Agenda of 102nd Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 102 **Meeting Date** June 11, 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.Whether in Corporation / Municipal / other area	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 Mr. Maulik Sheth 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 further stated that, t*he total plot area of the project is 59430.30 Sq. M. Land Area Under consideration – 27221.45 Sq.mt. having total construction area 247541.08 Sq.mt(FSI - 115994.35 sq.mt +NON FSI- 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 Wing C – 171.45
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 Wing C - 171.45

It is noted that, Project has received Environmental clearance vide letter dated 08/12/2017 from local planning authority.

Committee noted that, PP & Environmental Consultant have not listed and included the existing structures and their built up area in EIA & consolidated statement while applying for ToR earlier. ***Therefore the project is deferred & only considered after***

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 102nd Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 102 **Meeting Date** June 11, 2019

Subject: Environment Clearance for Proposed Integrated Bus Terminus cum Commercial Complex Project On Plot No. 3, Sector 9A, Vashi, Navi Mumbai, Dist. Thane by M/s. Navi Mumbai Municipal Transport.

Is a Violation Case: No

1.Name of Project	Proposed Integrated Bus Terminus cum Commercial Complex
2.Type of institution	Government
3.Name of Project Proponent	M/s. Navi Mumbai Municipal Transport.
4.Name of Consultant	Building Environment India Pvt. Ltd
5.Type of project	Integrated Bus Terminus cum Commercial Complex
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	Proposed Integrated Bus Terminus cum Commercial Complex Project On Plot No. 3, Sector 9A, Vashi, Navi Mumbai, Dist. Thane.
9.Taluka	Vashi
10.Village	Vashi
Correspondence Name:	M/s. Navi Mumbai Municipal Transport.
Room Number:	--
Floor:	8th Floor
Building Name:	Belapur Bhavan
Road/Street Name:	Sector 11
Locality:	C.B.D. Belapur
City:	Navi Mumbai
11.Whether in Corporation / Municipal / other area	Navi Mumbai Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Letter of Intent (LOI) received from NMMC bearing Ref. No. NMMC/TPO/ADTP/3881/2018 dt. 27/09/2018
	IOD/IOA/Concession/Plan Approval Number: Letter of Intent (LOI) received from NMMC bearing Ref. No. NMMC/TPO/ADTP/3881/2018 dt. 27/09/2018
	Approved Built-up Area: 15560.00
13.Note on the initiated work (If applicable)	Not Applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Letter of Intent (LOI) received from NMMC bearing Ref. No. NMMC/TPO/ADTP/3881/2018 dt. 27/09/2018
15.Total Plot Area (sq. m.)	10373.42 Sq.m
16.Deductions	Nil
17.Net Plot area	10373.42 Sq.m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 15,560.13 Sq.m
	b) Non FSI area (sq. m.): 32,280.09 Sq.m
	c) Total BUA area (sq. m.): 47840
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 15,560.13 Sq.m
	Approved Non FSI area (sq. m.): 32,280.09 Sq.m
	Date of Approval: 27-09-2018
19.Total ground coverage (m2)	4632.93 Sq.m
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	44.66 %
21.Estimated cost of the project	1500000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	1	Ground (Shop)+1st Floor (Partial Shop & Partial Parking) +2nd, 3rd, 4th Podium Parking+ 5th Floor Restaurant & RG + 6th to 18th Office Floors+ 19th Fire check Floors+20th & 21st Office Floors	84.41 M

23.Number of tenants and shops	No. of Shops = 7 nos. No. of Restaurant = 6 nos. No. of Offices = 75 nos. Total: 88 nos.
24.Number of expected residents / users	Shops, Offices & Restaurant : 2150 Nos & Floating Population : 995 Nos. Total : 3145 Nos.
25.Tenant density per hectare	84.83 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)	32 M wide Road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	More than 9 M
29.Existing structure (s) if any	There are structures on site which is to be demolished.
30.Details of the demolition with disposal (If applicable)	Demolished brick materials to be use for plinth filling

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	NMMC
	Fresh water (CMD):	93 KLD
	Recycled water - Flushing (CMD):	44 KLD
	Recycled water - Gardening (CMD):	1.8 KLD
	Swimming pool make up (Cum):	--
	Total Water Requirement (CMD) :	138.8
	Fire fighting - Underground water tank(CMD):	--
	Fire fighting - Overhead water tank(CMD):	-
	Excess treated water	66.40 KLD
Wet season:	**Source of water**	NMMC
	Fresh water (CMD):	93 KLD
	Recycled water - Flushing (CMD):	44 KLD
	Recycled water - Gardening (CMD):	--
	Swimming pool make up (Cum):	--
	Total Water Requirement (CMD) :	137 KLD
	Fire fighting - Underground water tank(CMD):	--
	Fire fighting - Overhead water tank(CMD):	--
	Excess treated water	68.20 KLD
Details of Swimming pool (If any)	Not applicable	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	0.5 – 6.0 M below ground level
	Size and no of RWH tank(s) and Quantity:	Not applicable
	Location of the RWH tank(s):	Not applicable
	Quantity of recharge pits:	Not applicable
	Size of recharge pits :	Not applicable
	Budgetary allocation (Capital cost) :	Not applicable
	Budgetary allocation (O & M cost) :	Not applicable
	Details of UGT tanks if any :	Underground Level
35.Storm water drainage	**Natural water drainage pattern:**	The arrangement for disposal of SW through and from the plot as per the remarks of SW department, NMMC
	Quantity of storm water:	0.29 m3/sec
	Size of SWD:	600mm wide with1:300 slope
Sewage and Waste water	**Sewage generation in KLD:**	118 KLD
	STP technology:	RMBR technology
	Capacity of STP (CMD):	1 no. of STP of capacity 120.0 KLD
	Location & area of the STP:	Ground level
	Budgetary allocation (Capital cost):	45 Lacs
	Budgetary allocation (O & M cost):	5.0 Lacs / year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Debris & excavated material generated would be disposed by covered trucks to the authorized sites with permission from NMMC.
	Disposal of the construction waste debris:	Construction debris would be disposed of by covered trucks to the authorized sites with the permission of NMMC.
Waste generation in the operation Phase:	**Dry waste:**	519.33 kg/day
	Wet waste:	222.57 kg/day
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	3.54 (3% of STP capacity)
	Others if any:	Not applicable

Mode of Disposal of waste:	**Dry waste:**	Handed over to NMMC.
	Wet waste:	shall be processed in OWC to use as manure in premises for plants, excess shall be sold /handover to outside parties.
	Hazardous waste:	Shall be handed over to authorized common hazardous waste disposal site
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Used as manure within the premises for plants. Excess shall be sold /handover to outside parties or gardens.
	Others if any:	Not applicable
Area requirement:	**Location(s):**	2nd Floor.
	Area for the storage of waste & other material:	49 sq.mt
	Area for machinery:	9 Sqm
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	16 lakhs
	O & M cost:	5 Lakhs

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

42.Mode of Transportation of fuel to site	Not applicable

43.Green Belt Development	**Total RG area :**	Ground (sq. m.): 527 Sq.mt. Podium (sq. m.): 3018.82 Sq.mt.
	No of trees to be cut :	27 to be cut
	Number of trees to be planted :	104 nos
	List of proposed native trees :	Raintree, Pipal, Kejeliya, Karanj, Neem & Peltophorum
	Timeline for completion of plantation :	3 Years

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Albizia saman	Raintree	6	flowering tree in the pea family
2	Ficus religiosa	Pipal	3	It is also known as the bodhi tree
3	Kigelia Africana	Kejeliya	1	Kigelia is a genus of flowering plants. The Kigelia grows a fruit that is up to 2 feet long, weighs about 15 lbs, and looks like sausage.
4	Millettia pinnata	Karanj	2	Karanja, karanj, pongam, Indian beech, Pongamia tree
5	Azadirachta indica	Neem	1	Azadirachta indica, commonly known as neem, nimtree or Indian lilac, is a tree in the mahogany family Meliaceae.
6	Peltophorum pterocarpum	Peltophorum	89	Peltophorum ferrugineum. Copper Pod Tree ,Pivla Gulmohar. Big tree that grows to a height up to 30 m. The flowers are borne in terminal spikes.
7	--	Total	104	--
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEB
	During Construction Phase: (Demand Load)	---
	DG set as Power back-up during construction phase	---
	During Operation phase (Connected load):	3,563.57KW
	During Operation phase (Demand load):	2,649.74KW
	Transformer:	--
	DG set as Power back-up during operation phase:	1No, D.G. set of capacity 450 KVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	Not applicable

48.Energy saving by non-conventional method:

• Energy efficient lifts
• Energy efficient pumps/ Equipment for fire- fighting, plumbing, STP & OWC.
• L.E.D for common lighting

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	• Energy efficient lifts • Energy efficient pumps/ Equipment for fire- fighting, plumbing, STP & OWC. • L.E.D for common lighting	Overall Energy Saving is more than 3% on Total Demand load. Solar PV Electricity Generation 80KW and total demand load 2,649.74KW

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:**	68 Lacs
	O & M cost:	7 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	1	Water for Dust Suppression	2.0
2	1	Site As per ECBC Sanitation Facility, Disinfection & Health Check up	35.60

3	1	Environmental Monitoring	1.50
4	--	Total Cost	39.1

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	1	STP	45.00	5.0
2	1	Solid Waste Management	16.00	5.0
3	1	Gardening & Landscaping	15.43	4.48
4	1	Solar Panel	68.00	7.00
5	1	DMP	228.12	22.55
6	1	Environmental Monitoring	MOEF approved agency for monitoring	16.39
7	--	Total	372.55	60.42

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

Parking details:	**Number and area of basement:**	Not applicable
	Number and area of podia:	4 Nos. of Podium & Area (including driveway, ramp) : 14800.98 Sq.mt
	Total Parking area:	14800.98 Sq.mt
	Area per car:	12.5 Sq.m
	Area per car:	12.5 Sq.m
	Number of 2-Wheelers as approved by competent authority:	43 Nos.
	Number of 4-Wheelers as approved by competent authority:	420 Nos.
	Public Transport:	Bus stops 13nos + 4nos
	Width of all Internal roads (m):	More Than 9 M
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	Category B2 of Projects and activity number 8(a) – Building & Construction Projects
	Court cases pending if any	Not Applicable
	Other Relevant Informations	---
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

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

PP informed that, the project under consideration is new *integrated bus terminus cum commercial complex project. PP further stated that, t*he total plot area of the project is 10373.42Sq.mt. having total construction area 47840 Sq.mt. (FSI - 15,560.13 sq.mt + NON FSI- 32,280.09 sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
1	Ground (Shop)+1st Floor (Partial Shop & Partial Parking) +2nd, 3rd, 4th Podium Parking+ 5th Floor Restaurant & RG + 6th to 18th Office Floors+ 19th Fire check Floors+20th & 21st Office Floors	84.41 M

It is noted that the project earlier considered in 97th SEAC-2 (Day-2) Meeting held on 25-04-2019 & deferred with observations 1) to ensure that RG proposed on podium should have the soil cover of 3mt with appropriate plantation. 2) to submit the CRZ status of the plot by demarcating plot boundary on approved CZMP maps of the area. 3) to verify the distance of project site from Flamingo Sanctuary & to submit & upload the same. Accordingly, PP submitted the compliance which was taken on record.

