = 421 Sq. M. Encroachment Area = 1795.94 Sq. M. Total = 2216.94 Sq. M.
17.Net Plot area	57213.36 Sq. M.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 115994.35 Sq. M.
	b) Non FSI area (sq. m.): 131546.73 Sq. M.
	c) Total BUA area (sq. m.): 247541.08
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 115994.35
	Approved Non FSI area (sq. m.): 131546.73
	Date of Approval: 21-05-2018
19.Total ground coverage (m2)	13945.39
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	51 %

21.Estimated cost of the project	6364198484

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building No. 7: - Wing A, B & C	Stilt + 1st to 5th Podium + E Deck Floor + 1st to 43rd upper floors	Wing A & B - 162.85 – mt. Wing C – 171.45 mt.
2	Building No. 10: - Wing A, B& C	Stilt + 1st to 5th Podium + E Deck Floor + 1st to 43rd upper floors	Wing A & B – 162.85 mt. Wing C - 171.45 mt.

23.Number of tenants and shops	Building No. 7: - Wing A, B & C = 498 Building No. 10: - Wing A & B = 498 Total: 996 Flats
24.Number of expected residents / users	Building No. 7: - Wing A, B & C = 2490 Building No. 10: - Wing A & B = 2490 Residents: 4980 Nos. Building Staff: - 43 Drivers: - 996 Maids: - 996 Visitors: - 250 Total Populations: 7265 Nos.
25.Tenant density per hectare	--
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	18.30 m – Marathon Ave Road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.00 – 12.00 m turning radius
29.Existing structure (s) if any	No
30.Details of the demolition with disposal (If applicable)	Not applicable

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	MCGM
	Fresh water (CMD):	480
	Recycled water - Flushing (CMD):	257
	Recycled water - Gardening (CMD):	132
	Swimming pool make up (Cum):	842
	Total Water Requirement (CMD) :	738
	Fire fighting - Underground water tank(CMD):	600
	Fire fighting - Overhead water tank(CMD):	200
	Excess treated water	188
Wet season:	**Source of water**	MCGM
	Fresh water (CMD):	480
	Recycled water - Flushing (CMD):	257
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	842
	Total Water Requirement (CMD) :	653
	Fire fighting - Underground water tank(CMD):	600
	Fire fighting - Overhead water tank(CMD):	200
	Excess treated water	320
Details of Swimming pool (If any)	Main Pool Volume = 618.25 sq.mt x 1.2 m -741.90 Cum Capacity = 741.90 Cum Water Requirement = 740 Cum Make Water Requirement = 74 Cum Kids Pool Volume = 113.88 sq.mt x 0.9 m -102.49Cum Capacity = 102.49 Cum Water Requirement = 102 Cum Make Water Requirement = 10 Cum Filtration - Plant Location: Below Ground	

33.Details of Total water consumed

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

Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	2.5 meters below ground
	Size and no of RWH tank(s) and Quantity:	Size: Area: 58.83 Sq. m. Depth: 2.850 m., 2 RWH tank of 85 CMD each (Raw & treated Rain water tank) (2 days storage capacity)
	Location of the RWH tank(s):	Below Ground
	Quantity of recharge pits:	None
	Size of recharge pits :	Not Applicable
	Budgetary allocation (Capital cost) :	11.9 Lacs
	Budgetary allocation (O & M cost) :	1.2 Lacs/Year
	Details of UGT tanks if any :	Fire Fighting Tank: 600 CMD Domestic Water Tank: 480 CMD Flushing Water Tank:257 CMD Rain Water Harvesting Tank: 170 CMD
35.Storm water drainage	**Natural water drainage pattern:**	SWD by Gravity & connected to south side
	Quantity of storm water:	0.208 m3/Sec
	Size of SWD:	Ranging from 450 – 600 mm wide storm water drain Channel, Slope 1:300
Sewage and Waste water	**Sewage generation in KLD:**	642 KLD
	STP technology:	Moving Bed Bio-Reactor (MBBR) Technology
	Capacity of STP (CMD):	2 STPsof 325 KLD each; Total capacity: 650 KLD
	Location & area of the STP:	Below Ground, Area: 607 Sq. M.
	Budgetary allocation (Capital cost):	97.35 Lacs
	Budgetary allocation (O & M cost):	9.8. Lacs/year

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Debris & construction waste shall be generated. Recyclable waste will be generated like empty cement bags & cans, scrap metal etc.
	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. Disposal of construction waste will be as per “Construction and Demolition waste management Rules 2016.
Waste generation in the operation Phase:	**Dry waste:**	1347 Kg/Day
	Wet waste:	898 Kg/Day
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	65 Kg/Day
	Others if any:	None

Mode of Disposal of waste:	**Dry waste:**	Dry waste would be further segregated into recyclable and non-recyclable. Recyclable will be handed over to authorize vendors and non- recyclable will be disposed off at MCGM landfill sites.
	Wet waste:	Wet Garbage will be treated in Mechanical Composting Unit 'Organic Waste Convertor' (OWC) and the compost generated would be used as manure for gardening purpose and excess would be disposed off to landfill site of MCGM or would be sold to authorize vendors.
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Dry sludge would be used as manure for gardening purpose and excess would be disposed off to landfill site of MCGM or would be sold to authorize vendors
	Others if any:	None
Area requirement:	**Location(s):**	Ground Level
	Area for the storage of waste & other material:	135 Sq. M. (at 3 Locations)
	Area for machinery:	30 Sq. M. (10 Sq. M. at each location - 3 Locations)
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	30 Lakhs
	O & M cost:	20 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 :**	1. Total RG area:14783 Sq. m Ground: 6934.38 Sq. m Podium: 8118.00 Sq. m • Ground RG area – 4983.05 sq.mt • Paved RG area on ground – 1680.10 sq.mt • Open area on Ground ,other than RG -5619.60 SQ.MT • Podium RG area – 6852.51 sq.mt • Podium Paved RG – 1255.98 sq.mt • Podium open area other than RG - 1433.19 SQ.MT
	No of trees to be cut :	5 Nos.
	Number of trees to be planted :	362 tree on Ground + 371 shrubs on podium = 733; Trees to be cut on site: 5, Trees to be planted for cutting 5 trees: 15, Trees to be Transplanted: 30, Existing trees on Site: 112, Total Trees on site: 157.
	List of proposed native trees :	Shirish, Neem, Maharukh, Satwin, Karanj, Sita Ashok, Kadamb, Bahava, Bakul, Parijatak, Tamhan, Kunti, Apta, Pangara, Palas, Son chafa, Putranjiva, Fish Tail Palm.
	Timeline for completion of plantation :	After completion of construction work

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Albizialebbeck	Shirish	10	Shady tree, yellowish green fragrant flowers
2	Azadiracta indica	Neem	15	Large tree, good for roadside plantation
3	Ailanthus excelsa	Maharukh	10	Large tree, good for roadside plantation
4	Alstonia scholaris	Satwin	10	Shady Tree, white fragrant flowers
5	Pongamia pinnata	Karanj	10	Shady tree
6	Saraca asoka	Sita Ashok	10	Shady tree with red-yellow flowers.
7	Anthocephallus cadamba	Kadamb	10	Shady, large tree, ball shaped flowers.
8	Cassia fistula	Bahava	10	Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plant
9	Mimusopselengi	Bakul	10	Shady tree, small white fragrant flowers
10	Nyctanthesarbor-tristis	Parijatak	10	Small deciduous fast growing tree, beautiful flowrers.
11	Lagerstroemia flos-regineae	Tamhan	10	State flower tree of Maharashtra, Medium sized tree, beautiful purple flowers
12	Murrayapaniculata	Kunti	10	Small tree, Fragrant white flowers,Butterfly host plant
13	Bauhinia racemosa	Apta	10	Small tree with small white flowers, Butterfly host plant
14	Erythrina indica	Pangara	10	Medium sized deciduous tree. Bright scarlet flowers

15	Butea monosperma	Palas	10	Medium sized deciduous tree. Beautiful orange flowers, Butterfly host plant
16	Michelia champaca	Son chafa	10	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
17	Putranjivaroxburghii	Putranjiva	10	Medium sized evergreen tree
18	Caryotaurens	Fish Tail Palm	10	Ornamental tree
19	Alstoniascholaris	Satwin	10	Shady, large evergreen Tree, white fragrant flowers
20	Murrayakoengii	Curry leaf	10	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	VitexNegundi (Nirgudi)	2.00 m	--
2	AdhatodaVasica (Adulasa)	1.75 m	--
3	PlumbagoZeylanica (White Plumbago)	1.50 m	--
4	ZiziphusMauritiana (Ber)	2.25 m	--
5	Stachytarpheta sp	2.25 m	--
6	Cassia Tora (Takala)	2.00 m	--
7	Cassia auriculata (Tarwad)	1.75 m	--
8	Passiflora edulis (Krushnakamal)	2.25 m	--
9	Korphad	1.50 m	--
10	Tulas	2.00 m	--
11	Adulasa	2.25 m	--
12	Chitrak	2.00 m	--
13	Kadipatta	2.25 m	--
14	Wala	1.75 m	--
15	Wekhand	2.00 m	--
16	Gokarna	1.50 m	--
17	Piwala Kanchan	2.25 m	--
18	Kunti	2.25 m	--
19	Bahava	1.75 m	--
20	Kadipatta	1.75 m	--

47.Energy

Power requirement:	**Source of power supply :**	Brihanmumbai Electric Supply and Transport (B.E.S.T)
	During Construction Phase: (Demand Load)	100 KW
	DG set as Power back-up during construction phase	None
	During Operation phase (Connected load):	9417.34 KW
	During Operation phase (Demand load):	3496.53 KW
	Transformer:	1 x 1000 kVA
	DG set as Power back-up during operation phase:	2 Nos. of 600 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	Yes

48.Energy saving by non-conventional method:

Savings due to solar lighting: Providing 25% of street lighting/landscape lighting on solar
Solar water Heater (one toilet for top 12 floor of each tower)

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Average Annual Energy Savings	24.74 %
2	Energy saved by renewable source of energy in % compare to total energy saved	3.22 %

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	2800000 Lakhs
	O & M cost:	400000 Lakhs/Year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water for dust suppression, Tyre cleaning and Vehicle maintenance, Traffic Management (Sign Boards, Persons at entry exit and Parking area),	1.00

2	Socio-economic Environment	Site sanitation	1.0
3	Health & Safety	Disinfection at Site	0.5
4	Health & Safety	Health check-up of workers	1.00
5	Health & Safety	Safety Personal Protective Equipment (Helmets, Safety Shoes, Safety Belt, Googles, Hand Gloves etc.), Safety Training to Workers (Twice in Year), Safety Officer, Safety Nets	5.00
6	Environment management	Environmental Monitoring	5.00

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP network	2 STPsof 325 KLD each; Total capacity: 650 KLD	97.35	9.8
2	RWH System	2 RWH tank of 85 CMD each (Raw & treated Rain water tank) (2 days storage capacity)	11.9	1.2
3	Solid Waste Management	Treating 898 Kg/Day Wet waste in Organic Waste Converter & Curing System	30	20
4	Solar Panel Installation	Solar Street Lights, Landscaping Lights, ? Solar water Heater (one toilet for top 12 floor of each tower)	14	1.8
5	Landscaping	Tree & Shrubs Plantation on site	50	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:	None
Parking details:	**Number and area of basement:**	Nil
	Number and area of podia:	6 Podiums, 68968.51 Sq. m.
	Total Parking area:	82897.47 Sq. m. (Stilt + Podium)
	Area per car:	35.25 Sq. m.
	Area per car:	35.25 Sq. m.
	Number of 2-Wheelers as approved by competent authority:	184
	Number of 4-Wheelers as approved by competent authority:	2090
	Public Transport:	None
	Width of all Internal roads (m):	Above 6.00 m
	CRZ/ RRZ clearance obtain, if any:	No
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park – Approx. 540 Km
	Category as per schedule of EIA Notification sheet	Category 'B'
	Court cases pending if any	No
	Other Relevant Informations	None
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

