Agenda of 108th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 108 **Meeting Date** August 6, 2019

Subject: Environment Clearance for Expansion of Residential cum Commercial project "Atmosphere" at CTS no. 784/1, 785, 786, 788, 790, 791, 792A, 793 & 848 of village Nahur, Mumbai by Atmosphere Realty Pvt. Ltd.

Is a Violation Case: No

1.Name of Project	Atmosphere
2.Type of institution	TOR
3.Name of Project Proponent	Atmosphere Realty Pvt. Ltd.
4.Name of Consultant	Enviro Analysts and Engineers Pvt. Ltd.
5.Type of project	Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in existing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes- EC dated 12/3/2018
8.Location of the project	CTS no. 784/1, 785, 786, 788, 790, 791, 792A, 793 & 848 of village Nahur, Mumbai
9.Taluka	Kurla
10.Village	Nahur
Correspondence Name:	Atmosphere Realty Pvt. Ltd.
Room Number:	808
Floor:	8
Building Name:	Krushal Commercial Complex
Road/Street Name:	G.M. Road
Locality:	Chembur (West)
City:	Mumbai 400 089
11.Whether in Corporation / Municipal / other area	MCGM
12.IOD/IOA/Concession/Plan Approval Number	IOD
	IOD/IOA/Concession/Plan Approval Number: IOD received for Building No 1 – Wing A, B, C U/No. CHE/ES/1320/ T /337(NEW). IOD received for Building No 2 – Wing D, E, F CHE/ES/1321/ T /337(NEW)
	Approved Built-up Area: 59762
13.Note on the initiated work (If applicable)	Yes. Construction work is going on as per previous EC
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	56,509.50 sqm
16.Deductions	12,312.48 sqm
17.Net Plot area	44,197.02 sqm
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 1,64,123.15 sqm
	b) Non FSI area (sq. m.): 1,55,079.52 sqm
	c) Total BUA area (sq. m.): 319202
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 59762
	Approved Non FSI area (sq. m.): -
	Date of Approval: 06-06-2018
19.Total ground coverage (m2)	19,380.39 sqm
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	43.85%
21.Estimated cost of the project	17500000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Wing A, B, C	2B + St + 1st Podium + 2nd to 4th (Pt) Podiums + 5th to 43rd Floors with fire check floor between 21st & 22nd Floor and G + 2nd (Pt) Amenity block	141.35 m
2	Wing D, E,F, G, H	2B + St + 1st to 46th Floors with fire check floor between 21st & 22nd Floor, 42nd & 43rd Floors and 2B + G + 1st to 2nd floor Parking building and 2B + G + 1st to 17th floor Commercial block	152.95 m

23.Number of tenants and shops	Total Number of tenants: 1903 no's of flats
24.Number of expected residents / users	9257 no's
25.Tenant density per hectare	337 no’s/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)	Mulund Goregoan Link Road - 47 m wide
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	Construction started as per EC dated 12/3/2018
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	MCGM
	Fresh water (CMD):	806 KLD
	Recycled water - Flushing (CMD):	409 KLD
	Recycled water - Gardening (CMD):	60 KLD
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	1275 KLD
	Fire fighting - Underground water tank(CMD):	-
	Fire fighting - Overhead water tank(CMD):	-
	Excess treated water	480 KLD
Wet season:	**Source of water**	MCGM
	Fresh water (CMD):	806 KLD
	Recycled water - Flushing (CMD):	409 KLD
	Recycled water - Gardening (CMD):	0 KLD
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	1215 KLD
	Fire fighting - Underground water tank(CMD):	-
	Fire fighting - Overhead water tank(CMD):	-
	Excess treated water	540 KLD
Details of Swimming pool (If any)	Shall be given during EIA	