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

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) 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.
2) PP to explore the possibility to buy electric buses under CER activity.

FINAL RECOMMENDATION

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

Agenda of 102nd Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 102 **Meeting Date** June 11, 2019

Subject: Environment Clearance for Proposed Police staff quarters residence on plot bearing CTS no. 4,4/1,4/2, 4/3 of village Marol at Andheri (E),Mumbai

Is a Violation Case: No

1.Name of Project	Proposed Police staff quarters residence on plot bearing CTS no. 4,4/1,4/2, 4/3 of village Marol at Andheri (E),Mumbai
2.Type of institution	Government
3.Name of Project Proponent	Maharashtra State Police housing & Welfare Corpn. Ltd.
4.Name of Consultant	M/s. Fine Envirotech Engineers
5.Type of project	Housing and Police staff quarters residence for Mumbai police
6.New project/expansion in existing project/modernization/diversification in existing project	---
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	---
8.Location of the project	CTS no. 4,4/1,4/2, 4/3 of village Marol at Andheri, Mumbai
9.Taluka	Andheri
10.Village	Marol
Correspondence Name:	Maharashtra State Police housing & Welfare Corpn. Ltd.
Room Number:	89-89A
Floor:	building
Building Name:	Maharashtra State Police Housing
Road/Street Name:	Sir Pochkhanwala road
Locality:	Near Police Officers Mess
City:	Worli
11.Whether in Corporation / Municipal / other area	Municipal Corporation of Greater Mumbai (MCGM)
12.IOD/IOA/Concession/Plan Approval Number	For Proposed Building application submitted vide letter no. as under - 1) Ref. no. PHC/729/CNA/448/Marol/Arch/066/16 dated 21st October2017
	IOD/IOA/Concession/Plan Approval Number: For Proposed Building application submitted vide letter no. as under - 1) Ref. no. PHC/729/CNA/448/Marol/Arch/066/16 dated 21st October2017
	Approved Built-up Area: 35345.44
13.Note on the initiated work (If applicable)	---
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	---
15.Total Plot Area (sq. m.)	Total plot area - 244939.6
16.Deductions	51433.86 sqm
17.Net Plot area	183292.64
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** Proposed - 35345.44
	b) Non FSI area (sq. m.): -----
	c) Total BUA area (sq. m.): 35345.44
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)	24081.30 sqm
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	13.138%
21.Estimated cost of the project	1800000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Proposed Building - Type II Quarters-16 nos	ST+ 7	23.35
2	EXISTING BUILDING DETAILS	--	--
3	Police Training School	C+ 4	----
4	Constable 27 bldgs	C+ 2, C+3, C+ 4	----
5	Police officer 18 bldgs	C+ 4	----
6	Amenities	Gr	----

23.Number of tenants and shops	Proposed 448 nos
24.Number of expected residents / users	Proposed 2240 nos
25.Tenant density per hectare	395 per hector (Existing 1000 flats & Proposed 448 flats)
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	12 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	----
30.Details of the demolition with disposal (If applicable)	Not Applicable

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	Municipal line
	Fresh water (CMD):	201
	Recycled water - Flushing (CMD):	101
	Recycled water - Gardening (CMD):	23
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	302
	Fire fighting - Underground water tank(CMD):	---
	Fire fighting - Overhead water tank(CMD):	30 KLD in each building
	Excess treated water	77
Wet season:	**Source of water**	Municipal line
	Fresh water (CMD):	201
	Recycled water - Flushing (CMD):	101
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	302
	Fire fighting - Underground water tank(CMD):	---
	Fire fighting - Overhead water tank(CMD):	30 KLD in each building
	Excess treated water	101
Details of Swimming pool (If any)	Not applicable	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	2 meters
	Size and no of RWH tank(s) and Quantity:	133 KLD 1 nos
	Location of the RWH tank(s):	In the RG area
	Quantity of recharge pits:	---
	Size of recharge pits :	---
	Budgetary allocation (Capital cost) :	10 Lakh
	Budgetary allocation (O & M cost) :	2 Lakh
	Details of UGT tanks if any :	Flushing water tank of 133 cum each- 1 no's Domestic water tank of 133 cum each- 2 no's Rain water harvesting tank of 133 cum-1 no's
35.Storm water drainage	**Natural water drainage pattern:**	1:250 slope
	Quantity of storm water:	0.64 m3/sec
	Size of SWD:	size of SWD- (0.45M width X 0.60m average depth) running channel along the roads
Sewage and Waste water	**Sewage generation in KLD:**	257 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	1 STP of capacity 365 KLD
	Location & area of the STP:	Near building 16
	Budgetary allocation (Capital cost):	50 Lakh
	Budgetary allocation (O & M cost):	10 Lakh
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Waste generated during construction will be in the form of construction debris and during operation domestic waste will be generated
	Disposal of the construction waste debris:	Solid waste generation during construction phase is debris in the form of rubble and soil. Part of this soil and rubble will be used for leveling (if suitable) and remaining material will be disposed by authorized contractor as per rules and debris management
Waste generation in the operation Phase:	**Dry waste:**	448 kg/day
	Wet waste:	672 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	8
	Others if any:	----

Mode of Disposal of waste:	**Dry waste:**	Will be given to authorized contractor
	Wet waste:	will be compost
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Composting
	Others if any:	NA
Area requirement:	**Location(s):**	At ground
	Area for the storage of waste & other material:	95 sq. m.
	Area for machinery:	50 sq. m.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	25 Lakhs
	O & M cost:	8 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 :**	4538
	No of trees to be cut :	---
	Number of trees to be planted :	230 nos
	List of proposed native trees :	Sita Ashok, Bhava , Karanj , Bakul , Neem , Mango , Kadam ,Apta , Kunti , Shivan , Putranjiva , Nandruk , Siris.
	Timeline for completion of plantation :	One year after grant of EC

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	Saracaasoka	Sita Ashok	20	Shady tree with red-yellow flowers.
2	Cassia fistula	Bhava	30	Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plant
3	Pongamiapinnata	Karanj	10	Shady tree
4	Mimusopselengi	Bakul	20	Shady tree, small white fragrant flowers
5	Azadiractaindica	Neem	20	Large tree, good for roadside plantation
6	Magniferaindica	Mango	5	Fruit bearing tree, Bird attracting
7	Anthocephaluscadamba	Kadam	5	Shady, large tree, ball shaped flowers
8	Bauhinia racemosa	Apta	30	Small tree with small white flowers, Butterfly host plant
9	MurrayaPaniculata	Kunti	30	Small tree, Fragrant white flowers, Butterfly host plant
10	Gmelia Arborea	Shivan	20	fast-growing deciduous tree
11	Putranjiva Roxburghii	Putranjiva	30	Putranjiva is a famous, moderate-sized, evergreen tree
12	Ficus Retusa	Nandruk	10	Evergreen shade tree & indigenous fruit
13	Albizzia Lebbeck	Siris	10	Large tree which grows over 20 meters high
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	---
	During Operation phase (Connected load):	5998.08 KW
	During Operation phase (Demand load):	3629.41 KW
	Transformer:	3 NOS 1250 KVA Transformer.
	DG set as Power back-up during operation phase:	NA
	Fuel used:	NA
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Using CFL/T5 Lamps for common areas
Using LED Light in Lift lobby
Using electronic ballast Using VFD for lifts
Using Solar Lighting for external light

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	By Using CFL / T5 Lamps for common areas	Overall Saving can be 37%
2	By Using LED Light in Lift lobby	Overall Saving can be 50%
3	By Using electonic ballast	Overall Saving can be 25%
4	By Using VFD for Lifts	Overall Saving can be 30%
5	By Using Solar lighting for External Light	Overall Saving can be 100%

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:**	55 Lakhs
	O & M cost:	3 Lakhs

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Site Safety	Barricading	2
2	Water for Dust Suppression	----	2

3	Ambient air quality monitoring	Ambient air quality monitoring	3
4	Water tanker for construction	---	4
5	Drinking water analysis	---	2
6	Site Sanitation	---	2
7	Set up of Gardening	---	2
8	Health Check up of Workers	---	2
9	First Aid Facilities	First Aid Box etc.	2
10	Personal Protective Equipment	Ear Plugs,gloves etc.	3

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Environmental Monitoring	Air, Noise, Water, Biological	---	12
2	Waste water Treatment	1 STP	50	10
3	Rain Water Harvesting System	---	8	1.5
4	Green Belt Development	Tree plantation	10	2
5	Solid waste management	OWC, Manpower, Colored Dustbins	25	8
6	Energy Saving Measures	---	55	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:	Seperate Entry and Exit Will be Provided

Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	In stilt - 1760 sqm, In open space - 5205 sqm = total = 6965sqm
	Area per car:	13.75 sq.mt. for big car , 10.35 sq.mt. for small car
	Area per car:	13.75 sq.mt. for big car , 10.35 sq.mt. for small car
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	560
	Public Transport:	NA
	Width of all Internal roads (m):	9 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8a
	Court cases pending if any	NA
	Other Relevant Informations	------
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

PP was absent; hence the project is deferred.