TOR Suggested Changes

Consolidated Statement Point Number	Original Remarks	Submitted Changes
23. Number of tenants and shops	Building No. 7(Wing A, B & C): 498 Building No. 10 (Wing A & B): 498 , Total: 996 Flats	Building No. 7(Wing A, B & C): 498 Building No. 10 (Wing A, B & C): 498 Total: 996 Flats

24. Number of expected residents/Users	Building No. 7 (Wing A, B & C) = 2490 Building No. 10 (Wing A & B) = 2490 Residents: 4980 Nos. Building Staff: 43 Drivers: 996 Maids: 996 Visitors: 250 Total Populations: 7265 Nos.	Building No. 7 (Wing A, B & C) = 2490 Building No. 10 (Wing A, B & C) = 2490 Residents: 4980 Nos. Building Staff: 43 Drivers: 996 Maids: 996 Visitors: 250 Total Populations: 7265 Nos.
54. Number of 2 Wheelers	184	428
54. Number of 4 Wheelers	2090	2351
Distance from Protected areas/critically polluted areas/ Eco-sensitive areas/ interstate boundaries	Sanjay Gandhi National Park - Approx. 540 Km	Sanjay Gandhi National Park - Approx. 540 m
17. Net Plot Area	57213.36 Sq. m	57059.06 Sq. m

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. AQURA Enviro Projects Pvt. Ltd.

PP informed that, the project under consideration is *Proposed Expansion Township Project. PP summarised the project as t*he total plot area of the project is 59430.30 Sq. M. Land Area Under consideration – 27221.45 sq. mSq.mt. having total construction area 247541.08 Sq.mt.(FSI - 115994.35 sq.mt +NON FSI- Total – 131546.73 sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Building No. 7: - Wing A, B & C	Stilt + 1st to 5th Podium + E Deck Floor + 1st to 43rd upper floors Wing A & B - 162.85 – mt. Wing C	171.45 mt
Building No. 10: - Wing A, B& C	Stilt + 1st to 5th Podium + E Deck Floor + 1st to 43rd upper floors Wing A & B – 162.85 mt. Wing C -	171.45 mt.

It is noted that, Project has received Environmental clearance vide letter dated Environment Clearance Obtained from Municipal Corporation of Greater Mumbai (MCGM) Environment Cell vide letter dated 08/12/2017 for total built up area 1,06061.47 Sq.mt .

It is noted that the project earlier considered in 77th SEAC-2 Meeting held on 16-11-2018 & ToR granted for the same.

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

Committee noted that, PP & Environment Consultant has not circulated the copy of EIA through email to Expert Members of Committee in advance. ***In view of above, the proposal is deferred and shall be considered only after the compliance of above.***

Specific Conditions by SEAC:

1) PP to submit the detail chronology & explanatory note regarding the proposal along with all supporting documents with respect to validity of EC granted by Local Planning Authority
2) PP to submit the letter regarding six monthly report from RO, Nagpur.
3) PP to submit the explanatory note regarding the construction of proposed e deck.
4) PP to submit the revised dated Architect certificate addressing to committee regarding building wise construction done on site as per EC accorded

FINAL RECOMMENDATION

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

Agenda of 98th Day-2 SEAC-2 meeting held on 3rd -4th May, 2019

SEAC Meeting number: 98th)Day-2_ **Meeting Date** May 4, 2019

Subject: Environment Clearance for Proposed Expansion of Residential Project 'Rustomjee Crown' with MCGM Parking Lot" on property bearing F.P.No. 1043, (subdivided plot 'B') TPS IV of Mahim Div. Situated at Gokhale Road, (South) Dadar, Mumbai – 400 028. by M/s Real Gem Build Tech Pvt. Ltd.

Is a Violation Case: No

1.Name of Project	Proposed Expansion of Residential Project 'Rustomjee Crown' With MCGM Parking Lot
2.Type of institution	Private
3.Name of Project Proponent	M/s Real Gem Build Tech Pvt. Ltd.
4.Name of Consultant	M/s Enviro Analysts & Engineers Pvt. Ltd.
5.Type of project	Expansion of Residential Project 'Rustomjee Crown' With MCGM Parking Lot
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in existing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	EC received vide letter no SEAC 2010/CR-3/TC2 dated 07.04.2012 & dated 19.03.2012 for total construction area 3,21505.37 sqm & 64th SEIAA MoM dated 06.01.2014 for total construction area of 3,42,441.37 sqm.
8.Location of the project	Property bearing F.P.No. 1043, (subdivided plot 'B') TPS IV of Mahim Div. Situated at Gokhale Road, (South) Dadar, Mumbai – 400 028
9.Taluka	Worli
10.Village	Worli
Correspondence Name:	Mr. Chandresh D. Mehta
Room Number:	702
Floor:	-
Building Name:	Natraj
Road/Street Name:	M.V. Road Junction
Locality:	W.E. Highway
City:	Mumbai
11.Area of the project	MCGM (Municipal Corporation of Greater Mumbai)
12.IOD/IOA/Concession/Plan Approval Number	Concession Received from MCGM
	IOD/IOA/Concession/Plan Approval Number: Concession received vide letter no. EB /5070/GS/A dated 17.01.2019
	Approved Built-up Area: 125774.12
13.Note on the initiated work (If applicable)	1,55,925.91 sqm of total construction area is constructed on site as per EC received.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	HRC -10/03/2017, CFO -12/01/2019, EETC- 17.01.2019, LOI -25.02.19
15.Total Plot Area (sq. m.)	24809.75
16.Deductions	1518.23
17.Net Plot area	23291.52
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 125774.12
	b) Non FSI area (sq. m.): 284725.90
	c) Total BUA area (sq. m.): 410500.02
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 125774.12
	Approved Non FSI area (sq. m.): 284725.90
	Date of Approval: 17-01-2019
19.Total ground coverage (m2)	4076.50
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	16%
21.Estimated cost of the project	9520000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Tower -A	3B+Gr+68 upper floors (3B+G+12P +56 upper floors)	245.95
2	Tower -B	3B+Gr+68 upper floors (3B+G+12P +56 upper floors)	245.95
3	Tower -C	3B+Gr+65 upper floors (3B+G+11P+ 54 upper floors)	220.05
4	MCGM Parking (PPL)	3B+Gr.+2nd Podium(Pt.) floor in the above A, B & C wings	-

23.Number of tenants and shops	Residential- 708 nos.
24.Number of expected residents / users	Residential -4713 nos , PPL - 254 nos
25.Tenant density per hectare	285 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)	Access from 30.49 m .Gokhale road & 24.38 m. Sayani 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 Building is under construction on site as per EC Received
30.Details of the demolition with disposal (If applicable)	No demolition is involved.

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	MCGM/ Treated water fom STP
	Fresh water (CMD):	425 KLD
	Recycled water - Flushing (CMD):	215 KLD
	Recycled water - Gardening (CMD):	60 KLD
	Swimming pool make up (Cum):	45 cum
	Total Water Requirement (CMD) :	700 KLD
	Fire fighting - Underground water tank(CMD):	300 Cum. (As per CFO NOC)
	Fire fighting - Overhead water tank(CMD):	100 Cum. per wing (As per CFO NOC)
	Excess treated water	262 KLD
Wet season:	**Source of water**	MCGM/ Treated water fom STP/ RWH
	Fresh water (CMD):	425 KLD
	Recycled water - Flushing (CMD):	215 KLD
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	45 cum
	Total Water Requirement (CMD) :	640 KLD
	Fire fighting - Underground water tank(CMD):	300 Cum. (As per CFO NOC)
	Fire fighting - Overhead water tank(CMD):	100 Cum. per wing (As per CFO NOC)
	Excess treated water	322 KLD
Details of Swimming pool (If any)	1 nos of lap pool and 1nos of lagoon pool are 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:**	1.85m to 3.30 m Blg
	Size and no of RWH tank(s) and Quantity:	5 nos of RWH tanks proposed of total capacity 320 cum (having 2 day holding capacity)
	Location of the RWH tank(s):	P5 & P6
	Quantity of recharge pits:	Nil
	Size of recharge pits :	Nil
	Budgetary allocation (Capital cost) :	Rs 61.00 Lakhs
	Budgetary allocation (O & M cost) :	Rs 3.00 Lakhs
	Details of UGT tanks if any :	Domestic tanks- 425 cum Flushing tanks- 215 cum Fire tanks – 300 cum RWH tanks-320 cum Location-Basement and Podium
35.Storm water drainage	**Natural water drainage pattern:**	Natural drainage pattern is towards the existing roads i.e West to east
	Quantity of storm water:	0.63 m3/sec
	Size of SWD:	300 mm Dia NP-2 Pipe -3 Nos, 450 mm Dia NP-2 Pipe-2 Nos
Sewage and Waste water	**Sewage generation in KLD:**	597 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	Residentail-600 KLD , PPL-20 KLD
	Location & area of the STP:	Location: Ground , Area of STP: 700 Sq.m.
	Budgetary allocation (Capital cost):	Rs 90.00 Lakhs
	Budgetary allocation (O & M cost):	Rs.10.00 Lakhs
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Excavated material, Cement Bags , Paint container (@20L), Scrap metal generated, Broken Tiles
	Disposal of the construction waste debris:	Excavated material Shall be used on site for backfilling and for internal roads. Excess shall be disposed to authorized landfills, Empty Cement bags to be handed over to recycler. Paint container (@20L) To be handed over to recycler. Scrap metal generated to be sold for recycling ,Broken tiles to be used for skirting. Broken pieces to be used for china mosaic waterproofing of terraces
Waste generation in the operation Phase:	**Dry waste:**	987 Kg/day
	Wet waste:	1433 Kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	38 Kg
	Others if any:	E- waste will be handed over to authorized MPCB dealers

Mode of Disposal of waste:	**Dry waste:**	To be hand over to Local Recyclers for recycling
	Wet waste:	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 a manure
	Others if any:	E- waste will be handed over to authorized MPCB dealers
Area requirement:	**Location(s):**	P-6 level
	Area for the storage of waste & other material:	91 Sq.m.
	Area for machinery:	16 Sq.m.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.35.00 Lakhs
	O & M cost:	Rs .3.00 Lakhs

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

42.Mode of Transportation of fuel to site	Not applicable

43.Green Belt Development	**Total RG area :**	Total RG Provided -12055.60 sqm.(1251.65 sqm on ground +10803.95 sqm on podium)
	No of trees to be cut :	17 nos.
	Number of trees to be planted :	350 nos.
	List of proposed native trees :	Enlisted below
	Timeline for completion of plantation :	by the end of construction phase

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Plumeria alba	Chapha	25	Ornamental
2	Plumeria rubra	Deo chapha	33	Ornamental
3	Michelia champaca	Son chapha	21	Ornamental
4	Cordyline australis	Club Palm	30	Ornamental
5	Bauhinia blakeana	Kanchan	29	Ornamental
6	Lagerstroemia speciosa	Taman	23	Ornamental
7	Areca catechu	Betel Palm	25	Ornamental
8	Sesbania grandiflora	Grandifolia	21	Ornamental
9	Caryota urens	Solitary Fish tail Palm	22	Ornamental
10	Nyctanthes arbor tristis	Parijat	20	Ornamental
11	Filicium decipiens	Fern Tree	18	Ornamental
12	Cordia sebastena	Lal lasoda	23	Ornamental
13	Brownea coccinea	Scarlet Flame Bean	19	Ornamental
14	Hyophorbe lagenicaulis	Champagne Palm tree	41	Ornamental
45.Total quantity of plants on ground				