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:**	Shall be given during EIA
	Size and no of RWH tank(s) and Quantity:	Shall be given during EIA
	Location of the RWH tank(s):	Shall be given during EIA
	Quantity of recharge pits:	Shall be given during EIA
	Size of recharge pits :	Shall be given during EIA
	Budgetary allocation (Capital cost) :	Shall be given during EIA
	Budgetary allocation (O & M cost) :	Shall be given during EIA
	Details of UGT tanks if any :	Shall be given during EIA
35.Storm water drainage	**Natural water drainage pattern:**	Shall be given during EIA
	Quantity of storm water:	Shall be given during EIA
	Size of SWD:	Shall be given during EIA
Sewage and Waste water	**Sewage generation in KLD:**	1074 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	1200 KLD
	Location & area of the STP:	At Basement-1
	Budgetary allocation (Capital cost):	Shall be given during EIA
	Budgetary allocation (O & M cost):	Shall be given during EIA
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Shall be given during EIA
	Disposal of the construction waste debris:	Shall be given during EIA
Waste generation in the operation Phase:	**Dry waste:**	1842 Kg / Day
	Wet waste:	2690 Kg / Day
	Hazardous waste:	Shall be discussed during EIA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Shall be discussed during EIA
	Others if any:	-

Mode of Disposal of waste:	**Dry waste:**	To be handed over to Authorized vendor
	Wet waste:	Shall be treated in OWC
	Hazardous waste:	Shall be given during EIA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Shall be given during EIA
	Others if any:	-
Area requirement:	**Location(s):**	Shall be given during EIA
	Area for the storage of waste & other material:	Shall be given during EIA
	Area for machinery:	Shall be given during EIA
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Shall be given during EIA
	O & M cost:	Shall be given during EIA

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 :**	12119 sqm
	No of trees to be cut :	Shall be given during EIA
	Number of trees to be planted :	Shall be given during EIA
	List of proposed native trees :	Shall be given during EIA
	Timeline for completion of plantation :	till 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	Shall be given during EIA	Shall be given during EIA	Shall be given during EIA	Shall be given during EIA
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	Shall be given during EIA	Shall be given during EIA	Shall be given during EIA

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	100 KVA
	DG set as Power back-up during construction phase	-
	During Operation phase (Connected load):	18080 KW
	During Operation phase (Demand load):	9040 KW
	Transformer:	Shall be given during EIA
	DG set as Power back-up during operation phase:	Shall be given during EIA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NO

48.Energy saving by non-conventional method:

Shall be given during EIA

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %

1	Shall be given during EIA	Shall be given during EIA

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:**	Shall be given during EIA
	O & M cost:	Shall be given during EIA

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 given during EIA	Shall be given during EIA	Shall be given during EIA

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 given during EIA	Shall be given during EIA	Shall be given during EIA	Shall be given during EIA

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:	45.7 m wide road is abutting

Parking details:	**Number and area of basement:**	2 no's basement. Area: 18888.20 sqm
	Number and area of podia:	4 no's Podia. Area: 18340.47 sqm
	Total Parking area:	Shall be given during EIA
	Area per car:	Shall be given during EIA
	Area per car:	Shall be given during EIA
	Number of 2-Wheelers as approved by competent authority:	Shall be given during EIA
	Number of 4-Wheelers as approved by competent authority:	3056 No's
	Public Transport:	NA
	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	Out of SGNP boundary as per ESZ notification dated 5th Dec, 2016
	Category as per schedule of EIA Notification sheet	8 b (B)
	Court cases pending if any	NO
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	03-01-2018

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

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

Brief information of the project by SEAC

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

*PP informed that, the project under consideration is expansion in existing project. PP further stated that, t*he total plot area of the project is 56,509.50 Sq.mt. having total construction area 319202 Sq.mt. (FSI – 136795.02 Sq.mt. + NON FSI- 151692.96Sq.mt.) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Wing A, B, C	2B + St + 1st Podium + 2nd to 4th (Pt) Podiums + 5th to 43rd Floors with fire check floor between 21st & 22nd Floor and G + 2nd (Pt) Amenity block	141.35 m
Wing D, E,F, G, H	2B + St + 1st to 46th Floors with fire check floor between 21st & 22nd Floor, 42nd & 43rd Floors and 2B + G + 1st to 2nd floor Parking building and 2B + G + 1st to 17th floor ommercial block	152.95 m

It is noted that, Project has received Environmental clearance vide letter dated 12/03/2018.