DECISION OF SEAC

PP was absent; hence the project is deferred.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

Agenda of 102nd Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 102 **Meeting Date** June 11, 2019

Subject: Environment Clearance for Expansion of Proposed Residential tower building, Multi Storied Public Parking Lot building, Commercial Building & Residential Building on Plot bearing CS No 2/1629 & 1A/1629 Of Lower Parel division, Plot No 249 & 249 A, 248B of Worli estate scheme no 52, Worli Mumbai by M/s K Raheja Pvt. Ltd

Is a Violation Case: No

1.Name of Project	Expansion of Proposed Residential tower building, Multi Storied Public Parking Lot building, Commercial Building & Residential Building
2.Type of institution	Private
3.Name of Project Proponent	M/s K Raheja Pvt. Ltd
4.Name of Consultant	M/s. Enviro Analysts & Engineers Pvt. Ltd
5.Type of project	Expansion of Proposed Residential tower building, Multi Storied Public Parking Lot building, Commercial Building & Residential Building
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 has been Received dated 12th May 2017 (SEIAA-EC-0000000102) for construction area 159739.22 sqm
8.Location of the project	Plot bearing CS No 2/1629 & 1A/1629 of Lower Parel division, Plot No 249 & 249A, 248B Of Worli estate scheme no 52, Worli Mumbai
9.Taluka	Mumbai
10.Village	Worli
Correspondence Name:	Mr. Nikhil Mehta
Room Number:	Architect Department
Floor:	6th Floor
Building Name:	Raheja Tower
Road/Street Name:	Plot-C-30, Block -G
Locality:	Bandra Kurla Complex , Bandra (East)
City:	Mumbai 400051
11.Whether in Corporation / Municipal / other area	Municipal Corporation of Greater Mumbai (M.C.G.M.)
12.IOD/IOA/Concession/Plan Approval Number	Concession Received from MCGM
	IOD/IOA/Concession/Plan Approval Number: EB/1105/GS/A
	Approved Built-up Area: 65714.20
13.Note on the initiated work (If applicable)	As per architect certificate dated 04.10.2018 Total 1,39,961.84 sqm is constructed on site as per EC received dated 12th May 2017 (SEIAA- EC-0000000102) for construction area 159739.22 sqm
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	HRC NOC received , CFO NOC received ,I to R received ,HE NOC received ,SWD NOC received
15.Total Plot Area (sq. m.)	20117.24 sqm
16.Deductions	1449.85 sqm (Road set back - 647.93 sqm + Amenity open spaces - 801.92 sqm)
17.Net Plot area	18667.39 sqm.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 65,714.20
	b) Non FSI area (sq. m.): 1,13,052.83
	c) Total BUA area (sq. m.): 178767.03
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 65,714.20
	Approved Non FSI area (sq. m.): 1,13,052.83
	Date of Approval: 27-08-2018
19.Total ground coverage (m2)	14,671 sqm
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	78.59%

21.Estimated cost of the project	10190000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Residential tower	2B+G+5 parking floors + stilt +6 structural/service floors+3 fire check floors+45 habitable floors. the 5th parking floor above the public parking lot will be for residential parking	223.40 m
2	PPL	2B+G+4 parking floors (total 7 parking floors)	18.80m
3	Commercial building wing A	3B+3 office floors	12.30 m
4	Residential building Wing B	Stilt + 6 habitable floors	24.00 m
5	-	-	-

23.Number of tenants and shops	Residential tower – 174 nos Commercial building wing A- 2004.69 sqm Residential building Wing B – 36 nos
24.Number of expected residents / users	Residential tower – 870 nos, MPPL-321 nos, Commercial building wing A- 400 nos, Residential building Wing B –180 nos Total - 1771 nos
25.Tenant density per hectare	104 Tenant per hectare
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	The site is accessible from 18.30 mt. wide Natvarya Baburao Pendarkar Marg on north side and 18.30 mt wide Sudam Kalu Ahire Marg on west side, both off Anne Besant 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 dated 12th May 2017 (SEIAA-EC-0000000102) for construction area 159739.22 sqm
30.Details of the demolition with disposal (If applicable)	Demolition done and Handled as per C & D rule 2016

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	MCGM/STP recycled water
	Fresh water (CMD):	Residential -78 KLD , MPPL-2 KLD, Commercial wing A- 8 KLD, Residential wing B- 16 KLD Total – 104 KLD
	Recycled water - Flushing (CMD):	Residential -39 KLD , MPPL-3 KLD, Commercial wing A- 10 KLD, Residential wing B- 8 KLD Total- 60 KLD
	Recycled water - Gardening (CMD):	30 KLD
	Swimming pool make up (Cum):	25 KLD
	Total Water Requirement (CMD) :	194 KLD
	Fire fighting - Underground water tank(CMD):	Residential – 300 Cum, MPPL-100 cum, Wing A & B-200 cum
	Fire fighting - Overhead water tank(CMD):	Residential – 210 cum, MPPL- 30 cum, Commercial wing A- 30 cum, Residential wing B- 30 cum
	Excess treated water	48 KLD
Wet season:	**Source of water**	MCGM/STP recycled water/RWH
	Fresh water (CMD):	Residential -78 KLD , MPPL-2 KLD, Commercial wing A- 8 KLD, Residential wing B- 16 KLD Total – 104 KLD
	Recycled water - Flushing (CMD):	Residential -39 KLD , MPPL-3 KLD, Commercial wing A- 10 KLD, Residential wing B- 8 KLD Total- 60 KLD
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	25 KLD
	Total Water Requirement (CMD) :	164 KLD
	Fire fighting - Underground water tank(CMD):	Residential – 300 Cum, MPPL-100 cum, Wing A & B-200 cum
	Fire fighting - Overhead water tank(CMD):	Residential – 210 cum, MPPL- 30 cum, Commercial wing A- 30 cum, Residential wing B- 30 cum
	Excess treated water	78 KLD
Details of Swimming pool (If any)	1 swimming pool of dimensions-24.75 m x 37.12m x 1.5 m	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	1.5 m - 12.0 m bgl
	Size and no of RWH tank(s) and Quantity:	Residential – 110 cum, Commercial wing A- 50 ,Residential -15 cum Total – 175 cum
	Location of the RWH tank(s):	Basement
	Quantity of recharge pits:	23 nos. of recharge pits with bore well along with Grease cum distilling chamber
	Size of recharge pits :	1.5 m diameter x 6.00 m depth
	Budgetary allocation (Capital cost) :	Rs 15.00 Lakhs
	Budgetary allocation (O & M cost) :	Rs 0.75 Lakhs /Annum
	Details of UGT tanks if any :	Fire tank ,Domestic tank, Flushing Tank, RWH Tank all located in the Basement
35.Storm water drainage	**Natural water drainage pattern:**	The storm water collected through the storm water drains of adequate capacity will be discharged in to the municipal storm line along the DP existing roads which is towards north
	Quantity of storm water:	0.39 m3/sec
	Size of SWD:	300 mm RCC pipe
Sewage and Waste water	**Sewage generation in KLD:**	Residential – 110 KLD , MPPL-4 KLD, Commercial wing A- 17 KLD, Residential wing B- 23 KLD Total – 154 KLD
	STP technology:	Residential -SBR, MPPL- MBBR, Commercial wing A & Residential wing B- MBBR
	Capacity of STP (CMD):	Residential -150 KLD , MPPL- 10 KLD, Commercial wing A & Residential wing B - 45 KLD
	Location & area of the STP:	Basement
	Budgetary allocation (Capital cost):	Rs 90.00 Lakhs
	Budgetary allocation (O & M cost):	Rs 15.00 lakhs /annum

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Excavated material, Cement Bags, Paint container (@20L), Scrap metal, Broken Tiles etc
	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, Cement Bags Empty bags to be handed over to recycler, Paint container (@20L) To be handed over to recycler. Scrap metal generated Entirely to be Sold for recycling, Broken Tiles Waste 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:**	378 Kg/day
	Wet waste:	432 Kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	8 Kg/day
	Others if any:	E- waste to be handed over to MPCB authorized vendors

Mode of Disposal of waste:	**Dry waste:**	To be hand over to Local Recyclers for recycling
	Wet waste:	To be processed in the OWC. Manure obtained shall be used for landscaping / Gardening, Excess manure shall be sold to nearby end users.
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	To be used as a manure
	Others if any:	E- waste to be handed over to MPCB authorized vendors
Area requirement:	**Location(s):**	Ground floor
	Area for the storage of waste & other material:	110 sqm
	Area for machinery:	5 sqm for each machine
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs 15.00 Lakhs
	O & M cost:	Rs 3.00 lakhs /annum

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

42.Mode of Transportation of fuel to site	Not applicable

43.Green Belt Development	**Total RG area :**	RG on ground- 1309.54 Sqm, RG on Podium -4502.07 sqm Total RG-5811.61 sqm
	No of trees to be cut :	Trees to be cut/transplanted-4 nos, trees to be retained-24 nos
	Number of trees to be planted :	209 nos
	List of proposed native trees :	Same as below
	Timeline for completion of plantation :	By the end of construction phase

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Barringtonia	Indian Oak	35	Ornamental tree
2	Terminalia mantaly	Madagascar almond	52	Ornamental tree
3	Millettia pinnata	Karaj tree	52	Shadow tree
4	Lagerstroemia	Crape Myrtle	70	Flowering tree
45.Total quantity of plants on ground				

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

Serial Number	Name	C/C Distance	Area m2
1	Acalypha wilkesiana	150-200 mm	210
2	Allamanda nerifolia	150-200 mm	218
3	Alternanthera versicolor	150-200 mm	305
4	Alpinia zurumbet	150-200 mm	186
5	Barleria species	150-200 mm	155
6	Bougainvillea	150-200 mm	220
7	Breynia nivosa	150-200 mm	200
8	Caesalpinia pulcherima	150-200 mm	190
9	Calliandra haematocephala	150-200 mm	212
10	Canna generalis	150-200 mm	290
11	Catharanthus rosea	150-200 mm	175
12	Dracaena marginata	150-200 mm	175
13	Codiaeum	150-200 mm	205
14	Excoecaria bicolor	150-200 mm	75
15	Heliconia	150-200 mm	290
16	Hibiscus	150-200 mm	212
17	Ixora duffii red	150-200 mm	307
18	Lantana camara	150-200 mm	175
19	Mussaenda erthrophylla	150-200 mm	200

47.Energy

Power requirement:	**Source of power supply :**	BEST/TATA
	During Construction Phase: (Demand Load)	400 kW
	DG set as Power back-up during construction phase	65 kVA
	During Operation phase (Connected load):	9304 kw
	During Operation phase (Demand load):	4392 kw
	Transformer:	4 X 1500 kVA
	DG set as Power back-up during operation phase:	1 x 2250 kVA & 2x 250 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

• Design with low lighting power density of 0.8 w/sft or less in common areas by using LEDs for general lighting with occupancy sensors & timer based controls
• Design with low lighting power density of 0.2 watts/sft or less in the parking areas with T5
• using energy efficient 5 star rated equipment's
• External Light Design with low lighting power density of 0.2 watts/sft or less in the building exterior areas with use of LEDs
• Use of efficient VFD or equivalent system with filters.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Overall energy savings	26%

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. 120.00 lakhs
	O & M cost:	Rs. 6.00 lakhs/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	20.00
2	Noise Environment	Noise Baricades and Green Belt	8.00

3	Water Environment	Modular STP , Drainage with sedimentation tanks	6.00
4	Land Environment	Site Sanitation	1.00
5	Environmental Monitoring	Air,water,noise soil monitoring	1.50
6	EHS	Disinfection & Health Care	3.00

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Solid waste management	OWC	15.00	3.00
2	waste water management	STP	90.00	15.00
3	RHW	RHW tanks and pits	15.00	0.75
4	Energy conservation	Solar and LED	120.00	6.00
5	Landscape	Greenbelt	120.00	24.00