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

Serial Number	Name	C/C Distance	Area m2
1	Adhatoda Vasica	2.5 sqm	6 sqm
2	Allamanda cathartica	2.5 sqm	6 sqm
3	Bougainvillea glabra	2.5 sqm	6 sqm
4	Cassia auriculata	2.5 sqm	6 sqm
5	Galphimia gracilius	2.5 sqm	6 sqm
6	Leucas aspera	2.5 sqm	6 sqm
7	Blue plumbago	2.5 sqm	6 sqm
8	Hamelia Patens	2.5 sqm	6 sqm
9	Tecoma capensis	2.5 sqm	6 sqm
10	Tabernaemontana Coronaria	2.5 sqm	6 sqm

11	Ziziphus mauritiana	2.5 sqm	6 sqm
12	Vitex Negundo	2.5 sqm	6 sqm

47.Energy

Power requirement:	**Source of power supply :**	TATA
	During Construction Phase: (Demand Load)	850 kW
	DG set as Power back-up during construction phase	100 kVA
	During Operation phase (Connected load):	21382 kW
	During Operation phase (Demand load):	10451 kW
	Transformer:	3 Nos CSS
	DG set as Power back-up during operation phase:	Residential - 1500 KVA x 2 Nos, PPL- 750 KVA x 1 Nos
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Solar Water Heating
Photo Voltaic(PV) panels for Common area and Landscape,solar light with LED fixture
APFC panel to improve power factor
Lift system on VFD

49.Detail calculations & % of saving:

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

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs 200.00 Lakh
	O & M cost:	Rs 20.00 Lakh

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water Sprinkling, Green Belt Development, Covered storage	18.00

2	Noise Environment	Noise Baricades and Green Belt	7.00
3	Water Environment	Modular STP , Drainage with sedimentation tanks	6.00
4	Environmental Monitoring	Air,water,noise & soil monitoring	1.50
5	Sanitation	Disinfection & Health Care	3.00
6	Land Environment	Site Sanitation	1.00

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Waste water management	STP	90.00	10.00
2	Solid Waste Management	OWC	35.00	3.00
3	Green Belt development	Landscaping	300	15.00
4	Rain water harvesting	Rain water harvesting tank	61.00	3.00
5	Energy conservation	solar panels, energy efficient fixtures	200.00	20.00

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:	4 nos entry/Exit (Access from 30.49 m .Gokhale road & 24.38 m. Sayani Road)

Parking details:	**Number and area of basement:**	3 Basements-50,803.67 sq.mt.
	Number and area of podia:	12 podiums -71,855.00 sq.mt.
	Total Parking area:	1,22,658.67 sqm
	Area per car:	35 Sq.m
	Area per car:	35 Sq.m
	Number of 2-Wheelers as approved by competent authority:	--
	Number of 4-Wheelers as approved by competent authority:	Residential- 2053 nos PPL- 1058 nos Total-3111 nos
	Public Transport:	--
	Width of all Internal roads (m):	All internal driveways are minimum 6.00 m wide
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable
	Category as per schedule of EIA Notification sheet	8(b) B1
	Court cases pending if any	Not applicable
	Other Relevant Informations	Project was issued ToR in the 50th (Part B) SEAC -II meeting item no. 298 for construction area of 4,53,057.90 sqm dated 20.09.2016
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

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

PP informed that, the project under consideration is *proposed expansion of Residential Project 'Rustomjee Crown' With MCGM Parking Lot Residential Expansion Project. PP further stated that, t*he total plot area of the project is 24809.75 Sq.mt having total construction area 410500.02 Sq.mt.(FSI - 125774.12 sq.mt +NON FSI- Total –284725.90 sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Tower -A	3B+Gr+68 upper floors (3B+G+12P +56 upper floors)	245.95
Tower -B	3B+Gr+68 upper floors (3B+G+12P +56 upper floors)	245.95
Tower -C	3B+Gr+65 upper floors (3B+G+11P+ 54 upper floors)	220.05
MCGM Parking (PPL)	3B+Gr.+2nd Podium(Pt.) floor in the above A, B & C wings	--

It is noted that, Project has received Environmental clearance vide letter dated 19.03.2012 & amended vide letter dated 07.04.2012 for total construction area of 3,42,441.37 Sq.mt

It is noted that the project earlier considered in 94th SEAC-2 Meeting held on 02-04-2019) & deferred with observations namely 1) to submit dated Architect certificate addressing to committee regarding building wise construction done on site. 2) to submit Hon'ble Court Judgement/Order regarding provision of RG and relevant provision in DCR 2034. 3) to submit structural stability report. 4) to submit note on mitigation measures for noise pollution. 5) to submit CER of 0.75 %prescribed by MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project. The specific activities to be undertake under CER to be get approved from collector/ local body or Environment Department. 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 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 upload the affidavit regarding Name change of the project.
2) Local body to ensure the structural stability for the proposed expansion.
3) 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.
4) PP to submit CER of 0.75 % prescribed by MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project. The specific activities to be undertake under CER to be get approved from collector/ local body 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 98th Day-2 SEAC-2 meeting held on 3rd -4th May, 2019

SEAC Meeting number: 98th)Day-2_ **Meeting Date** May 4, 2019

Subject: Environment Clearance for "Mohan Willows" proposed housing complex on property bearing S. No. 64, S. No. 65, H. No. 1, S. No. 66 and S. No. 67, H. No. 1A & 1B of village Shirgaon, Tal- Ambernath, Dist-Thane by M/S Mohan Lifespaces LLP

Is a Violation Case: No

1.Name of Project	"Mohan Willows" proposed housing complex
2.Type of institution	Private
3.Name of Project Proponent	M/S Mohan Lifespaces LLP Mr. Manohar Manchandya
4.Name of Consultant	M/s. Enviro Analysts & Engineers Pvt. Ltd. Mr. H. K Desai
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	Property bearing S. No. 64, S. No. 65, H. No. 1, S. No. 66 and S. No. 67, H. No. 1A & 1B of village Shirgaon, Tal- Ambernath, Dist-Thane
9.Taluka	Ambernath
10.Village	village Shirgaon, Tal- Ambernath, Dist-Thane
Correspondence Name:	Mr. Manohar Manchandya, M/S Mohan Lifespaces LLP
Room Number:	G1
Floor:	ground floor
Building Name:	Mohan Plaza, Khadakpada, Next to Mohan Pride
Road/Street Name:	-
Locality:	Wayle ,Nagar,Kalyan (W)
City:	Kalyan
11.Area of the project	Kulgaon Badlapur Municipal Council
12.IOD/IOA/Concession/Plan Approval Number	yes
	IOD/IOA/Concession/Plan Approval Number: 1) for S No 64 (A2,B2)=Plot area =6800.00 sq.m. FSI : 5943.72 Sqr Mtrs NON FSI : 2729.45 Sqr Mtrs Total (A2,B2) -8673.17 Sqr Mtrs As per approval no KBMC/T.D.P/BP/1093-155 Dt . 3/2/2017 2) For S No 66 & 67 (A to E) = Plot area = 15890.00 sq.m. FSI : 14368.20 Sqr Mtrs Non Fsi 5478.18 Sqr Mtrs Total (A-E): 19846.38 Sqr mtrs As per Approval Number :KBMC /TDP/BP/1689-173 dated : 4/9/2014 Previously separate plot. Now amalgamated to avail the TDR for entire project.
	Approved Built-up Area: 67502.94
13.Note on the initiated work (If applicable)	1) For S No 64 (A2,B2)= Plot area =6800.00 sq.m. FSI : 5943.72 Sqr Mtrs NON FSI : 2729.45 Sqr Mtrs Total (A2,B2) -8673.17 Sqr Mtrs As per approval no KBMC/T.D.P/BP/1093-155 Dt . 3/2/2017 2) For S No 66 & 67 (A to E) = Plot area = 15890.00 sq.m. FSI : 14368.20 Sqr Mtrs Non Fsi 5478.18 Sqr Mtrs Total (A-E): 19846.38 Sqr mtrs As per Approval Number :KBMC /TDP/BP/1689-173 dated : 4/9/2014
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Approvals received by Kulgaon Badlapur Nagar Parishad 1. Javak no./KBNP/BP/1689-173/2014-2015 dtd. 04-09-2014 2. Javak no./KBNP/BP/1093-155/2016-2017 dtd. 03-02-2017 3. Javak no./KBNP/BP/9441-162/2017-2018 dtd. 19-12-2017 For total approved area of 67502.94sq.m. Total FSI approved=42973.24sq.m. Total non FSI approved = 24529.70sq.m.
15.Total Plot Area (sq. m.)	30050.00 sq.m.
16.Deductions	11435.57 sq.m. (12 m & 15m wide road,Garden reservation area,R. G Area (10%), Amenity Area (5%) etc.)
17.Net Plot area	18614.43 sq.m.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 42973.24Sq.m.
	b) Non FSI area (sq. m.): 24529.70Sq.m.
	c) Total BUA area (sq. m.): 67502.94

18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 42973.24Sq.m.
	Approved Non FSI area (sq. m.): 24529.70Sq.m.
	Date of Approval: 03-02-2017
19.Total ground coverage (m2)	3199.80 sq.m.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	17.18%
21.Estimated cost of the project	1250000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Wing A	ST+12 Floors	37.35
2	Wing B	ST+10 Floors	31.65
3	Wing C	ST+12 Floors	37.35
4	Wing D	ST+10 Floors	31.65
5	Wing E	ST+12 Floors	37.35
6	Wing F	G+2 Floors(shops + Club House)	13.05
7	Wing G	ST+24 Floors	70.65
8	Wing H	ST+24 Floors	70.65
9	Wing I	ST+24 Floors	70.65
10	Wing J	Grd Flr(Shops)	4.65
11	Wing A2	ST+12 Floors	37.35
12	Wing B2	ST+12 Floors	37.35

23.Number of tenants and shops	No. of Flats = 958Nos. No. of Shops = 25 Nos. Commercial area: 1141 sq. m
24.Number of expected residents / users	Residential = 4941 Nos. ,Shops = 75 ,Commercial =114 ,Total = 5130Nos.
25.Tenant density per hectare	531tenements/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)	15.00 Mtr Wide DP Road , 12.00 Mtr Wide DP Road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Min 9.00 m
29.Existing structure (s) if any	Existing structure of 160.00 sq.m.
30.Details of the demolition with disposal (If applicable)	Existing structure of 160.00 sq.m. is to be demolished. Will be disposed as per C & D waste rules 2016 and local norms of concern authority.