It is noted that the project earlier considered in 73rd Meeting held on 09-10-2018 & deferred with observations namely 1) to provide 2-wheelar parking provision as per new DCR. 2) to submit copy of Commencement Certificate/ IOD for additional FSI as per DCR 2034. 3) to explore more options to reuse treated water, like Use in central chilling system of commercial building. 4) to ensure that, STP has 40% exposure to atmosphere for adequate ventilation. 5) to ensure that BOD of treated water should be less than 5 mg/lit. 6) to obtain Railway NOC, if require. 7) to explore the option of rain water harvesting through perforating wells to reduce salinity of ground water. 8) to provided sound Barriers along the whole length of arterial road even during construction phase. 9) to submit revised CER as per MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project. 10) to increase energy saving through solar energy from 1 % to 3%. 11) to submit HRC NOC 12) to upload Shadow analysis, Wind analysis & Thermal analysis report. Accordingly, PP submitted the compliance which was taken on record.

Committee noted that, the total built up area, building profile & configuration of the project considered during the 73rd meeting held on 09-10-2018 was changed. Net plot area & total built up area of the project is reduced but PP also has included one new commercial building in the profile. Considering this, as agreed by PP, the revised ToR is accorded.

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

DECISION OF SEAC

After discussion, Committee approved the amended ToR with following observations & additions, which is valid upto 7/8/2022. EIA will be apprised as & when submitted. Meanwhile PP should comply following points.

Specific Conditions by SEAC:

1) PP to provide 2-wheelar parking provision as per new DCR. PP to submit revised statement as per this change.
2) PP to submit copy of Commencement Certificate/ IOD for additional FSI as per DCR 2034.
3) PP to ensure that maximum treated water should be recycled.
4) PP to upload the design & cross section of STPs indicating minimum 40% area open to sky for adequate ventilation.
5) PP to obtain Railway NOC, if require.
6) PP to submit HRC NOC
7) PP to explore the option of rain water harvesting through perforating wells to reduce salinity of ground water.
8) PP to provided sound Barriers along the whole length of arterial road even during construction phase.
9) PP to increase energy saving through solar energy from 1 % to 2%.
10) PP to submit revised CER as per MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project.
11) PP to upload Shadow analysis, Wind analysis & Thermal analysis report
12) PP to also refer standard ToR published by MoEF vide order dated 10/04/15 in addition to above

FINAL RECOMMENDATION

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

Agenda of 108th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 108 **Meeting Date** August 6, 2019

Subject: Environment Clearance for Residential Project at plot bearing F.P.No. 1211 of T.P.S. IV, Mahim in G/North Ward, Prabhadevi, Mumbai by M/s Twenty Five South Realty Ltd