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:	The site is accessible from 18.30 mt. wide Natvarya Baburao Pendarkar Marg on north side and 18.30 mt wide Sudam Kalu Ahire Marg on west side, both off Anne Besant Road. (7 enrty/exit)

Parking details:	**Number and area of basement:**	Residential tower -2 Basements Commercial & Residential bldg. combined – 3 Basements
	Number and area of podia:	Residential tower – 5 nos of podium
	Total Parking area:	39253.38 sqm for Residential +8584.50 sqm for wing A & B
	Area per car:	Basement= 33.79 sqm ,Gr. Flr. = 25 sqm , Podium= 30.9 sqm
	Area per car:	Basement= 33.79 sqm ,Gr. Flr. = 25 sqm , Podium= 30.9 sqm
	Number of 2-Wheelers as approved by competent authority:	Residential- 23 MPPL- 20 Total-43 nos
	Number of 4-Wheelers as approved by competent authority:	Residential -555 nos Wing A &B -41 nos Total – 596 nos (MPPL-803 (Including 9 Transport vehicle))
	Public Transport:	-
	Width of all Internal roads (m):	6.00 mt. wide Internal driveways.
	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), category B1
	Court cases pending if any	NA
	Other Relevant Informations	The Occupation Permission to Public Parking Lot is granted on 07/09/2016 and same is handed over to MCGM on 06/01/2017. ToR has been received in 79th SEAC II meeting Dated 28.11.2018
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	11-10-2018

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

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

PP informed that, the project under consideration is *proposed expansion of proposed residential tower building; multi storied public parking lot building, commercial building & residential building in existing project. PP further stated that,* the total plot area of the project is 20117.24Sq.mt. having total construction area 178767.03 Sq.mt. (FSI - 65,714.20 sq.mt + NON FSI- 1,13,052.83 sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Residential tower	2B+G+5 parking floors + stilt +6 structural/service floors+3 fire check floors+45 habitable floors. the 5th parking floor above the public parking lot will be for residential parking	223.40 m
PPL	2B+G+4 parking floors (total 7 parking floors)	18.80m
Commercial building wing A	3B+3 office floors	12.30 m
Residential building Wing B	Stilt + 6 habitable floors	24.00 m
--	--	--

It is noted that, Project has received Environmental clearance vide letter dated 12th May 2017 & the construction done on site as per architect certificate dated 13.05.2019 is 1,47,035.53 sqm

It is noted that the project earlier considered in 96th SEAC-2 Meeting held on 15-04-2019) & deferred with observations namely 1) to submit the same along with copy of company resolution. 2) to submit the detail revised dated architect certificate addressed to committee. 3) Structural Engineer & design engineer to remain present for meeting to explain the proposal in detail. 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 copy of HRC NoC.
2) PP to upload the copy of revised CFO NoC (for Commercial building).
3) Local planning authority to ensure the structural stability of building for which vertical expansion is proposed before granting CC.
4) PP to ensure that minimum 40% area of proposed STP tanks should be open to sky for adequate ventilation.
5) 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.
6) PP to submit CER prescribed by MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project or Environment Department may direct PP to undertake CER work in identified area, as identified by Environment Department.

FINAL RECOMMENDATION

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

Agenda of 102nd Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 102 **Meeting Date** June 11, 2019

Subject: Environment Clearance for Expansion and Amendment in EC for "RUNWAL INFINITY" at Village-Nahur, Mulund west, Mumbai – 400080

Is a Violation Case: No

1.Name of Project	"RUNWAL INFINITY"
2.Type of institution	Private
3.Name of Project Proponent	M/s. RUNWAL CONSTRUCTIONS
4.Name of Consultant	M/s. Ultra-Tech
5.Type of project	Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion and Amendment in EC
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	This project has received Environmental Clearance File No. 21-258/ 2006-IA.III dated 16.11.2006
8.Location of the project	Plot bearing C.T.S. Nos. 544 & 544/1 of Village-Nahur, Mulund west, Mumbai – 400080
9.Taluka	Kurla
10.Village	Nahur
Correspondence Name:	M/s. RUNWAL CONSTRUCTIONS
Room Number:	--
Floor:	5th Floor
Building Name:	Runwal & Omkar Esquare
Road/Street Name:	Off. Eastern Express Highway
Locality:	Opp. Sion Chunabhatti Signal, Sion (E)
City:	Mumbai – 400022
11.Whether in Corporation / Municipal / other area	Municipal Corporation of Greater Mumbai (M.C.G.M.)
12.IOD/IOA/Concession/Plan Approval Number	Concession application no. CE/4815/BPES/AT approved on 29.06.2018; Approved letter no. CE/4882/BPES/AT & plan dated 26-11-2015
	IOD/IOA/Concession/Plan Approval Number: CE/4882/BPES/AT
	Approved Built-up Area: 26231.43
13.Note on the initiated work (If applicable)	Total constructed work on site till date (FSI + Non FSI): 25,238.78 Sq.mt.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	--
15.Total Plot Area (sq. m.)	24,406.20 Sq.mt.
16.Deductions	1,107.62 Sq.mt.
17.Net Plot area	23,298.58 Sq.mt.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 67,144.65 Sq.mt.
	b) Non FSI area (sq. m.): 79,799.40 Sq.mt.
	c) Total BUA area (sq. m.): 146944.05
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 26,231.43 Sq. mt. as per approved plan dated 26-11-2015
	Approved Non FSI area (sq. m.): 23,385.22 Sq. mt. as per approved plan dated 26-11-2015
	Date of Approval: 26-11-2015
19.Total ground coverage (m2)	14,455.98 Sq. mt.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	52%
21.Estimated cost of the project	4350000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building 1	Ground + 2 Podium + Stilt + 23 Floors	89.60
2	Building 2	Basement + Ground + 2 Podium + Stilt + 46 Floors	174.65
3	Building 3	Ground + 2 Podium + Stilt + 23 Floors	89.60
4	Building 4	Basement + Ground + 2 Podium + Stilt + 19 Floors	84.45
5	Building 5	Basement + Ground + 2 Podium + Stilt + 46 Floors	174.65
6	Club House	Ground + 1 Floor	8.00
7	Buildable Amenity	Ground + 3 Floor (To be handed over to M.C.G.M.)	15.75

23.Number of tenants and shops	Flats: 818 nos.
24.Number of expected residents / users	~ 4090 nos.
25.Tenant density per hectare	391/ hectors
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	32.00 mt. Wide Lal Bahadur Shastri Marg
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.00 mt.
29.Existing structure (s) if any	Part construction completed as per EC received.
30.Details of the demolition with disposal (If applicable)	Constructed Bldg. No. 2 will be demolished

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	M.C.G.M/ Tanker water for Swimming pool make up
	Fresh water (CMD):	368 KLD
	Recycled water - Flushing (CMD):	184 KLD
	Recycled water - Gardening (CMD):	38 KLD
	Swimming pool make up (Cum):	3 KLD
	Total Water Requirement (CMD) :	593 KLD
	Fire fighting - Underground water tank(CMD):	500 KL
	Fire fighting - Overhead water tank(CMD):	80 KL
	Excess treated water	209 KLD
Wet season:	**Source of water**	M.C.G.M/ Tanker water for Swimming pool make up/ Partly by RWH
	Fresh water (CMD):	368 KLD
	Recycled water - Flushing (CMD):	184 KLD
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	3 KLD
	Total Water Requirement (CMD) :	555 KLD
	Fire fighting - Underground water tank(CMD):	500 KL
	Fire fighting - Overhead water tank(CMD):	80 KL
	Excess treated water	247 KLD
Details of Swimming pool (If any)	Volume of Swimming pool: 200 Cum.	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	2.1 mt. to 8.8 mt. below ground level
	Size and no of RWH tank(s) and Quantity:	3 nos. of tanks of capacity 20 KL each
	Location of the RWH tank(s):	Underground
	Quantity of recharge pits:	--
	Size of recharge pits :	--
	Budgetary allocation (Capital cost) :	Rs. 15.00 Lacs
	Budgetary allocation (O & M cost) :	Rs. 0.47 Lacs/annum
	Details of UGT tanks if any :	Location of UG tanks: Underground
35.Storm water drainage	**Natural water drainage pattern:**	The storm water collected through the storm water drains of adequate capacity will be discharged in to the external drain.
	Quantity of storm water:	0.53 m3/sec
	Size of SWD:	450 x 600 mm
Sewage and Waste water	**Sewage generation in KLD:**	479 KLD
	STP technology:	Moving Bed Bio Reactor (MBBR)
	Capacity of STP (CMD):	1 STP of capacity 530 KL
	Location & area of the STP:	Ground level (Partly Underground) ; Area: 452 Sq. mt.
	Budgetary allocation (Capital cost):	Rs. 106.20 Lacs
	Budgetary allocation (O & M cost):	Rs. 22.57 Lacs/annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Not Applicable
	Disposal of the construction waste debris:	Construction material will be partly reused on site and remaining shall be disposed to Authorized landfill as per permission from M.C.G.M.
Waste generation in the operation Phase:	**Dry waste:**	1104 kg/day
	Wet waste:	736 kg/day
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	72 kg/day
	Others if any:	Not Applicable

Mode of Disposal of waste:	**Dry waste:**	To Authorized recyclers
	Wet waste:	Treatment in OWC
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Use as manure
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	Ground Floor
	Area for the storage of waste & other material:	53.00 Sq. mt.
	Area for machinery:	12.00 Sq. mt.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 9.00 Lacs
	O & M cost:	Rs. 3.36 Lacs/annum

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	RG area on ground: 3302.24 Sq. mt. ; RG area on on podium: 4866.32 Sq.mt.
	No of trees to be cut :	Dead trees: 10 nos.
	Number of trees to be planted :	377 nos.
	List of proposed native trees :	As mentioned below
	Timeline for completion of plantation :	Before occupancy

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Peltophorum pterocarpum	Copperpod	40	It is planted as ornamental plant. Bark of tree has medicinal properties.
2	Lagerstroemia speciosa	Taman	40	It is widely cultivated as an ornamental plant in tropical and subtropical areas. It has medicinal applications.
3	Plumeria alba	White frangipani	14	Tree that can tolerate a wide variety of soils, from acid to alkaline and sandy to clay.
4	Tabebuia rosea	Pink trumpet tree	40	Tree with medicinal properties.
5	Filicium decipiens	Fern leaf	40	Flowering tree
6	Delonix regia	Gulmohar	68	Shady trees with orange-red petals attract birds. It is planted as an ornamental tree
7	Bauhinia blakeana	Hong Kong Orchid Tree	40	Drought resistant tree. This medium size quick growing tree up to 20 feet tall.
8	Acacia auriculiformis	Earleaf acacia	40	Planted as ornamental plant, shady tree, wood is used for making paper, furniture and tools.
9	Samanea Saman	Rain Tree	05	It attracts birds and butterflies
10	Cassia fistula	Golden shower tree	17	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.
11	Michelia champaca	Champak	17	Medium sized evergreen tree, strongly fragrant yellow flowers used in perfume industry, Butterfly host plant
12	Terminalia mentaly	Madagascar Almond	16	It is planted as an ornamental tree.
45.Total quantity of plants on ground				