31.Production Details

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

32.Total Water Requirement

Dry season:	Source of water	MIDC/Recycled water
	Fresh water (CMD):	448
	Recycled water - Flushing (CMD):	227
	Recycled water - Gardening (CMD):	12
	Swimming pool make up (Cum):	6
	Total Water Requirement (CMD) :	693
	Fire fighting - Underground water tank(CMD):	75cum each wing
	Fire fighting - Overhead water tank(CMD):	5 cum each wing
	Excess treated water	308
Wet season:	Source of water	MIDC /Recycled water
	Fresh water (CMD):	448
	Recycled water - Flushing (CMD):	227
	Recycled water - Gardening (CMD):	06
	Swimming pool make up (Cum):	6
	Total Water Requirement (CMD) :	681
	Fire fighting - Underground water tank(CMD):	75cum each wing
	Fire fighting - Overhead water tank(CMD):	5 cum each wing
	Excess treated water	320
Details of Swimming pool (If any)	Pool dimension: 3 x 2.70 x 0.75 (Paddle pool), 4.0 x 5.0 (Kids pool), 9.0 x 6.0 (Main pool) Total volume of pool (water quantity) =125000.00 Liters approx Balancing Tank Capacity : 5% of total qtyi.e 6250 ltsapprox	

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:**	11-13mts below ground
	Size and no of RWH tank(s) and Quantity:	nil
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	12 no. of recharge pits provided
	Size of recharge pits :	3.0 Mtr x 3.0 Mtr x 3.0 Mtr. Depth
	Budgetary allocation (Capital cost) :	Rs. 42.00 lakhs
	Budgetary allocation (O & M cost) :	Rs. 3.00 Lakhs
	Details of UGT tanks if any :	below ground level
35.Storm water drainage	**Natural water drainage pattern:**	The natural drainage pattern is from east to west
	Quantity of storm water:	Total actual discharge = 0.405 cum/sec Total design discharge = 0.60 cum/sec
	Size of SWD:	B = 0.9 m , D = 0.6 m.
Sewage and Waste water	**Sewage generation in KLD:**	608
	STP technology:	MBBR
	Capacity of STP (CMD):	630 KLD
	Location & area of the STP:	Underground Ground Level
	Budgetary allocation (Capital cost):	Rs 70.00 Lakhs
	Budgetary allocation (O & M cost):	Rs10.00Lakhs

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Debris has been disposed off by covered trucks to the authorized sites with the permission of local authority.
	Disposal of the construction waste debris:	Debris will be used for backfilling and counterweight of raft, road works, etc. Brickbats will be used for waterproofing. Reinforcement will be sent for reuse Nominal surplus construction debris shall be disposed of by covered trucks to the authorized sites with the permission of MC.
Waste generation in the operation Phase:	**Dry waste:**	1017 Kg/Day
	Wet waste:	1496 Kg/Day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	30 kg/day
	Others if any:	Nil

Mode of Disposal of waste:	**Dry waste:**	Will handed over to authorized vendors.
	Wet waste:	Will be process in OWC. Manure so obtained will be used for gardening.
	Hazardous waste:	Nil
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as a manure
	Others if any:	Nil
Area requirement:	**Location(s):**	At ground level
	Area for the storage of waste & other material:	145.00 sq.m.
	Area for machinery:	3.00 sq.m.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs 11.00Lakhs
	O & M cost:	Rs 2.80 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 :**	2473.49 sq.m.
	No of trees to be cut :	nil
	Number of trees to be planted :	413 Nos.
	List of proposed native trees :	as given 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	Artocarpus altilis	Bread fruit tree	3	Fruiting
2	Anthocephallus cadamba	Kadamb Tree	24	Shady
3	Azadirachta indica	Neem	20	shady
4	Alstonia scholaris	Devil's tree	20	Evergreen tropical tree
5	Bambusa vulgaris	Bamboo	5	Evergreen
6	Bismarckia nobilis	Bismarck Palm	4	flowering
7	Bauhinia purpurea	Butterfly tree	42	flowering
8	Callophyllumi nophyllum	Undi tree	6	evergreen
9	Cassia nodosa	Pink and White Shower Tree	11	Flowering
10	Cordia sebastena	The scarlet cordia	16	Flowering
11	Cassia fistula	Indian laburnum	2	Flowering
12	Dillenia indica	Elephant Apple	9	Medicinal
13	Eugenia oleina	Wild Cinnamon	2	Flowering
14	Guaiacum officinale	Lignum vitae	3	Useful tropical plant
15	Kentia Macarthurii	Kentia Palm	13	ornamental
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEB(Mahavitran) Power
	During Construction Phase: (Demand Load)	100 kW
	DG set as Power back-up during construction phase	100 KVA
	During Operation phase (Connected load):	10913.95 kW
	During Operation phase (Demand load):	4614.97 kW
	Transformer:	-
	DG set as Power back-up during operation phase:	Proposed DG size1 X 220 KVA and 1 X125KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	Nil

48.Energy saving by non-conventional method:

1. Common area lighting
2. Hot water system
3. Use of LED & CFL Lamps

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	total energy saving	18%
2	solar saving	11%

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.25.00Lakhs
	O & M cost:	Rs.1.00 Lakhs

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	air environment	dust suppression	3.00
2	land environment	site sanitation	2.5
3	Environment monitoring	For Air, Noise, Water Analysis	7
4	EHS	Disinfection	2.5
5	EHS	Health Check Up	3.5

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	water environment	rain water harvesting	42.0	3.0
2	solid waste	OWC	11.0	2.80
3	water environment	STP	70.0	10.00
4	energy saving	Solar energy system	25.00	1.0
5	land environment	landscaping	15.00	3.0

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	2
Parking details:	**Number and area of basement:**	Nil
	Number and area of podia:	Nil
	Total Parking area:	3199.50 sq.m.
	Area per car:	as per DCR
	Area per car:	as per DCR
	Number of 2-Wheelers as approved by competent authority:	Scooter = reqd: 1250 , provided = 1256 nos. Cycles = reqd: 1250 Nos., provided= 1256 nos.
	Number of 4-Wheelers as approved by competent authority:	Reqd = 18 Nos. Provided = 50 nos
	Public Transport:	Nil
	Width of all Internal roads (m):	6.00 m
	CRZ/ RRZ clearance obtain, if any:	Not within the 10 km

	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not within the 10 km of area
	Category as per schedule of EIA Notification sheet	Category B. Schedule 8(a)
	Court cases pending if any	Nil
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	05-05-2018

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. Kumar Vidhan was present during the meeting along with environmental consultant M/s. Enviro Analysts & Engineers Pvt. Ltd

PP informed that, the project under consideration is *proposed new Housing Project. PP further stated that, t*he total plot area of the project is 30050.00 Sq.mt.having total construction area 67502.94 Sq.mt.(FSI - 42973.24 sq.mt +NON FSI- Total – 24529.70sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Wing A	ST+12 Floors	37.35
Wing B	ST+10 Floors	31.65
Wing C	ST+12 Floors	37.35
Wing D	ST+10 Floors	31.65
Wing E	ST+12 Floors	37.35
Wing F	G+2 Floors(shops + Club House)	13.05
Wing G	ST+24 Floors	70.65
Wing H	ST+24 Floors	70.65
Wing J	Grd Flr(Shops)	4.65
Wing A2	ST+12 Floors	37.35
Wing B2	ST+12 Floors	37.35

It is noted that the project earlier considered in 92nd SEAC-2 Meeting held on 14-03-2019 & deferred with observations namely 1) Committee noted that, there is no existing sewer line & PP has not submitted the compliance regarding the timeframe of concern authority to complete the work of the sewer line. Also not submitted the detail plan regarding treated waste water in absence of sewer line. 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) PP to ensure that construction of STP should be completed before giving possession. Local body to ensure to issue CC/OC only after STP constructed & functional.
2) Local body to abide the Hon. NGT order as mentioned in their letter dated 8/4/2019.
3) 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.
4) 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 undertake under CER to be get approved from collector/ local body 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 98th Day-2 SEAC-2 meeting held on 3rd -4th May, 2019

SEAC Meeting number: 98th)Day-2_ **Meeting Date** May 4, 2019

Subject: Environment Clearance for Proposed Amendment & Expansion in Residential and Commercial Project At Plot Bearing Survey No. 7/1, 7/2, 7/3, 7/4, 7/5, 7/6, 7/7, 7/8, 7/9, 7/10, 7/11, 7/12, 7/13, 7/14, 8/1, 8/2, 8/3, 8/4, 8/5, 8/6 ,8/7, 8/8, 8/9, 8/10, 8/11, 8/12, 8/13, 8/14, 8/15, 8/16, 8/17, 8/18, 8/19 ,8/20, 8/21, 8/22, 8/23, 8/24, 8/25, 8/26, 8/27, 8/28, 8/29, 8/30, 8/31, 8/32, 8/33, 8/34, 8/35, 8/36, 8/37, 8/38, 8/39, 8/40, 8/41, 8/42, 9/1, 9/2, 9/3, 9/4, 9/5, 9/6, 9/7, 9/8, 9/9, 9/10, 9/11, 9/12, 9/13, 9/14, 9/15 ,9/16

Is a Violation Case: No

1.Name of Project	Piramal Estates Pvt. Ltd.
2.Type of institution	Private
3.Name of Project Proponent	Piramal Estates Pvt. Ltd.
4.Name of Consultant	Mahabal Enviro Engg. Pvt. Ltd., Dr. D. A. Patil
5.Type of project	Amendment & Expansion in Residential cum Commercial Project
6.New project/expansion in existing project/modernization/diversification in existing project	Amendment & Expansion Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Prior Environmental Clearance vide No. 21-124/2014-IA.III dt. 23.06.2015 in the name of V3 Designs LLP
8.Location of the project	At Plot Bearing Survey No. 7/1, 7/2, 7/3, 7/4, 7/5, 7/6, 7/7, 7/8, 7/9, 7/10, 7/11, 7/12, 7/13, 7/14, 8/1, 8/2, 8/3, 8/4, 8/5, 8/6 ,8/7, 8/8, 8/9, 8/10, 8/11, 8/12, 8/13, 8/14, 8/15, 8/16, 8/17, 8/18, 8/19 ,8/20, 8/21, 8/22, 8/23, 8/24, 8/25, 8/26, 8/27, 8/28, 8/29, 8/30, 8/31, 8/32, 8/33, 8/34, 8/35, 8/36, 8/37, 8/38, 8/39, 8/40, 8/41, 8/42, 9/1, 9/2, 9/3, 9/4, 9/5, 9/6, 9/7, 9/8, 9/9, 9/10, 9/11, 9/12, 9/13, 9/14, 9/15 ,9/16, 9/17, 10/2A, 10/3, 10/4A, 10/5A, 10/5K, 10/5D, 10/6, 10/7, 10/8, 10/9, 10/10A, 10/10B, 10/11, 10/12, 10/13, 10/14, 10/15, 10/17, 10/18, 88/6B, 99/13A, 99/13B, 99/15B, 100/14A, 100/14B, 100/15A, 100/15B, 100/16A, 100/16B, 100/17A, 100/17B, 100/17K, 100/18A, 100/18B, 100/19A, 100/19B, 100/20, 100/24A, 100/24B, 100/25, 100/26, 100/27, 100/28, 100/29, 100/30, 100/31A, 100/31B, 100/32, 100/33, 101/2A, 101/2B, 101/3A, 105/1, 105/2, 105/3, 105/4, 105/5, 105/6, 105/8, 105/9, 105/11, 105/12, 105/13, 105/14, 105/15, 105/16, 105/18 at Village Balkum, Thane, Maharashtra
9.Taluka	Thane
10.Village	Balkum
Correspondence Name:	Mr. Shiju Bhaskar. Piramal Estates Pvt. Ltd.
Room Number:	-
Floor:	8th Floor
Building Name:	Piramal Tower
Road/Street Name:	G. K. Marg
Locality:	Peninsula Corporate Park
City:	Lower Parel, Mumbai -400013
11.Area of the project	Thane Municipal Corporation (TMC)
12.IOD/IOA/Concession/Plan Approval Number	IOD received
	IOD/IOA/Concession/Plan Approval Number: Plan approval No. V.P. No. S05/0068/13 TMC/TD-DP/TPS/2268/17 dated 01.08.2017; LOA received vide letter No. TMC/TDD/6429 dt. 15.02.2019
	Approved Built-up Area: 240230.24
13.Note on the initiated work (If applicable)	Total area constructed on site is 77,476 m2 (construction area)
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	1,29,000 m2
16.Deductions	2931 m2
17.Net Plot area	1,26,069 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 240230.24 m2
	b) Non FSI area (sq. m.): 395362.76 m2
	c) Total BUA area (sq. m.): 635593

18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 240230.24
	Approved Non FSI area (sq. m.): 395362.76
	Date of Approval: 15-02-2019
19.Total ground coverage (m2)	35583 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	38%
21.Estimated cost of the project	19290000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Cluster 1 - Tower A	B + G +5P (pt)+6th to 32nd Upper residential floors including 1 fire check Floor	109.60
2	Cluster 1 -Tower B	B + G +5P (pt)+6th to 32nd Upper residential floors including 1 fire check Floo	109.60
3	Cluster 1 -Tower C	B + G + 1st to 32nd residential upper floors	109.60
4	Cluster 1 -Town House D	B + G + 1st to 6th Upper floors (pt)	23.98
5	Cluster 1 -Town House E	B + G + 1st to 6th Upper floors (pt)	23.98
6	Cluster 1 -Town House F	B + G + 1st to 6th Upper floors (pt)	23.98
7	Cluster 2-Tower T1	G + 5P (pt) + 6th to 38th Upper residential floors	123.25
8	Cluster 2-Tower T2	G + 5P (pt)+ 6th to 38th Upper residential floors	123.25
9	Cluster 3 - T1 to T6	B + G + 5 P (pt) + 6th to 32 nd Upper residential floors	104.65
10	Cluster 4 - Tower T1	B + G + 5 P (pt) + 6th to 38th Upper residential floors	121.88
11	Cluster 4 -Tower T2 to T4	B + G + 5P (pt) + 6th to 39th Upper residential floors	121.38
12	Cluster 5- Tower A & Tower B	Tower A: Residential: B + Gr. +1st To 37 floors Tower B: Commercial: B + Gr. + 1 to 2nd (Pt) Commercial+ 3 to 5P(Pt)	121.90, 17.55
13	Community Centre / Club house	G + 1 Floor	8.0
14	West Tower	Wing A: 2B + G to 19 floors ; Wing B: 2B + G to 3 floors	68.65 ; 16.45
15	East Tower	Wing A: 2B + G to 6th floors; Wing B: 2B + G + 1st fllor + Mezzanine floor	30.10; 13.45
16	Iscon Temple	Lower G round + Upper Ground	-

23.Number of tenants and shops	3506 Nos.
24.Number of expected residents / users	17954 Nos.
25.Tenant density per hectare	379/ha

26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	The plot is located abutting to 30 m wide D. P. Road and also accessible from 60 m wide Old Agra Road.
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m wide
29.Existing structure (s) if any	Office Building (Sales), Old Residential Bungalow, & Shade
30.Details of the demolition with disposal (If applicable)	-

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	TMC
	Fresh water (CMD):	1588
	Recycled water - Flushing (CMD):	797
	Recycled water - Gardening (CMD):	124
	Swimming pool make up (Cum):	120
	Total Water Requirement (CMD) :	2506
	Fire fighting - Underground water tank(CMD):	As per norms
	Fire fighting - Overhead water tank(CMD):	As per norms
	Excess treated water	1284

Wet season:	**Source of water**	TMC
	Fresh water (CMD):	1288
	Recycled water - Flushing (CMD):	797
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	120
	Total Water Requirement (CMD) :	2506
	Fire fighting - Underground water tank(CMD):	As per norms
	Fire fighting - Overhead water tank(CMD):	As per norms
	Excess treated water	1408
Details of Swimming pool (If any)	Swimming pool is provided cluster wise.	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	1.8 to 5.8 m
	Size and no of RWH tank(s) and Quantity:	RWH tanks – 6 Nos, Capacity 700 Cum
	Location of the RWH tank(s):	Below Ground
	Quantity of recharge pits:	48 Nos.
	Size of recharge pits :	6 m X 1.5 m X 4 m
	Budgetary allocation (Capital cost) :	Rs. 161 Lakh
	Budgetary allocation (O & M cost) :	Rs. 08 Lakh / year
	Details of UGT tanks if any :	Below Ground
35.Storm water drainage	**Natural water drainage pattern:**	Open Channel Drain
	Quantity of storm water:	14,004.18 m3/hr
	Size of SWD:	SWD Drain: 450, 600, 1000 mm with 4 outfalls

Sewage and Waste water	**Sewage generation in KLD:**	2227 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	2500 KLD
	Location & area of the STP:	On ground
	Budgetary allocation (Capital cost):	Rs. 500Lakh
	Budgetary allocation (O & M cost):	Rs. 100 Lakh/yr

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	18456 m3
	Disposal of the construction waste debris:	Construction debris will be disposed as per the municipal norms
Waste generation in the operation Phase:	**Dry waste:**	3540 kg/d
	Wet waste:	5310 kg/d
	Hazardous waste:	-
	Biomedical waste (If applicable):	-
	STP Sludge (Dry sludge):	22 KLD
	Others if any:	-
Mode of Disposal of waste:	**Dry waste:**	Authorized recycler
	Wet waste:	Mechanical composting
	Hazardous waste:	NA
	Biomedical waste (If applicable):	-
	STP Sludge (Dry sludge):	Will be used as manure
	Others if any:	E-waste shall be disposed through Authorized vendor
Area requirement:	**Location(s):**	On Ground
	Area for the storage of waste & other material:	250 m2
	Area for machinery:	256 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 220 Lakh
	O & M cost:	Rs. 88 Lakh/yr

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	24736.26 Sq.mt
	No of trees to be cut :	Trees to be cut: 1468 Nos.; Trees to be Transplant: 1400 Nos.
	Number of trees to be planted :	1200 Nos.
	List of proposed native trees :	As Mentioned Below
	Timeline for completion of plantation :	Within Two years after construction

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Albizia lebbeck	Shirish	52	Shady tree, yellowish green fragrant flowers
2	DELONIX REGIA	Gulmohar	68	Red flowering Medium Sized tree
3	FICUS RELIGIOSA	Pimpal	42	Large evergreen tree.
4	AZADIRACHTA INDICA	Neem	115	Semi-evergreen tree with medicinal value
5	AGELE MARMELOS	bel	89	small to medium-sized tree with medicinal and spiritual value
6	DALBERGIA SISSOO	kadipatta	58	Butterfly host plant. Fruit bearing tree
7	Pongamia pinnata	Karanj	82	Shady tree.

8	Bombax ceiba	Katesavar	52	Large tree, red flowers.
9	Anthocephallus cadamba	Kadamb	91	Shady, large tree, ball shaped flowers.
10	Cassia fistula	Bahava	77	Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plant
11	Mimusops elengi	Bakul	71	Shady tree, small white fragrant flowers
12	Nyctanthes arbor-tristis	Parijatak	104	Small deciduous fast growing tree, beautiful flowrers.
13	Erythrina indica	Pangara	42	Medium sized deciduous tree. Bright scarlet flowers.
14	Michelia champaca	Son chafa	122	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
15	Bauhinia racemosa	Apta	32	Small tree with small white flowers, Butterfly host plant
16	Lagerstroemia flos-regineae	Tamhan	103	State flower tree of Maharashtra Medium sized tree, beautiful purple flowers
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	600 kVA
	DG set as Power back-up during construction phase	750 KVA
	During Operation phase (Connected load):	41 MW
	During Operation phase (Demand load):	20 MW
	Transformer:	-
	DG set as Power back-up during operation phase:	Total 14500 KVA
	Fuel used:	HSD Diesel
	Details of high tension line passing through the plot if any:	-

48.Energy saving by non-conventional method:

Solar Hot Water system for Residential Building
Solar lighting in landscape , common area passages

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	• Natural shading through elevation features to minimize heat gain and reduce air-conditioning requirement • Use of low-e glass to reduce power requirement • Solar lighting in common areas, garden and road • Solar hot water for residential buildings • Energy efficient lighting fixtures (LED lights) to all buildings	>20%

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 300 Lakh
	O & M cost:	Rs. 15 Lakh/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	Water spray for dust suppression	-	25
2	Site sanitation and Potable Water Supply to Labour	-	18
3	Environmental Monitoring	-	4
4	Health check-up & first aid	-	9
5	Safety Personal Protective Equipment	-	25
6	Traffic Management (Sign Boards, Persons at entry exit and Parking area)	-	12
7	Safety nets	-	35
8	Storm water Management (SWD along plot boundary and Sedimentation Pits)	-	8
9	Tyre cleaning and Vehicle maintenance	-	6
10	Safety Training to Workers (Twice in Year), Safety Officer	-	10
11	Disinfection	-	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 (Tertiary)	-	500	100
2	Solar System	-	300	15
3	Rainwater harvesting	-	161	8
4	Solid Waste Composting plant	-	220	88
5	Landscape	-	237	35
6	Environmental Monitoring	-	-	4

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	-
Parking details:	**Number and area of basement:**	41618 m2
	Number and area of podia:	160753 m2
	Total Parking area:	1,57,655 m2
	Area per car:	-
	Area per car:	-
	Number of 2-Wheelers as approved by competent authority:	3510 Nos.
	Number of 4-Wheelers as approved by competent authority:	4600 Nos.
	Public Transport:	-
	Width of all Internal roads (m):	9 to 12 m
	CRZ/ RRZ clearance obtain, if any:	NA

	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8 (b)
	Court cases pending if any	No
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	30-12-2017

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. Anil Deshmukh was present during the meeting along with environmental consultant M/s. Mahabal Enviro Engg. Pvt. Ltd.

PP informed that, the project under consideration is *proposed amendment & expansion in Residential cum Commercial Project. PP further stated that,* the total plot area of the project is 1,29,000 Sq.mt.having total construction area 635593Sq.mt.(FSI - 240230.24 sq.mt +NON FSI- Total – 395362.76 sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Cluster 1 - Tower A	B + G +5P (pt)+6th to 32nd Upper residential floors including 1 fire check Floor	109.60
Cluster 1 -Tower B	B + G +5P (pt)+6th to 32nd Upper residential floors including 1 fire check Floo	109.60
Cluster 1 -Tower C	B + G + 1st to 32nd residential upper floors	109.60
Cluster 1 -Town House D	B + G + 1st to 6th Upper floors (pt)	23.98
Cluster 1 -Town House E	B + G + 1st to 6th Upper floors (pt)	23.98
Cluster 1 -Town House F	B + G + 1st to 6th Upper floors (pt)	23.98
Cluster 2-Tower T1	G + 5P (pt) + 6th to 38th Upper residential floors	123.25
Cluster 2-Tower T2	G + 5P (pt)+ 6th to 38th Upper residential floors	123.25
Cluster 3 - T1 to T6	B + G + 5 P (pt) + 6th to 32 nd Upper residential floors	104.65
Cluster 4 - Tower T1	B + G + 5 P (pt) + 6th to 38th Upper residential floors	121.88
Cluster 4 -Tower T2 to T4	B + G + 5P (pt) + 6th to 39th Upper residential floors	121.38
Cluster 5- Tower A & Tower B	Tower A: Residential: B + Gr. +1st To 37 floors Tower B: Commercial: B + Gr. + 1 to 2nd (Pt) Commercial+ 3 to 5P(Pt)	121.90, 17.55
Community Centre / Club house	G + 1 Floor	8.0
West Tower	Wing A: 2B + G to 19 floors ; Wing B: 2B + G to 3 floors 68.65 ;	16.45
East Tower	Wing A: 2B + G to 6th floors; Wing B: 2B + G + 1st fllor + Mezzanine floor	30.10; 13.45
Iscon Temple	Lower G round + Upper Ground	--

It is noted that, Project has received Environmental clearance vide letter dated Prior Environmental Clearance vide letter dated. 23.06.2015

It is noted that the project earlier considered in 77th SEAC-2 Meeting held on 16-11-2018 & ToR granted for the same.