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

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

2	Caesalpinia pulcherrima	--	--
3	Bauhinia acuminate	--	--
4	Tecoma gaudichaudi	--	--
5	Tabernaemontana coronaria	--	--
6	Nerium oleander	--	--
7	Hibiscus rosa-sinensis	--	--
8	Murraya exotica	--	--
9	Thevetia peruviana	--	--
10	Mussaenda erythrophylla	--	--

47.Energy

Power requirement:	**Source of power supply :**	Maharashtra State Electricity Distribution Company Limited (MSEDCL)
	During Construction Phase: (Demand Load)	100 KW
	DG set as Power back-up during construction phase	As per requirement
	During Operation phase (Connected load):	7119 KW
	During Operation phase (Demand load):	4068 KW
	Transformer:	--
	DG set as Power back-up during operation phase:	2 DG set of capacity 750 kVA each
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	No

48.Energy saving by non-conventional method:

Provision of LED lights
VFD & regenerative type
Provision of solar systems

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Overall energy saving	23 %
2	Energy saving due to renewable energy	16 %

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Sewage	Not applicable	STP
Solid waste	Not applicable	Organic Waste Convertor

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 114.68 Lacs
	O & M cost:	Rs. 55.00 Lacs/annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water for Dust Suppression	5.76
2	Air Environment	Air and Noise Monitoring: On site Sensors	14.00
3	Air Environment	Air and Noise Monitoring: By outside MoEF & CC Approved Laboratory	1.76
4	Water Environment	Water monitoring/wastewater monitoring	0.24
5	Land Environment	Site Sanitation	5.00
6	Health & Hygiene	Disinfection- Pest Control	9.60
7	Health & Hygiene	Health Check-up of workers	21.60

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air Environment & Biological Environment	Cost for Gardening	44.93	1.20
2	Air Environment & Biological Environment	Cost for Ambient air & Noise Monitoring	No set up cost is involved	0.22
3	Air Environment & Biological Environment	Maintenance of sensors - Air & Noise	Set up already considered in construction phase	0.50
4	Air Environment & Biological Environment	Cost for DG Stack Exhaust Monitoring	No set up cost is involved	0.10
5	WATER ENVIRONMENT - Waste water treatment	Cost for sewage Treatment Plant	88.20	21.54
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 - Water Conservation (Rain Water Harvesting System)	Cost for RWH tanks	6.00	0.30
9	WATER ENVIRONMENT - Water Conservation (Rain Water Harvesting System)	Cost for treatment unit for Rain Water collected in tanks	9.00	0.03
10	WATER ENVIRONMENT - Water Conservation (Rain Water Harvesting System)	Cost for Rainwater Monitoring	No set up cost is involved	0.14
11	LAND ENVIRONMENT - Solid Waste Management	Cost for Treatment of biodegradable garbage in OWC	9.00	3.28
12	LAND ENVIRONMENT - Solid Waste Management	Cost for Manure Monitoring	No set up cost is involved	0.08
13	ENERGY CONSERVATION	SOLAR ENERGY-Water heating	114.68	55.00

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:	One entry and exit

Parking details:	**Number and area of basement:**	Not Applicable
	Number and area of podia:	2 Podia (Area: 28,312.00 Sq. mt.)
	Total Parking area:	56,705.62 Sq.mt.
	Area per car:	--
	Area per car:	--
	Number of 2-Wheelers as approved by competent authority:	78 nos.
	Number of 4-Wheelers as approved by competent authority:	1275 nos.
	Public Transport:	--
	Width of all Internal roads (m):	Minimum 6.00 mt.
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park : Approx 0.5 Km; * NOC from Wild Life Board is Not Applicable as per final Notification reg. ESZ of SGNP published by MOEF & CC u/no. S.O.3645 (E) dated 05/12/2016 as our project site is not affected by the ESZ belt.
	Category as per schedule of EIA Notification sheet	8 (a) B2
	Court cases pending if any	Not Applicable
	Other Relevant Informations	--
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

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

PP informed that, the project under consideration is *proposed expansion and amendment in EC housing project. PP further stated that, t*he total plot area of the project is 24,406.20 Sq.mt having total construction area 146944.05 Sq. mt. (FSI - 67,144.65 Sq.mt + NON FSI- 79,799.40 Sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height
Building 1	Ground + 2 Podium + Stilt + 23 Floors	89.60
Building 2	Basement + Ground + 2 Podium + Stilt + 46 Floors	174.65
Building 3	Ground + 2 Podium + Stilt + 23 Floors	89.60
Building 4	Basement + Ground + 2 Podium + Stilt + 19 Floors	84.45
Building 5	Basement + Ground + 2 Podium + Stilt + 46 Floors	174.65
Club House	Ground + 1 Floor	8.00
Buildable Amenity	Ground + 3 Floor (To be handed over to M.C.G.M.)	15.75

It is noted that, Project has received Environmental clearance vide letter dated 16.11.2006.

It is noted that the project earlier considered in 101st SEAC-2 Meeting held on 30-31st May 2019 & deferred with observations namely 1) to submit & upload the copy of Hon. Supreme court order quoted during presentation along with Non-Destructive Test (NDT) report & Concession report issued by MCGM. 2) to include fact of existence of high tension line through plot in the CS and revise the CS to that extent.3) to recycle the concrete debris for making paver blocks and use these in the project itself. & also reuse all other demolition waste like steel etc. to the extent possible in the project itself. 4) to ensure to take all measure to reduce air & noise pollution during demolition 5) to submit the architect certificate regarding RG area to be provided & to ensure that paved RG should not be more than 50%. PP to provide permeable concrete/ Green paver to paved RG. 6) to revise the drawing of fire tender movement plan, the drawing should show all driveways 7) to upload the storm water design & calculations 8) to upload the details of traffic study like duration of the study, date of monitoring etc 9) to upload CFO NoC 10) to submit the HRC NoC. 11) to revise & submit the wind analysis, shadow analysis, traffic analysis, light and ventilation analysis reports and measures to reduce heat island effect. 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 upload the copy of acknowledgement for plan submitted to local planning authority.
2) PP agreed to recycle the concrete debris for making paver blocks and use these in the project itself & also reuse all other demolition waste like steel etc. to the extent possible in the proposed project.
3) PP to submit the revised CFO NoC (with respect to building No 2).
4) PP to take measures to improve the ACH achieved in living/dining room of building No 4.
5) 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.
6) PP to submit CER prescribed by MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project. The specific activities to be undertaken under CER to be carried out in consultation with Municipal corporation or collector or Environment Department.

FINAL RECOMMENDATION

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

Agenda of 102nd Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 102 **Meeting Date** June 11, 2019

Subject: Environment Clearance for Proposed Residential Building

Is a Violation Case: No

1.Name of Project	Proposed Residential high-rise building on plot bearing CTS. No. 837 to 840 of Village Poisar, Samta Nagar, Kandivali (East), Mumbai.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Amit Thakkar
4.Name of Consultant	M/s Aqura Enviro Projects Pvt. Ltd.
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	-
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	-
8.Location of the project	plot bearing CTS. No. 837 to 840 of Village Poisar, Samta Nagar, Kandivali (East), Mumbai.
9.Taluka	Kandivali
10.Village	Poisar
Correspondence Name:	Dinesh Dubey
Room Number:	41/44
Floor:	Ground Floor
Building Name:	SP Centre
Road/Street Name:	Minoo Desai Road
Locality:	Colaba
City:	Mumbai
11.Whether in Corporation / Municipal / other area	Municipal Corporation of Greater Mumbai
12.IOD/IOA/Concession/Plan Approval Number	SN. Bldg. No.3_IOD No. CHE / WS-II/0757/R/S/337(NEW)
	IOD/IOA/Concession/Plan Approval Number: SN. Bldg. No.3_IOD No. CHE / WS-II/0757/R/S/337(NEW)
	Approved Built-up Area: 114749.33
13.Note on the initiated work (If applicable)	Not Applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	SN. Bldg. No.3_IOD No. CHE / WS-II/0757/R/S/337(NEW)
15.Total Plot Area (sq. m.)	10449.00
16.Deductions	0
17.Net Plot area	10449.00
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 60393.33 Including Fungible area.
	b) Non FSI area (sq. m.): 54356.00
	c) Total BUA area (sq. m.): 114749.33
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)	6150
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	58.87
21.Estimated cost of the project	3155606850

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building No 3: Wing A	Part basement + Ground Floor +1st to 6th Level Podium + 1 FCF + 1st to 37th Upper Floor.	143.50
2	Building No 3: Wing B	Part basement + Ground Floor +1st to 6th Level Podium + 1 FCF + 1st to 37th Upper Floor.	143.50
3	Building No 3: Wing C	Part basement + Ground Floor +1st to 6th Level Podium + 1 FCF + 1st to 37th Upper Floor.	143.50

23.Number of tenants and shops	Sale Building:-690 Nos
24.Number of expected residents / users	3450
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)	9m & 12.20m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	12m
29.Existing structure (s) if any	Not Applicable
30.Details of the demolition with disposal (If applicable)	Not Applicable

31.Production Details

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

32.Total Water Requirement

Dry season:	Source of water	MCGM
	Fresh water (CMD):	320
	Recycled water - Flushing (CMD):	172
	Recycled water - Gardening (CMD):	0.6
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	492
	Fire fighting - Underground water tank(CMD):	500
	Fire fighting - Overhead water tank(CMD):	50
	Excess treated water	381
Wet season:	Source of water	MCGM
	Fresh water (CMD):	320
	Recycled water - Flushing (CMD):	172
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	492
	Fire fighting - Underground water tank(CMD):	500
	Fire fighting - Overhead water tank(CMD):	50
	Excess treated water	382
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:**	5 to 6m
	Size and no of RWH tank(s) and Quantity:	Building No 3: Size : 4.3 M X 2.8 M X 2.54 M, No Of RWH Tank: 3 Nos, Quantity 30 CMD Each Tank
	Location of the RWH tank(s):	Basement
	Quantity of recharge pits:	Not Applicable
	Size of recharge pits :	Not Applicable
	Budgetary allocation (Capital cost) :	20 Lakhs
	Budgetary allocation (O & M cost) :	4 lakhs/Annum
	Details of UGT tanks if any :	Location of UG Tanks: Basement For Building No 3: Domestic Water Tank:- 107 CMD for Each Wing (Wing A, B & C) Flushing Water Tank:- 57 CMD For Each Wing (Wing A, B & C) Fire Tank:- 500 CMD Rain Water Tank:- 3. CMD For Each Wing (Wing A,B & C)
35.Storm water drainage	**Natural water drainage pattern:**	SWD will be provided for drainage of storm water within plot.
	Quantity of storm water:	3.75 M3/Sec
	Size of SWD:	300mm Wide & 1:300 Slope.
Sewage and Waste water	**Sewage generation in KLD:**	453 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	453 KLD
	Location & area of the STP:	Basement & 1300 Sq.M.
	Budgetary allocation (Capital cost):	55.80 Lakhs
	Budgetary allocation (O & M cost):	5 Lakhs
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction Debris
	Disposal of the construction waste debris:	Quantity of Top soil to be preserved, Disposal of Construction waste will be as per
Waste generation in the operation Phase:	**Dry waste:**	466 Kg/Day
	Wet waste:	1087 Kg/Day
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	4-5 Kg/Day
	Others if any:	Not Applicable