DECISION OF SEAC

Committee noted that, PP & Environment Consultant has not circulated the copy of EIA through email to Expert Members of Committee in advance. ***In view of above, the proposal is deferred and shall be considered only after the compliance of above.***

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

Agenda of 98th Day-2 SEAC-2 meeting held on 3rd -4th May, 2019

SEAC Meeting number: 98th)Day-2_ **Meeting Date** May 4, 2019

Subject: Environment Clearance for "Residential Development" at Kandivali (E), Mumbai

Is a Violation Case: No

1.Name of Project	"Residential Development" at Kandivali (E), Mumbai
2.Type of institution	Private
3.Name of Project Proponent	Mr. Neel John Cerejo (Deputy General Manager)
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	NA
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	CTS no.168/A of village Akurli at Akurli road, Kandivali East Mumbai, State: Maharashtra.
9.Taluka	Borivali
10.Village	Akurli
Correspondence Name:	Mr. Neel John Cerejo (Deputy General Manager)
Room Number:	NA
Floor:	5th floor
Building Name:	Mahindra Towers
Road/Street Name:	Dr. G.M. Bhosale Marg
Locality:	Worli
City:	Mumbai
11.Area of the project	Municipal Corporation of Greater Mumbai (M.C.G.M.)
12.IOD/IOA/Concession/Plan Approval Number	Received Concession document
	IOD/IOA/Concession/Plan Approval Number: CHE/WSII/1232/R/S/337(NEW)
	Approved Built-up Area: 9372.65
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	4,463.50 Sq.mt.
16.Deductions	1,060.59 Sq.mt.
17.Net Plot area	2,892.47 Sq.mt.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 8338.70 Sq. mt.
	b) Non FSI area (sq. m.): 14390.90 Sq. mt.
	c) Total BUA area (sq. m.): 22729.60
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	1624.27 Sq.mt.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	56%
21.Estimated cost of the project	625900000

22.Number of buildings & its configuration

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

1	1 Building	Ground + 1st to 5th Podia + 6th to 35th Upper Floors	110.85 mt. (up to terrace level)

23.Number of tenants and shops	Flats: 126 Nos.
24.Number of expected residents / users	614 Nos.
25.Tenant density per hectare	436/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 (Akurli road)
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	7.50 mt.
29.Existing structure (s) if any	There was existing structure i.e. Office Building (Ground + 1 floor) on the project site which shall be demolished.
30.Details of the demolition with disposal (If applicable)	Demolition debris shall be partially recycled and partly shall be disposed to authorized landfill site with permission 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
	Fresh water (CMD):	56
	Recycled water - Flushing (CMD):	28
	Recycled water - Gardening (CMD):	5
	Swimming pool make up (Cum):	2
	Total Water Requirement (CMD) :	91
	Fire fighting - Underground water tank(CMD):	250 KL
	Fire fighting - Overhead water tank(CMD):	50 KL
	Excess treated water	33

Wet season:	**Source of water**	M.C.G.M/RWH
	Fresh water (CMD):	56
	Recycled water - Flushing (CMD):	28
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	2
	Total Water Requirement (CMD) :	86
	Fire fighting - Underground water tank(CMD):	250 KL
	Fire fighting - Overhead water tank(CMD):	50 KL
	Excess treated water	38
Details of Swimming pool (If any)	Adult Swimming pool Volume - 65 m3 Kids Swimming pool volume - 15 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:**	Between 2.5 mt. to 4.5 mt. below ground surface
	Size and no of RWH tank(s) and Quantity:	2 nos. of rain water harvesting tanks of total capacity 80 KL
	Location of the RWH tank(s):	Below ground
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Rs. 14.00 Lacs
	Budgetary allocation (O & M cost) :	Rs. 0.51 Lacs/annum
	Details of UGT tanks if any :	Location(s) of the UGT tank(s): 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 into the external SWD
	Quantity of storm water:	0.10 m3/sec
	Size of SWD:	150 mm dia with slope 1:150

Sewage and Waste water	**Sewage generation in KLD:**	73
	STP technology:	MBBR (Moving Bed Bio Reactor)
	Capacity of STP (CMD):	STP of capacity 80 KL
	Location & area of the STP:	Below ground
	Budgetary allocation (Capital cost):	Rs. 43.65 Lacs
	Budgetary allocation (O & M cost):	Rs. 11.79 Lacs/annum

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Demolition debris shall be partially recycled and partly shall be disposed to authorized landfill site with permission of M.C.G.M.
	Disposal of the construction waste debris:	Construction waste shall be partly recycled and remaining shall be disposed to authorized landfill site with permission of M.C.G.M.
Waste generation in the operation Phase:	**Dry waste:**	166 Kg/day
	Wet waste:	111 Kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	11 Kg/day
	Others if any:	NA
Mode of Disposal of waste:	**Dry waste:**	To authorized recyclers
	Wet waste:	Treatment in Organic Waste Converters (OWC)
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	As manure
	Others if any:	NA
Area requirement:	**Location(s):**	Ground floor
	Area for the storage of waste & other material:	2 sq.mt.
	Area for machinery:	12 Sq.mt.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 9.00 Lacs
	O & M cost:	Rs. 1.22 Lacs /annum

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	685.06 sq.mt.
	No of trees to be cut :	15 Nos.
	Number of trees to be planted :	69 Nos.
	List of proposed native trees :	List of proposed native trees is given below
	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	Cassia fistula	Bahava	11	• 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.

2	Moringa oleifera	Shevga, Drumstick tree	10	• 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 recopies of India.
3	Areca catechu	Betel Palm, Supari	20	• 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.
4	Polyalthia longifolia	Ashok	8	• 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.
5	Michelia champaca	Champa	9	• Medium sized evergreen tree, strongly fragrant yellow flowers used in perfume industry, Butterfly host plant
6	Tabebuia rosea	Trumpet Tree	11	• It is evergreen trees with silvery foliage and deeply furrowed, silvery bark on picturesque, contorted branches and trunk. • It is highly drought tolerance.
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):	2349 KW
	During Operation phase (Demand load):	873 KW
	Transformer:	--
	DG set as Power back-up during operation phase:	1 DG set of capacity 500 kVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

• External lighting on solar with LED lamps & timer controlled operation for reducing amount of light at different stages as per requirement.
• Lift load considered on VFD drives & use of regenerative braking
• All water pump motors will be high efficiency motors with IE2 motor with soft starters and with high/low level sensors.
• Use of ventilation fans with IE2 motors
• All pumps in STP will be high efficiency five star rated with level sensors.
• Mainly LED & CFL Lights along with energy efficient and BEE 5 STAR Rated fans/AC will be insisted.
• Provision of solar panels for water heating

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Overall Energy saving	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. 5.00 Lacs
	O & M cost:	Rs. 1.20 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	1.08
2	Air Environment	Air & Noise Quality Monitoring - On site sensors	12.50

3	Air Environment	Air & Noise Quality Monitoring - By outside MOEF Approved Laboratory	0.55
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	22.5

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	AIR 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 ENVIRONMENT	Cost for Ambient Air quality & Noise Monitoring - By outside MoEF & CC Approved Laboratory	*No set up cost is involved	0.11
3	AIR ENVIRONMENT	Cost for DG Stack Exhaust Monitoring - 1 DG stack	*No set up cost is involved	0.02
4	AIR ENVIRONMENT	Cost for Plantation - 1480.97 Sq.mt. of green area on ground and podium	8.15	1.20
5	WATER ENVIRONMENT	Cost for Waste water treatment - Cost for sewage Treatment Plant	25.65	10.76
6	WATER ENVIRONMENT	Cost for water & waste water Monitoring - On site sensors	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	Cost for Water Conservation (Rain Water Harvesting System) - Cost for RWH tank	8.00	0.40
9	WATER ENVIRONMENT	Cost for Water Conservation (Rain Water Harvesting System) - Cost for treatment unit for rain water tanks	6.00	0.02

10	WATER ENVIRONMENT	Cost for Water Conservation (Rain Water Harvesting System) - Cost for Rainwater Monitoring	*No set up cost is involved	0.09
11	LAND ENVIRONMENT	Solid Waste Management - Cost for Treatment of biodegradable garbage in OWC	9.00	1.18
12	LAND ENVIRONMENT	Solid Waste Management - Cost for monitoring of organic manure	*No set up cost is involved	0.04
13	ENERGY CONSERVATION	Cost for Energy Conservation - Cost for Solar system	5.00	1.20

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:	One entry and two exits.

Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	5 podia (Total Area : 7407.21 Sq.mt.)
	Total Parking area:	5486.20 Sq.mt.
	Area per car:	As per NBC
	Area per car:	As per NBC
	Number of 2-Wheelers as approved by competent authority:	Required - Nil, Provided - 35 Nos.
	Number of 4-Wheelers as approved by competent authority:	Required - 148 Nos. , Provision - 158 Nos.
	Public Transport:	NA
	Width of all Internal roads (m):	Minimum 6.00 mt.
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park: Approx.2.00 Km
	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.	Yes
	Date of online submission	05-03-2018

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

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

PP informed that, the project under consideration is *proposed Housing Project. PP further stated that, t*he total plot area of the project is 4,463.50 Sq.mt.having total construction area 22729.60 Sq.mt.(FSI - 8338.70 sq.mt +NON FSI- Total – 14390.90 sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
1 Building	Ground + 1st to 5th Podia + 6th to 35th Upper Floors	110.85 mt. (up to terrace level)

It is noted that the project earlier considered in 71th SEAC-2 Meeting held on 01-10-2018 & deferred as PP was absent

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

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) PP to submit the Hon. High court orders, circular which was quoted during meeting.

FINAL RECOMMENDATION

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

Agenda of 98th Day-2 SEAC-2 meeting held on 3rd -4th May, 2019

SEAC Meeting number: 98th)Day-2_ **Meeting Date** May 4, 2019

Subject: Environment Clearance for Proposed Vertical Expansion of Children Hospital at Lower Parel Division, Hornby Vellard Estate Scheme, Mumbai

Is a Violation Case: No

1.Name of Project	Proposed Vertical Expansion of Children Hospital at Lower Parel Division, Hornby Vellard Estate Scheme, Mumbai
2.Type of institution	Private
3.Name of Project Proponent	M/s. Society for Rehabilitation of Crippled Children
4.Name of Consultant	M/s. Ultra-Tech
5.Type of project	Vertical Expansion of Children Hospital
6.New project/expansion in existing project/modernization/diversification in existing project	Vertical Expansion of Children Hospital
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Received CRZ NOC dated 04.01.2007 and 23.11.2010. Received Occupancy certificate for Wing 1 dt. 25.09.2009; Received Part Occupancy certificate for Wing 2 dt. 18.2.2017
8.Location of the project	Plot bearing C.S. No. 5/47 (pt), 47(pt) of Lower Parel Division, Plot no. 10 Hornby Vellard Estate Scheme, Mumbai
9.Taluka	Mumbai
10.Village	Lower Parel
Correspondence Name:	M/s. Society for Rehabilitation of Crippled Children
Room Number:	--
Floor:	--
Building Name:	Society for Rehabilitation of Crippled Children, Children Orthopedic Hospital
Road/Street Name:	Plot No. 10
Locality:	Haji Ali
City:	Mumbai
11.Area of the project	Municipal Corporation of Greater Mumbai (M.C.G.M.)
12.IOD/IOA/Concession/Plan Approval Number	Amended IOD Plan Approval Number: EB/2130/GS/A dated 17.01.2018
	IOD/IOA/Concession/Plan Approval Number: Amended IOD Plan Approval Number: EB/2130/GS/A dated 17.01.2018
	Approved Built-up Area: 17723.07
13.Note on the initiated work (If applicable)	Total constructed work (FSI+ Non FSI): 19979.58 Sq. mt.; Received Occupancy certificate for Wing 1 dt. 25.09.2009; Received Part Occupancy certificate for Wing 2 dt. 18.2.2017
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	--
15.Total Plot Area (sq. m.)	7352.80 Sq. mt.
16.Deductions	--
17.Net Plot area	7352.80 Sq. mt.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 20254.17 Sq. mt.
	b) Non FSI area (sq. m.): 3230.93 Sq. mt.
	c) Total BUA area (sq. m.): 23485.10
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 17723.07 Sq. mt.
	Approved Non FSI area (sq. m.): 3230.93 Sq. mt.
	Date of Approval: 17-01-2018
19.Total ground coverage (m2)	4204.14 Sq. mt.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	57 %
21.Estimated cost of the project	1038800000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	1 Hospital Building with 2 Wings	--	--
2	Wing 1	Ground + 5 Floors	20.70 mt. (up to terrace level)
3	Wing 2	Basement + Ground + 1st to 3rd Floor + 4th (Pt) Floor	20.60 mt. (up to terrace level)

23.Number of tenants and shops	Wing 1: Rehabilitation center Wing 2: 233 Beds
24.Number of expected residents / users	Floating population - Wing 1: 278 Nos. Wing 2: 467 Nos.
25.Tenant density per hectare	--
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	18.30 mt. wide Kesharao Khadye Marg
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Average 8.00 mt.
29.Existing structure (s) if any	Wing 1: Occupied and Wing 2: Completed and Occupied up to 3rd floor
30.Details of the demolition with disposal (If applicable)	Not applicable

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	M.C.G.M./Tanker water
	Fresh water (CMD):	184 (Domestic: From M.C.G.M.= 146 and Cooling tower make up water: From tanker water = 38 KLD)
	Recycled water - Flushing (CMD):	171 (Flushing = 75 KLD And Cooling tower make up water = 96 KLD)
	Recycled water - Gardening (CMD):	2 KLD
	Swimming pool make up (Cum):	Not Applicable
	Total Water Requirement (CMD) :	357 KLD
	Fire fighting - Underground water tank(CMD):	304 Cum
	Fire fighting - Overhead water tank(CMD):	36 Cum
	Excess treated water	0
Wet season:	**Source of water**	M.C.G.M./Tanker water/ RWH tank
	Fresh water (CMD):	182 (Domestic: From M.C.G.M.= 146 and Cooling tower make up water: From tanker water = 36 KLD)
	Recycled water - Flushing (CMD):	173 (Flushing = 75 KLD And Cooling tower make up water = 98 KLD)
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	Not Applicable
	Total Water Requirement (CMD) :	355 KLD
	Fire fighting - Underground water tank(CMD):	304 Cum
	Fire fighting - Overhead water tank(CMD):	36 Cum
	Excess treated water	0
Details of Swimming pool (If any)	Not Applicable	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	2.0 mt. below ground level
	Size and no of RWH tank(s) and Quantity:	Rain Water Harvesting tank of capacity 138 KL for Wing 2
	Location of the RWH tank(s):	Basement
	Quantity of recharge pits:	Nil
	Size of recharge pits :	Not Applicable
	Budgetary allocation (Capital cost) :	Rs. 16.80 Lacs
	Budgetary allocation (O & M cost) :	Rs. 0.75 Lacs/annum
	Details of UGT tanks if any :	Wing 1: Underground Wing 2: Basement
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:	0.18 m3/sec
	Size of SWD:	450 mm dia with slope 1:300
Sewage and Waste water	**Sewage generation in KLD:**	192 KLD
	STP technology:	MBBR (Moving Bed Bio Reactor)
	Capacity of STP (CMD):	One STP of 200 KL
	Location & area of the STP:	Basement
	Budgetary allocation (Capital cost):	Rs. 38.50 Lacs
	Budgetary allocation (O & M cost):	Rs. 15.86 Lacs/annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	--
	Disposal of the construction waste debris:	Construction waste which shall be generated during construction activity shall be partly recycled and remaining shall be disposed to authorized landfill site with permission of M.C.G.M.
Waste generation in the operation Phase:	**Dry waste:**	45 kg/day
	Wet waste:	30 kg/day
	Hazardous waste:	5 kg/day
	Biomedical waste (If applicable):	88 kg/day
	STP Sludge (Dry sludge):	29 kg/day
	Others if any:	--

Mode of Disposal of waste:	**Dry waste:**	To Authorized recyclers
	Wet waste:	Treatment in Organic Waste Converter (OWC)
	Hazardous waste:	Agreement with SMS Envoclean Pvt. Ltd for disposal
	Biomedical waste (If applicable):	Agreement with SMS Envoclean Pvt. Ltd. for disposal as per Bio-Medical Waste Management Rules, 2016
	STP Sludge (Dry sludge):	Use as manure
	Others if any:	--
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	5 Sq. mt. Bio-medical waste storage, 10 Sq.mt. for other Municipal waste
	Area for machinery:	10 Sq.mt.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 5.20 Lacs
	O & M cost:	Rs. 3.08 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	--	--	--	--	--	--	--

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	D G Sets	--	--	--	--	--

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	1502.48 Sq. mt.
	No of trees to be cut :	Cut trees: 12 nos.
	Number of trees to be planted :	32 nos. of trees are already planted on site
	List of proposed native trees :	--
	Timeline for completion of plantation :	Already done

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

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

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

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

47.Energy

Power requirement:	**Source of power supply :**	Brihan Mumbai Electric Supply & Transport (BEST)
	During Construction Phase: (Demand Load)	--
	DG set as Power back-up during construction phase	As per requirement
	During Operation phase (Connected load):	4129 KW
	During Operation phase (Demand load):	1320 KW
	Transformer:	--
	DG set as Power back-up during operation phase:	2 D.G. Sets of capacity 750 kVA each
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

? Provision of fluorescent fittings
? Provision of LED lights
? Provision of Solar water heating system

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %

1	Total energy saving	23 %

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Sewage	STP	--
Solid waste	OWC	--

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 30.00 Lacs
	O & M cost:	Rs. 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	1.44
2	Air Environment	Air & Noise Quality Monitoring -By outside MoEF Approved Laboratory	0.44
3	Air Environment	Air & Noise Quality Monitoring -Sensors for Air quality & Noise level monitoring	11.00
4	Water Environment	Drinking water analysis	0.06
5	Land Environment	Site Sanitation	5.00
6	Health & Hygiene	Disinfection- Pest Control	2.40
7	Health & Hygiene	Health Check Up of workers	1.80
8	Disaster Management	--	10.00

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	AIR & NOISE ENVIRONMENT	Cost for 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 Ambient Air quality & Noise Monitoring - On site sensors	No set up cost is involved as already considered Construction Phase	0.50
3	AIR & NOISE ENVIRONMENT	Cost for DG Stack Exhaust Monitoring	No set up cost is involved	0.10
4	AIR & NOISE ENVIRONMENT	Cost for Plantation	3.00	0.25
5	WATER ENVIRONMENT	Cost for Sewage Treatment Plant	38.50	6.00

6	WATER ENVIRONMENT	Cost for water & waste water Monitoring - By outside MoEF & CC Approved Laboratory	No set up cost is involved	9.86
7	WATER ENVIRONMENT	Cost for RWH tanks	13.80	0.69
8	WATER ENVIRONMENT	Cost for Rainwater Monitoring	No set up cost is involved	0.05
9	LAND ENVIRONMENT	Cost for Treatment of biodegradable garbage	5.20	3.00
10	LAND ENVIRONMENT	Cost for Monitoring of OWC manure	No set up cost is involved	0.08
11	ENERGY CONSERVATION	Use of renewable energy - Solar system	30.00	0.24
12	DISASTER MANAGEMENT	--	205.00	112.50

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	One entry and exit

Parking details:	**Number and area of basement:**	One Basement
	Number and area of podia:	Not Applicable
	Total Parking area:	2900.00 Sq. mt.
	Area per car:	--
	Area per car:	--
	Number of 2-Wheelers as approved by competent authority:	Not Applicable
	Number of 4-Wheelers as approved by competent authority:	138 Nos. (Including Ambulance and Handicapped parking (2 nos.)
	Public Transport:	Ambulance and Handicapped parking
	Width of all Internal roads (m):	Minimum 6.00 mt.
	CRZ/ RRZ clearance obtain, if any:	Received CRZ NOC dated 04.01.2007 and 23.11.2010 (CRZ NOC attached as Enclosure in Forms)
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Arabian Sea: 60 mt.
	Category as per schedule of EIA Notification sheet	Category 8 (a)
	Court cases pending if any	Nil
	Other Relevant Informations	--
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	23-05-2018

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. Sabu Mathu was present during the meeting along with environmental consultant M/s. Ultra-Tech.

PP informed that, the project under consideration is vertical expansion of Children hospital *Project. PP further stated that, t*he total plot area of the project is 7352.80Sq.mt.having total construction area 23485.10 Sq.mt.(FSI - 20254.17sq.mt +NON FSI- Total – 3230.93 sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
1 Hospital Building with 2 Wings	--	--
Wing 1	Ground + 5 Floors	20.70 (up to terrace level)
Wing 2	Basement + Ground + 1st to 3rd Floor + 4th (Pt) Floor	20.60 (up to terrace level)

It is noted that the project earlier considered in 78th SEAC-2 Meeting held on 17-11-2018 & deferred as PP was absent.

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

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) PP to submit the detail chronology & explanatory note regarding the proposal along with all supporting documents.
2) PP to submit the dated Architect certificate addressed to committee regarding building-wise construction done on site as per earlier EC.
3) PP to submit the IOD, Building Plan & OC of constructed buildings and also submit the IOD for proposed expansion.
4) Committee noted that the CRZ NoC obtained was of 2010, the validity of the same has been expired, PP to obtain the CRZ NoC.
5) Committee noted that, the application for EC is by Society for Rehabilitation of Crippled Children but PESO & other NoC taken by Narayana Hrudayalaya Ltd. PP to explain the same.
6) PP to submit & upload the design & cross section of STPs indicating 40% area open to sky for adequate ventilation.
7) PP to provide additional 2 emergency gate opening to Lala Lajpat Marg.
8) PP to submit the Hon. High court orders, circular which was quoted during meeting.

FINAL RECOMMENDATION

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

Agenda of 98th Day-2 SEAC-2 meeting held on 3rd -4th May, 2019

SEAC Meeting number: 98th)Day-2_ **Meeting Date** May 4, 2019

Subject: Environment Clearance for Residential cum Commercial project at Old S.No. 92 and S.No. 260pt New 12pt S.No. 85/5pt, Mahajanwadi, Tal. Bhayandar 401107, by M/s. Man Vastucon LLP.