Mode of Disposal of waste:	**Dry waste:**	Dry waste would be Further segregated Recyclable & non non recyclable. Recyclable will handed over to vendors & Non recyclable will be disposed of MCGM Landfill site.
	Wet waste:	Treatment in Mechanical composting units provided at the ground level within the premises. The manure generated will be used for gardening.
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	4-5 Kg/Day
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	Ground Floor
	Area for the storage of waste & other material:	70.63 Sq.M.
	Area for machinery:	45 Sq.M. Each building
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	12.50 Lakhs
	O & M cost:	6 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 :**	3408.83 Sq.m
	No of trees to be cut :	59 Nos
	Number of trees to be planted :	177
	List of proposed native trees :	Neem, Sheesham,Devil Tree, Bel, Brown Salwood ,Tamhan & Queen Palms
	Timeline for completion of plantation :	6 Months after Completion RCC & Finishing Work of The Building.

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	20	Long in Height
2	Darbergia Sissoo	Sheesham	30	Long in Height
3	Alstonia Scholaris	Devil Tree	20	Long in Height
4	Angle Marmelos	Bel	20	----
5	Acasia Mangium	Brown Salwood	25	----
6	Lagersromia Thorelli	Tamhan	25	----
7	Syagrus Romanzoffiana	Queen Palms	30	---
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	Crossandra infundibuliformis (Aboli)	2m	30
2	Hibiscus rosa-sinensis (Jaswand)	2m	30
3	Nerium Indicum (Kanher)	1.5	25

47.Energy

Power requirement:	**Source of power supply :**	Reliance Energy Ltd.
	During Construction Phase: (Demand Load)	200 KW
	DG set as Power back-up during construction phase	Not Applicable
	During Operation phase (Connected load):	962.34 KW
	During Operation phase (Demand load):	578 KW
	Transformer:	Capacity -2 MVA X 3 Nos
	DG set as Power back-up during operation phase:	4 Nos of DG sets are provided:- 1) 3 nos of Capacity 275 KVA for Wing A,B & C 2) 1 Nos of Ca[pacity 500 KVA for Common Area
	Fuel used:	LSD
	Details of high tension line passing through the plot if any:	Not Applicable

48.Energy saving by non-conventional method:

Use of energy efficient lifts (VVVF Non gear lifts)
Use of Energy efficient/load sharing DG sets
Use energy efficient/low loss transformer
Provision of solar water heaters for 10 %units
Provision of solar power by PV panels
Provision of LED lamps instead of fluorescent lamps
Use of occupancy sensor for society office area lighting consumption and basement lighting
Use of Lux sensor for society office area lighting consumption
Use of TFT/LED monitors instead of CRT tube monitors for office area
Use of sleep mode option with TFT/LED monitors for office area
Use of energy efficient UPS
Provision of LED lamps instead of HPSVlMetal halide lamps and solar panels for street lighting
Provision ofT-5 lamps instead ofT-8 lamps and electronic ballast instead of copper ballast for basement lighting

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Using Solar Hot Water for 40days considered	Total 10% saving on Solar & (On Total Building Load 4.20 % Saving)
2	Using VFD & APFC Pannel on Water Pumps	Total 40% saving on Pumps requirement
3	External Lighting By using Mh Lamps & LED lamps on Solar	Total 10% Saving on Light

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:**	1400000
	O & M cost:	600000

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water Environment	Drinking Water	1 Lakhs
2	Environment Health & Safety	Sanitation	2 Lakh
3	Environment Health & Safety	Health & Checkup	10 Lakh
4	Air Environment	Water For Dust Separation	3 Lakhs

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP & Network	3 STPs of 1160 CMD ,260 CMD & 453 CMD for Building No 1,2 & 3 respectively.	55.80	5
2	RWH System	3 Nos of Tanks having Capacity 30 CUM each	20.00	6
3	Solid Waste Management	Wet Waste - 1087 KG	12.50	6
4	Solar System (Solar Installation)	Solar PV Pannel for External Lighting & Hot Water	14.00	1
5	Environment Monitoring	6 Monthly Air, Water,Soil& Noise Analysis	0	5

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	2 Nos

Parking details:	**Number and area of basement:**	Not Applicable
	Number and area of podia:	6 Nos of Podium & Area of Each podium :
	Total Parking area:	21270.00 Sq.M.
	Area per car:	14 Sq. M.
	Area per car:	14 Sq. M.
	Number of 2-Wheelers as approved by competent authority:	Not Applicable
	Number of 4-Wheelers as approved by competent authority:	973 Nos
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	6m, 9m & 12.20m
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	1) Sanjay Gandhi National Park:- 1.5Km, 2) Aarey Colony:- 4 Km, 3) Gorai Creek :- 5.85 Km & Malad Creek:- 6.5 Km.
	Category as per schedule of EIA Notification sheet	8 a
	Court cases pending if any	Not Applicable
	Other Relevant Informations	Not Applicable
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	27-04-2017

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

DECISION OF SEAC

PP was absent; hence the project is deferred.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

Agenda of 102nd Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 102 **Meeting Date** June 11, 2019

Subject: Environment Clearance for residential cum commercial project at plot bearing CTS NOS. 25/5 to 25/9, 25/10A, 25/10B, 40/17, 40/22, 41/13, 41/17, 42/1, 42/2, 42/3, 43/1, 43/2, 43/3(pt), 44/1, 44/2, 47/1(pt), 47/5(pt), 47/6(pt), 47/2/1(pt), 47/2/2(pt), 47/3/2(pt), 21, 22, at village:- Balkum Tal & Dist – Thane by Dosti Enterprises

Is a Violation Case: No

1.Name of Project	Dosti Enterprises
2.Type of institution	Private
3.Name of Project Proponent	Mr. Deepak Goradia, Dosti Enterprises
4.Name of Consultant	Dr. D. A. Patil, Mahabal Enviro Engineers Pvt. Ltd.
5.Type of project	Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	On plot bearing CTS Nos. 25/5 to 25/9, 25/10A, 25/10B, 40/17, 40/22, 41/13, 41/17, 42/1, 42/2, 42/3, 43/1, 43/2, 43/3(pt), 44/1, 44/2, 47/1(pt), 47/5(pt), 47/6(pt), 47/2/1(pt), 47/2/2(pt), 47/3/2(pt), 21, 22, at village:- Balkum Tal & Dist – Thane by Dosti Enterprises
9.Taluka	Thane
10.Village	Balkum
Correspondence Name:	Mr. Deepak Goradia, Dosti Enterprises
Room Number:	276
Floor:	1st floor
Building Name:	Lawrence & Mayo House
Road/Street Name:	Dr. D. N. Road
Locality:	Fort,
City:	Fort, Mumbai - 400001
11.Whether in Corporation / Municipal / other area	TMC
12.IOD/IOA/Concession/Plan Approval Number	In process
	IOD/IOA/Concession/Plan Approval Number: -
	Approved Built-up Area: 63543
13.Note on the initiated work (If applicable)	No work started
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	-
15.Total Plot Area (sq. m.)	21602.25 m2
16.Deductions	4257.25 m2
17.Net Plot area	17345.20 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 47172.34 m2
	b) Non FSI area (sq. m.): 63,166 m2
	c) Total BUA area (sq. m.): 110338.34
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 25,930 m2
	Approved Non FSI area (sq. m.): 37,613 m2
	Date of Approval: 01-01-1900
19.Total ground coverage (m2)	9802 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	57%
21.Estimated cost of the project	2857500000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Type A	B+G/St(pt)+ 1st to 2nd Podiums + 1st to 27th floors.	91.70
2	Type B	B +G/St(pt)+ 1st to 2nd Podiums + 1st to 27th floors.	91.70
3	Type C	B+ St +1st to 2nd Podiums + 1st to 27th floors.	91.70
4	Type D	B+ St+1st to 2nd Podiums + 1st to 27th floors.	91.70
5	Type E	B+St+1st to 2nd Podiums + 1st to 27th floors.	91.70
6	Type F	B +St +1st to 2nd Podiums + 1st to 8th floors for MHADA and 9th to 27th Floor for Sale	91.70

23.Number of tenants and shops	No of sale tenants: 1,116 Nos. MHADA: 70 Nos Total: 1,186 Nos (Sale + MHADA) Commercial Area: 341.29 m2
24.Number of expected residents / users	5,964 Nos.
25.Tenant density per hectare	697/Ha
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	The project site is accessed by 18 m and 45 m Wide Road.
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Min 9 m
29.Existing structure (s) if any	NA
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	TMC
	Fresh water (CMD):	535 KLD
	Recycled water - Flushing (CMD):	268 KLD
	Recycled water - Gardening (CMD):	29 KLD
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	802 KLD
	Fire fighting - Underground water tank(CMD):	As per CFO NOC
	Fire fighting - Overhead water tank(CMD):	As per CFO NOC
	Excess treated water	445 KLD
Wet season:	**Source of water**	TMC + RWH tank
	Fresh water (CMD):	488 KLD
	Recycled water - Flushing (CMD):	268 KLD
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	802 KLD
	Fire fighting - Underground water tank(CMD):	As per CFO NOC
	Fire fighting - Overhead water tank(CMD):	As per CFO NOC
	Excess treated water	474 KLD
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Ground water table at depth of 1.5 to 2 m
	Size and no of RWH tank(s) and Quantity:	6 RWH Tank with Capacity: 160 m3
	Location of the RWH tank(s):	Underground
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Rs. 37 Lakh
	Budgetary allocation (O & M cost) :	Rs. 1.8 Lakh/year
	Details of UGT tanks if any :	Underground
35.Storm water drainage	**Natural water drainage pattern:**	The slope of the plot is towards East side
	Quantity of storm water:	The storm water generation 1,995.57 m3/hr
	Size of SWD:	550 and 700 mm wide internal SWD drains
Sewage and Waste water	**Sewage generation in KLD:**	749 KLD
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	STP of 800 KLD capacity
	Location & area of the STP:	Basement and Area of STP: 580 m2
	Budgetary allocation (Capital cost):	Rs. 160 Lakh
	Budgetary allocation (O & M cost):	Rs.32 Lakh/year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction debris: 3100 m3
	Disposal of the construction waste debris:	The construction debris waste will be disposed as per Construction debris and demolition waste management Rule 2016
Waste generation in the operation Phase:	**Dry waste:**	1,189 kg/day
	Wet waste:	1,783 kg/day
	Hazardous waste:	Used oil from DG
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	7 kg/day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Dry garbage will be disposed off to recyclers
	Wet waste:	Wet garbage will be composted using Mechanical Composting Technology and used as organic manure for landscaping.
	Hazardous waste:	Handed over to authorized recyclers
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Sludge use as manure for gardening
	Others if any:	Household E-waste generation
Area requirement:	**Location(s):**	Underground
	Area for the storage of waste & other material:	120 m2
	Area for machinery:	65 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 80 Lakh
	O & M cost:	Rs.32 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 :**	RG required: 2,601.78 m2 RG provided: 6,125.33 m2 (RG on Ground: 2,662 m2 & RG on Podium: 3,464 m2)
	No of trees to be cut :	-
	Number of trees to be planted :	215 Nos.
	List of proposed native trees :	Given below
	Timeline for completion of plantation :	Within 2 years of completion of construction activity