Is a Violation Case: No

1.Name of Project	AARADHYA HIGH PARK
2.Type of institution	Private
3.Name of Project Proponent	M/s. Man Vastucon LLP
4.Name of Consultant	Enviro Analysts & Engineers Pvt. Ltd.
5.Type of project	Residential cum Commercial project
6.New project/expansion in existing project/modernization/diversification in existing project	New
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No
8.Location of the project	Old S.No. 92 and S.No. 260pt New 12pt S.No. 85/5pt
9.Taluka	Bhayandar
10.Village	Mahajanwadi
Correspondence Name:	M/s. Man Vastucon LLP
Room Number:	-
Floor:	12th Floor
Building Name:	Krushal Commercial Complex
Road/Street Name:	Ghatkopar Mahul Road
Locality:	Chembur West
City:	Mumbai, Maharashtra 400089
11.Area of the project	MBMC
12.IOD/IOA/Concession/Plan Approval Number	CC received. Date: 30/11/2018
	IOD/IOA/Concession/Plan Approval Number: C.C. Number MB/MNP/NR/5024/2018-19. Date: 30/11/2018
	Approved Built-up Area: 48988.19
13.Note on the initiated work (If applicable)	0
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	No
15.Total Plot Area (sq. m.)	71651.00
16.Deductions	16388.06 sqm (DP Road, AOS, Encroachment)
17.Net Plot area	55262.94 sqm
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 73249.84
	b) Non FSI area (sq. m.): 89500.76
	c) Total BUA area (sq. m.): 162750.60
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 48988.19
	Approved Non FSI area (sq. m.): 76711.51
	Date of Approval: 30-11-2018
19.Total ground coverage (m2)	10094.94
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	18.27 %
21.Estimated cost of the project	5505500000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Phase I: Tower A, B, C, D, E, F	2 Basements + Ground + 1 Podium + Top Podium + 30 Upper Floors	101.70 m
2	Phase I: Building G	Stilt + 3 Upper Floor	12.0 m
3	Phase I: Building H	Ground Floor + 1 Upper Floor	7.65 m
4	Phase I: Building I	Ground Floor + 4pt	15.0 m
5	Phase I: Building J	1 Basement + Ground Floor + 3pt	14.95 m

23.Number of tenants and shops	Tenants: 1240 no's Shops: 40 no's
24.Number of expected residents / users	6383 no's
25.Tenant density per hectare	178 per hectare
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	30 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 min.
29.Existing structure (s) if any	Electrical Substation to be retained
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**	MBMC, Recycled water from STP and RWH
	Fresh water (CMD):	559
	Recycled water - Flushing (CMD):	281
	Recycled water - Gardening (CMD):	39
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	879
	Fire fighting - Underground water tank(CMD):	900
	Fire fighting - Overhead water tank(CMD):	180
	Excess treated water	385 KLD
Wet season:	**Source of water**	MBMC, Recycled water from STP
	Fresh water (CMD):	559
	Recycled water - Flushing (CMD):	281
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	840
	Fire fighting - Underground water tank(CMD):	900
	Fire fighting - Overhead water tank(CMD):	180
	Excess treated water	424 KLD
Details of Swimming pool (If any)	-	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	12 m
	Size and no of RWH tank(s) and Quantity:	Total Storage Capacity: 315 KLD and Total No. of tanks: 6 no's.
	Location of the RWH tank(s):	1st basement Level
	Quantity of recharge pits:	0
	Size of recharge pits :	0
	Budgetary allocation (Capital cost) :	Rs. 25 Lakh
	Budgetary allocation (O & M cost) :	Rs. 3 lakh/ annum
	Details of UGT tanks if any :	12 no's of Domestic Water Tanks. Total tank Capacity: 590 cum 2 no's of Firefighting Water Tanks. Total tank Capacity: 900 cum 6 no's of Flushing Water Tanks. Total tank Capacity: 295 cum 6 no's of Rain Water Harvesting Tanks. Total tank Capacity: 315 cum
35.Storm water drainage	**Natural water drainage pattern:**	East to West
	Quantity of storm water:	3.6 m3/sec
	Size of SWD:	0.6m × 0.9m
Sewage and Waste water	**Sewage generation in KLD:**	785
	STP technology:	MBBR
	Capacity of STP (CMD):	No. of STP: 1 no. Total Capacity for Phase1: 800 KLD
	Location & area of the STP:	Location: Ground Level. Area for Phase 1: 668.10 sqm
	Budgetary allocation (Capital cost):	Rs. 75 lakh
	Budgetary allocation (O & M cost):	Rs. 10 lakh/annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Excavated Material, Top Soil Material, Road Filling Material
	Disposal of the construction waste debris:	It will be reused
Waste generation in the operation Phase:	**Dry waste:**	1272 Kg per day
	Wet waste:	1874 kg per day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	39 kg per day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Recycling process
	Wet waste:	OWC
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	shall be used as landscaping
	Others if any:	NA
Area requirement:	**Location(s):**	Ground level
	Area for the storage of waste & other material:	112 sqm
	Area for machinery:	10 sqm
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 16 Lakh
	O & M cost:	Rs. 4 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 :**	Proposed RG area on ground: 8418.82 Sq.m
	No of trees to be cut :	50 no's
	Number of trees to be planted :	313 no’s
	List of proposed native trees :	As listed below
	Timeline for completion of plantation :	Approximately 7 years

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadirachta indica	Neem	17 no's	Helps to prevent Soil erosion, Effective shade tree.
2	Bauhinia purpurea	Purple Orchid, Kanchan	25 no's	Medium sized, Ornamental Tree, Scented flowers
3	Bauhinia blakeana	Hong Kong Orchid	7 no's	Medium sized, Ornamental Tree, Scented flowers
4	Butea Monosperma	Palash	20 no's	Medium sized deciduous tree ,Butterfly host plant
5	Delonix regia	Gulmohar	25 no's	Medium sized deciduous Tree, Medicinal uses
6	Lagerstromia Indica	Pride of India	3 no's	Medium sized deciduous tree & ornamental
7	Mimusops elengi	Bakul tree	42 no's	Large sized deciduous Tree, Ornamental uses
8	-	-	-	-
9	-	-	-	-
10	-	-	-	-
11	-	-	-	-
12	-	-	-	-
13	-	-	-	-
14	-	-	-	-
15	-	-	-	-
16	-	-	-	-
17	-	-	-	-
18	-	-	-	-
19	-	-	-	-
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	Bauhinia purpurea	3m	-
2	Cassla flstusa	2.5m	-
3	Mllngtonla hortensis	2m	-
4	Murraya koenlgl	2.5m	-

5	Nyclanthus Arborla	2.5m	-
6	Saraca indica	2.5m	-
7	Schefflera actlnophyla	2m	-
8	Tamrindus indica	4.2m	-
9	Tabebula impetlglnosa	2m	-
10	Termlnalla mantaly	3m	-
11	Areca catacheu	3m	-
12	-	-	-

47.Energy

Power requirement:	**Source of power supply :**	Maharashtra State Electricity Distribution Company Limited
	During Construction Phase: (Demand Load)	500 kVA
	DG set as Power back-up during construction phase	125 kVA
	During Operation phase (Connected load):	15309 kW
	During Operation phase (Demand load):	4986 kW
	Transformer:	4 no's
	DG set as Power back-up during operation phase:	2 no's . 750 kVA.
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

- Common area lighting, street lighting and landscape lighting on LED
- Use of electronic ballast instead of copper ballast
- Providing timers for common area lighting
- Use of hydro- pneumatic pumping system/ventilation & lifts with VFD drives and soft starter
- Use of BEE star rated pumps
- Use of APFC panels
- Use of solar water heater panels and solar PV panels

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total % Savings	22.30 %
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:**	Rs. 64 lakh
	O & M cost:	Rs. 2.5 lakh/ annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water Sprinkling, Green Belt Development, Covered storage area	Rs. 2.50 Lakh
2	Noise Environment	Noise Barricades and Green Belt Developments	Rs. 2.00 Lakh
3	Water Environment	Modular STP, Drainage with sedimentation tanks	Rs. 3.00 Lakh
4	Good Health Practices	Site Sanitation & Health Care	Rs. 1.50 Lakh
5	Environment Monitoring	Air, water, noise soil monitoring during construction phase	Rs. 3.50 Lakh

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Rain Water Harvesting	RHW tanks	Rs. 25 lakh	Rs. 3.0 lakh / year
2	Solid waste management	OWC	Rs. 16 lakh	Rs. 4.0 lakh/ year
3	Waste water management	STP	Rs. 75 lakh	Rs. 10.0 lakh / year
4	Renewable Energy and saving measures	Solar	Rs. 64 lakh	Rs. 2.5 lakh / year
5	Landscaping	Greenbelt	Rs. 150 lakh	Rs. 3.0 lakh/ year

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1 no of entry/exit
Parking details:	**Number and area of basement:**	Basement Nos: 2 no's and Total Area: 15270.56 sqm
	Number and area of podia:	Podium Nos: Stilt + 1 Podium and Total Area: 10848.27 sqm
	Total Parking area:	26118.83 sqm
	Area per car:	26 sqm
	Area per car:	26 sqm
	Number of 2-Wheelers as approved by competent authority:	63 no’s
	Number of 4-Wheelers as approved by competent authority:	1020 no's
	Public Transport:	Nil
	Width of all Internal roads (m):	30 m internal road
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park boundary: 100 meters as per ESZ notification dated: 05/12/2016
	Category as per schedule of EIA Notification sheet	8 (b)
	Court cases pending if any	NA
	Other Relevant Informations	The project received its Terms of Reference (ToR) for all Phases development i.e. Phase I, Phase II and Phase III during the 71st SEAC-2 meeting held on, 1st October 2018 at Mumbai, Maharashtra. Now, EIA is proposed for Phase I only.
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

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

PP informed that, the project under consideration is *proposed new residential cum Commercial project. PP further stated that, t*he total plot area of the project is 71651.00 Sq.mt. having total construction area 162750.60Sq.mt. (FSI- 73249.84 sq.mt + NON FSI- 89500.76 sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Phase I: Tower A, B, C, D, E, F	2 Basements + Ground + 1 Podium + Top Podium + 30 Upper Floors	101.70 m
Phase I: Building G	Stilt + 3 Upper Floor	12.0 m
Phase I: Building H	Ground Floor + 1 Upper Floor	7.65 m
Phase I: Building I	Ground Floor + 4pt	15.0 m
Phase I: Building J	1 Basement + Ground Floor + 3pt	1. 95.

It is noted that the project earlier considered in 96th Meeting held on 26/04/2019 and deferred with observation like 1) to superimpose layout plan of project on ESZ map of Sanjay Gandhi National park & submit the same. 2) to clarify Why he has submitted the letter related to different PP i.e. M/S Conwood Construction & Developers Pvt.Ltd., Survey No 92, 85/5 are common in both project proposal. so who is the owner of the said survey numbers, The proposal under name “Aaradhya Arham” is the same project which was under consideration or otherwise. & Details regarding status of survey no. 92 from competent forest Authority. 3) to submit ESZ NoC.

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

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) PP to submit the ESZ NoC.
2) PP to submit the Hon. supreme court order dated 30/1/2014 in civil application no 11640 of 2008 & other companion appeals no 1102/2014,1112/2014 & IA no 64,65, 66/2012
3) PP to submit the details of EC in aspects of Survey No 92 as granted to PP named M/S Conwood on 10/7/2015
4) PP to submit the clear remark of competent forest authority regarding the status of survey no 92 (Whether "Forest" entry of the survey is deleted or not as submitted by M/S Conwood.)

FINAL RECOMMENDATION

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