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	ERYTHRINA INDICA	Pangara	20	As medicinal value, Bird and insect attractive.
2	LAGERSTROEMIA SPECIOSA	Tamhan	20	Edible, mature fruit as medicinal value, Bird and insect attractive.
3	MIMUSOP ELENGI	Bakul	10	As medicinal value, Bird and insect attractive.
4	PONGAMIA PINNATA	Karanj	10	Valued for its oil and insect repellent, having medicinal value.
5	SARACA INDICA	Sita Ashok	40	As medicinal value, Bird and insect attractive.
6	ANTHOCEPHALUS CADAMBA	Kadamba	20	Shady, large tree, ball shaped flowers.
7	BAUHINIA PURPUREA	Apta	25	Small tree with small white flowers, Butterfly host plant
8	EUGENIA JAMBOLANA	Jambul	20	Fruit tree attracting birds
9	MICHELIA CHAMPACA	Chafa	10	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
10	MILLINGTONIA HORTENSIS	Indian cork tree	20	Evergreen Tree
11	NYCTANTHES ARBOR TRISTIS	Parijat	10	Small deciduous fast growing tree, beautiful flowers.
12	POLYALTHIA LONGIFOLIA	Ashoka Tree	10	Shady tree with red-yellow flowers.
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	200 kVA
	DG set as Power back-up during construction phase	200 kVA
	During Operation phase (Connected load):	4.4 MW
	During Operation phase (Demand load):	3.4 MW
	Transformer:	5 X 1000 kVA
	DG set as Power back-up during operation phase:	7 X 400 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	No

48.Energy saving by non-conventional method:

Solar PV Hot water to Residential Buildings, Solar lighting in landscape, open areas etc.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total Energy saving	21.85%

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. 26 Lakh
	O & M cost:	Rs. 1.3 Lakh/year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water spray for dust suppression	-	4.0
2	Site sanitation Facility and its maintenance	-	6.0
3	Potable Water Supply to Labour	-	3.0
4	Solid waste management	-	1.5
5	Disinfection	-	1.5

6	Safety Personal Protective Equipment	(Helmets, Safety Shoes, Safety Belt, Googles, Hand Gloves etc.)	15.0
7	Traffic Management (Sign Boards, Persons, at entry exit and Parking area)	-	2.5
8	Safety nets	-	5.0
9	Safety Training to Workers (Twice in Year), Safety Officer	-	3.0
10	Environmental Monitoring	(As per the CPCB guidelines through MoEF&CC Approved laboratories – Ambient Air-RSPM, PM2.5, SO2, NOx, CO), Noise: Leq day time and Night Time)	4.0

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP (Tertiary)	-	160	32
2	Solar System	-	26	1.3
3	Rainwater harvesting	-	37	1.8
4	Solid Waste Composting plant	-	80	32
5	Landscape	-	49	5
6	Environmental Monitoring	-	-	4.0

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	The project site is accessed by 18 m and 45 m Wide Road.

Parking details:	**Number and area of basement:**	1 Basement with total 8,622 m2
	Number and area of podia:	GR + 2 Podiums with total 17,279 m2 area
	Total Parking area:	23,162.39 m2
	Area per car:	22 m2
	Area per car:	22 m2
	Number of 2-Wheelers as approved by competent authority:	2W parking Required: 1,203 Nos. 2W Parking Provided: 1,203 Nos.
	Number of 4-Wheelers as approved by competent authority:	4W parking Required: 732 Nos. 4W Parking Provided: 1,057 Nos.
	Public Transport:	-
	Width of all Internal roads (m):	18 m and 45 m Wide
	CRZ/ RRZ clearance obtain, if any:	CRZ Clearance Received
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park : 2.5 km approx
	Category as per schedule of EIA Notification sheet	8 (a)
	Court cases pending if any	Not Applicable
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

DECISION OF SEAC

PP was absent, however PP submitted the letter dated 6/6/2019 regarding his absence; hence the project is deferred.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

Agenda of 102nd Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 102 **Meeting Date** June 11, 2019

Subject: Environment Clearance for Environmental Clearance for proposed Residential cum Commercial project on Plot bearing S. No. Plot bearing new C.T.S. No. 1a (pt.) , and old C.T.S. No. 1 (pt.) survey no. 41 (pt.) of village Oshiwara, link road, Andheri (w), Mumbai By Devland Infracon Pvt Ltd

Is a Violation Case: No

1.Name of Project	Devland Infracon Pvt Ltd
2.Type of institution	Private
3.Name of Project Proponent	Mr. Yogesh R Shah, Devland Infracon Pvt Ltd
4.Name of Consultant	Dr. D. A. Patil, Mahabal Enviro Engineers Pvt. Ltd.
5.Type of project	Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Plot bearing new C.T.S. No. 1a (pt.) and old C.T.S. No. 1 (pt.) survey no. 41 (pt.) of village Oshiwara, link road, Andheri (w), Mumbai.
9.Taluka	Mumbai
10.Village	Oshiwara
Correspondence Name:	Mr. Yogesh Shah, Devland Infracon Pvt ltd
Room Number:	-
Floor:	10th Floor
Building Name:	Dev Plaza, Plot No-68, Opp Andheri Fire Brigade
Road/Street Name:	S V Road
Locality:	Opp Andheri Fire Brigade
City:	Andheri (W), Mumbai
11.Whether in Corporation / Municipal / other area	MCGM
12.IOD/IOA/Concession/Plan Approval Number	-
	IOD/IOA/Concession/Plan Approval Number: CHE/WS/2914/K/W/337(NEW)
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	No work started
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	MHADA OFFER LETTER DT. 05/03/2016
15.Total Plot Area (sq. m.)	3211.15
16.Deductions	-
17.Net Plot area	3211.15
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 35468.61
	b) Non FSI area (sq. m.): 35008.78
	c) Total BUA area (sq. m.): 70477.39
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** Nil
	Approved Non FSI area (sq. m.): 8787.93
	Date of Approval: 18-12-2017
19.Total ground coverage (m2)	1970.53
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	61.37%
21.Estimated cost of the project	2510000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building No. 1	5B+G+1st Podium+ 2nd to 42nd Upper Floors	133.40

23.Number of tenants and shops	Flats : 318 Nos, Shops :-15 Nos.
24.Number of expected residents / users	1635 Nos.
25.Tenant density per hectare	102/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)	13.40 m wide road Best Colony Road and 9.00 m wide off New Link Road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	NA
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	MCGM
	Fresh water (CMD):	144
	Recycled water - Flushing (CMD):	72
	Recycled water - Gardening (CMD):	60
	Swimming pool make up (Cum):	3
	Total Water Requirement (CMD) :	220
	Fire fighting - Underground water tank(CMD):	As per NBC
	Fire fighting - Overhead water tank(CMD):	As per NBC
	Excess treated water	68
Wet season:	**Source of water**	MCGM
	Fresh water (CMD):	126
	Recycled water - Flushing (CMD):	-
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	3
	Total Water Requirement (CMD) :	220
	Fire fighting - Underground water tank(CMD):	As per NBC
	Fire fighting - Overhead water tank(CMD):	As per NBC
	Excess treated water	128
Details of Swimming pool (If any)	-	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Ground water table at depth of 3 to 4 m
	Size and no of RWH tank(s) and Quantity:	RWH tanks with total 40 KL capacity
	Location of the RWH tank(s):	Basement
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Rs. 9 Lakh
	Budgetary allocation (O & M cost) :	Rs. 0.5 Lakh/year
	Details of UGT tanks if any :	2nd Basement Floor.
35.Storm water drainage	**Natural water drainage pattern:**	The slope of the plot is towards South East side
	Quantity of storm water:	The storm water generation 385.34 m3/hr
	Size of SWD:	650 mm x 750 mm wide internal SWD drains
Sewage and Waste water	**Sewage generation in KLD:**	202 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	STP of 250 KLD capacity
	Location & area of the STP:	1st Basement
	Budgetary allocation (Capital cost):	Rs. 58 Lakh
	Budgetary allocation (O & M cost):	Rs. 13 Lakh/year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction debris: 2100 m3 Excavation for basement and foundation purpose
	Disposal of the construction waste debris:	The construction debris waste will be disposed as per Construction debris and demolition waste management Rule 2016
Waste generation in the operation Phase:	**Dry waste:**	322 kg/day
	Wet waste:	482 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	2 kg/day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Dry garbage will be disposed off to recyclers
	Wet waste:	Wet garbage will be composted using Mechanical Composting Technology and used as organic manure for landscaping
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Sludge use as manure for gardening
	Others if any:	Household E-waste generation
Area requirement:	**Location(s):**	1st Basement Floor
	Area for the storage of waste & other material:	40 m2
	Area for machinery:	25 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.20 Lakh
	O & M cost:	Rs. 8 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 :**	RG on Ground: 11902.5m2
	No of trees to be cut :	Existing trees on site: 20 Nos. Trees to be cut: Nil
	Number of trees to be planted :	40 Nos.
	List of proposed native trees :	Given below
	Timeline for completion of plantation :	Within 2 years of completion of construction activity

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	ERYTHRINA INDICA	Pangara	5	As medicinal value, Bird and insect attractive.
2	LAGERSTROEMIA SPECIOSA	Bakul	4	Edible, mature fruit as medicinal value, Bird and insect attractive.
3	MIMUSOP ELENGI	Tamhan	3	As medicinal value, Bird and insect attractive.
4	PONGAMIA PINNATA	Karanj	4	Valued for its oil and insect repellent, having medicinal value.
5	SARACA INDICA	Sita Ashok	5	As medicinal value, Bird and insect attractive.
6	ANTHOCEPHALUS CADAMBA	Kadamba	3	Shady, large tree, ball shaped flowers.
7	AZADIRACHTA INDICA	Neem	3	Semi-evergreen tree with medicinal value
8	BAUHINIA PURPUREA	Apta	2	Small tree with small white flowers, Butterfly host plant
9	MILLINGTONIA HORTENSIS	Indian cork tree	4	Evergreen Tree
10	NYCTANTHES ARBOR TRISTIS	Parijat	3	Small deciduous fast growing tree, beautiful flowers.
11	POLYALTHIA LONGIFOLIA	Ashoka Tree	4	Shady tree with red-yellow flowers.
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	Adani Power
	During Construction Phase: (Demand Load)	200 kVA
	DG set as Power back-up during construction phase	200 kVA
	During Operation phase (Connected load):	4.2 MW
	During Operation phase (Demand load):	2.1 MW
	Transformer:	-
	DG set as Power back-up during operation phase:	500 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NIL

48.Energy saving by non-conventional method:

Solar PV Hot water to Residential Buildings,
Solar Street lighting in landscape, common area passages

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	• Use of Energy Efficient Pumps & Motors for firefighting, UG Tanks and STP • Energy efficient lighting fixtures (LED lights) to all buildings • Use of energy efficient lifts • Efficient wall systems like solid blocks with fly ash content • Natural shading through elevation features to minimize heat gain and reduce air-conditioning requirement	27.71%

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. 74 Lakh
	O & M cost:	Rs. 4 Lakh/year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water spray for dust suppression	-	5
2	Site sanitation Facility and its maintenance	-	6

3	Potable Water Supply to Labour	-	8
4	Solid waste management	-	5
5	Disinfection	-	4
6	Safety Personal Protective Equipment	(Helmets, Safety Shoes, Safety Belt, Googles, Hand Gloves etc.)	10
7	Traffic Management (Sign Boards, Persons, at entry exit and Parking area)	-	6
8	Safety nets	-	20
9	Tyre cleaning and Vehicle maintenance	-	5
10	Safety Training to Workers (Twice in Year), Safety Officer	-	9
11	Environmental Monitoring	(As per the CPCB guidelines through MoEF&CC Approved laboratories – Ambient Air-RSPM, PM2.5, SO2, NOx, CO), Noise: Leq day time and Night Time)	3

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)	-	58	13
2	Solar System	-	74	4
3	Rainwater harvesting	-	9	0.5
4	Solid Waste Composting plant	-	20	8
5	Landscape	-	119	18
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:**	5 Basement with area: 12755.55 m2
	Number and area of podia:	1 Podium with area: 936.97 m2
	Total Parking area:	13692.52 m2
	Area per car:	28.5 m2
	Area per car:	28.5 m2
	Number of 2-Wheelers as approved by competent authority:	50
	Number of 4-Wheelers as approved by competent authority:	415
	Public Transport:	-
	Width of all Internal roads (m):	Min 6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park : 5 km approx
	Category as per schedule of EIA Notification sheet	8(a)
	Court cases pending if any	NA
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	15-09-2018

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

DECISION OF SEAC

PP was absent, however PP submitted the letter dated 10/6/2019 regarding his absence; hence the project is deferred.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

Agenda of 102nd Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 102 **Meeting Date** June 11, 2019

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

Is a Violation Case: No

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

22.Number of buildings & its configuration

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

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

27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	24.00 mt. wide R.P. road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.00 mt.
29.Existing structure (s) if any	Part construction completed as per EC received.
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	Maharashtra Jivan Pradhikaran (MJP)/ Tanker Water of potable quality
	Fresh water (CMD):	Shall be submitted
	Recycled water - Flushing (CMD):	Shall be submitted
	Recycled water - Gardening (CMD):	Shall be submitted
	Swimming pool make up (Cum):	Shall be submitted
	Total Water Requirement (CMD) :	Shall be submitted
	Fire fighting - Underground water tank(CMD):	Shall be submitted
	Fire fighting - Overhead water tank(CMD):	Shall be submitted
	Excess treated water	Shall be submitted

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

33.Details of Total water consumed

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

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

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

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

36.Solid waste Management

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

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

43.Green Belt Development

Total RG area :	On Ground: 13,559.80 Sq.mt.
No of trees to be cut :	No existing trees on site.
Number of trees to be planted :	Shall be submitted
List of proposed native trees :	Shall be submitted
Timeline for completion of plantation :	Before completion of project

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

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

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

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

47.Energy

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

48.Energy saving by non-conventional method:

Shall be submitted

49.Detail calculations & % of saving:

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

50.Details of pollution control Systems

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

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):

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

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

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

52.Any Other Information

No Information Available

53.Traffic Management

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

	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
13. Note on the initiated work (If applicable)	Received Prior Environmental Clearance dt. 28.06.2011 and Amendment in EC dt. 18.06.2015. Total constructed work (FSI+ Non FSI) on site till date: 1,58,884.69 Sq.mt.	Received Prior Environmental Clearance dt. 28.06.2011 and Amendment in EC dt. 18.06.2015. Total constructed work (FSI + Non FSI) on site till date: 1,86,178.17 Sq. mt.
18 (a). Proposed Built up Area (FSI & Non FSI)	FSI area (sq. m.): 5,36,573.42 Sq.mt. ; Non FSI area (sq. m.): 7,07,565.00 Sq.mt. ; Total BUA area (sq. m.): 1244138.41	FSI area (sq. m.): 5,17,512.29 ; Non FSI area (sq. m.): 6,03,709.98 Sq.mt ; Total BUA area (sq. m.): 1121222.27
18 (b). Approved Built up area as per DCR	Approved FSI area (sq. m.): 5,54,877.64 Sq.mt.	Approved FSI area (sq. m.): 5,54,836.65 Sq. mt.
19.Total ground coverage (m2)	59,262.00 Sq.mt.	58,914.80 Sq. mt.
22.Number of buildings & its configuration	Building 1A & 1B: 2 Basements + Lower Ground + Upper Ground + 2 Podia + 1st to 45th floor ; Height: 148.50	Building 1A & 1B: 2 Basements + Lower Ground + Upper Ground + 2 Podia + 1st to 45th floor ; Height: 149.80
22.Number of buildings & its configuration	Building 1C & 1D: 2 Basements + Lower Ground + Upper Ground + 2 Podia + 1st to 45th floor ; Height: 148.50	Building 1C & 1D: 2 Basements + Lower Ground + Upper Ground + 2 Podia + 1st to 45th floor ; Height: 149.80
22.Number of buildings & its configuration	Tower 5: 3 Basements + Ground + 2 Podia + 1st to 44th floors ; Height: 146.80	Tower 5: 2 Basements + Lower Ground + Upper Ground + 2 Podia + 1st to 45th floors ; Height: 149.80
22.Number of buildings & its configuration	Building 6A & 6B: 3 Basements + Ground + 2 Podia + 1st to 44th floors ; Height: 146.80	Building 6A & 6B: 2 Basements + Lower Ground + Upper ground + 2 Podia + 1st to 44th floors ; Height: 146.80
22.Number of buildings & its configuration	Building 7A: 3 Basements + Ground + 2 Podia + 1st to 44th floors ; Height: 146.80	Building 7A: 2 Basements + Lower Ground + Upper Ground + 2 Podia + 1st to 44th floors ; Height: 146.80
22.Number of buildings & its configuration	Building 10A &10B: 3 Basements + Ground + 2 Podia + 1st to 44th floors ; Height: 146.80	Building 10A &10B: 2 Basements + Lower Ground + Upper Ground + 2 Podia + 1st to 44th floors ; Height: 146.80
22.Number of buildings & its configuration	Tower 11: 3 Basements + Ground + 2 Podia + 1st to 44th floors ; Height: 149.80	Tower 11: 2 Basements + Lower Ground + Upper Ground + 2 Podia + 1st to 45th floors ; Height: 149.80
22.Number of buildings & its configuration	Tower T1: Ground + 1st to 46th floors ; Height: 143.95	Tower T1: Stilt + 1st to 5th podia (part habitable + parking) + 6th to 47th floors ; Height: 147.35
22.Number of buildings & its configuration	Tower T2 & T3: Ground + 1st to 46th floors ; Height: 143.95	Tower T2 & T3: Stilt + 1st to 5th podia (part habitable + parking) + 6th to 47th floors ; Height: 147.35
22.Number of buildings & its configuration	Tower T4 & T5: Ground + 1st to 46th floors ; Height: 143.95	Tower T4 & T5: Stilt + 1st to 5th podia (part habitable + parking) + 6th to 47th floors ; Height: 147.35
22.Number of buildings & its configuration	Club house + Commercial: Basement + Ground +1st to 4th floor ; Height: 17.40	Club house + Commercial: 1 Basement + Ground +1st to 4th floor ; Height: 22.40

23.Number of tenants and shops	Sale: Flats: 5102 nos. Shops: 28 nos.	Sale: Flats: 5150 nos. Shops: 28 nos.
24.Number of expected residents / users	47307 nos.	47462 nos.
25.Tenant density per hectare	654/hector	664/hector

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

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

PP informed that, the project under consideration is *proposed housing project amendment in environmental. PP further stated that, t*he total plot area of the project is 1,57,450.001 Sq.mt having total construction area 1244138.41 Sq.mt.(FSI -5,36,573.42 Sq. mt. + NON FSI- 7,07,565.00 Sq. mt.) and the building configuration is as follow-

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

It is noted that, Project has received Environmental clearance vide letter dated 18.06.2015.

It is noted that the project earlier considered in 99th SEAC-2 Meeting held on 15-05-2019 & ToR accorded 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 record.

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) PP to upload acknowledgement regarding plan of 5,17,512.29 Sq.mt submitted to local planning authority.
2) PP to obtain the Petroleum and Explosive Safety organisation (PESO) NoC, if require.
3) PP to upload the CFO NoC
4) PP to submit the letter from local planning authority stating No nalla exists on plot or abutting the plot.
5) PP to ensure that outlet point of storm water drains should be above HFL.
6) PP to ensure that no excess treated waste water should be discharge in river or natural nalla. PP to explore the possibility to built STP at "Z" Point for local planning authority with approval from local planning authority & CIDCO under CER activity.
7) PP to revise the shadow analysis considering the effects of all the surrounding buildings. Also submit the table regarding flats receiving direct sunlight & flats receiving defused sunlight.
8) PP to mention the source secondary data used for wind analysis.
9) PP to include the mitigation measures for tunnel & funnel effect of wind.

FINAL RECOMMENDATION

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