Is a Violation Case: No

1.Name of Project	Environmental Clearance for Residential Project at plot bearing F.P.No. 1211 of T.P.S. IV, Mahim in G/North Ward, Prabhadevi, Mumbai by M/s Twenty Five South Realty Ltd
2.Type of institution	TOR
3.Name of Project Proponent	M/s Twenty Five South Realty Ltd
4.Name of Consultant	Enviro Analysts and Engineers Pvt. Ltd.
5.Type of project	Residential project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in Environmental Clearance to the earlier EC dated 23/10/2015
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes
8.Location of the project	F.P.No. 1211 of T.P.S. IV, Mahim in G/North Ward
9.Taluka	-
10.Village	-
Correspondence Name:	Mr. Dattatraya V. Pravhu
Room Number:	-
Floor:	6th and 7th floor
Building Name:	Ackruti Center Point
Road/Street Name:	MIDC Center Road
Locality:	Gautam Nagar
City:	Marol, Andheri (E)
11.Whether in Corporation / Municipal / other area	MCGM
12.IOD/IOA/Concession/Plan Approval Number	Yes
	IOD/IOA/Concession/Plan Approval Number: IOD U/No EB/3429/GN/A dated 01/06/2018
	Approved Built-up Area: 37034.73
13.Note on the initiated work (If applicable)	Work is completed up to 3rd habitable floor as per earlier EC dated 23/10/2015
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	No
15.Total Plot Area (sq. m.)	21489.30 sqm
16.Deductions	3531.13 sqm
17.Net Plot area	17958.17 sqm
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 96518 sqm
	b) Non FSI area (sq. m.): 115543 sqm
	c) Total BUA area (sq. m.): 212061
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 37034.73 sqm
	Approved Non FSI area (sq. m.): 77132 sqm
	Date of Approval: 01-06-2018
19.Total ground coverage (m2)	8938 sqm
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	49 %
21.Estimated cost of the project	15930000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Tower A	3B + Gr. + 1st to 7th Parking Podium + Podium 8th and 9th Club Levels + 3 no's Service Floor + 1st to 44th Residential Floors + 45th and 46th Floor Duplex and 47th Floor Triplex + 1 no Fire Check Floor and Refuge at 1st, 8th, 15th, 22nd, 29th, 36th, 43rd Floor Level	215 M
2	Tower B	B + Gr. + 1st to 7th Parking Podium + Podium 8th and 9th Club Levels + 3 no's Service Floor + 1st to 54th Residential Floors + 55th and 56th Floor Duplex and 57th Floor Triplex + 1 no Fire Check Floor and Refuge at 1st, 8th, 15th, 22nd, 29th, 36th, 43rd and 50th Floor Level	245 M
3	Tower C	2B + Gr. + 1st Parking + Stilt + 1 no service floor + 1st to 31st floors	145 M

23.Number of tenants and shops	363 no's
24.Number of expected residents / users	2414 no's
25.Tenant density per hectare	169 per hectare
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	18.30 m wide D. P Road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9m/ 7.5 m
29.Existing structure (s) if any	-
30.Details of the demolition with disposal (If applicable)	-

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	MCGM
	Fresh water (CMD):	217 KLD
	Recycled water - Flushing (CMD):	109 KLD
	Recycled water - Gardening (CMD):	32 KLD
	Swimming pool make up (Cum):	2 KLD
	Total Water Requirement (CMD) :	358 KLD
	Fire fighting - Underground water tank(CMD):	Shall be provided in EIA report
	Fire fighting - Overhead water tank(CMD):	Shall be provided in EIA report
	Excess treated water	135 KLD
Wet season:	**Source of water**	MCGM
	Fresh water (CMD):	217 KLD
	Recycled water - Flushing (CMD):	109 KLD
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	2 KLD
	Total Water Requirement (CMD) :	326 KLD
	Fire fighting - Underground water tank(CMD):	Shall be provided in EIA report
	Fire fighting - Overhead water tank(CMD):	Shall be provided in EIA report
	Excess treated water	167 KLD
Details of Swimming pool (If any)	Shall be provided in EIA report	

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:**	2m to 5m
	Size and no of RWH tank(s) and Quantity:	No. of RWH Tanks: 2 no's. and Total capacity of RWH Tank: 160 cum
	Location of the RWH tank(s):	Below ground level
	Quantity of recharge pits:	-
	Size of recharge pits :	-
	Budgetary allocation (Capital cost) :	Rs. 10 lakh
	Budgetary allocation (O & M cost) :	Rs. 0.5 lakh
	Details of UGT tanks if any :	Shall be provided in EIA report
35.Storm water drainage	**Natural water drainage pattern:**	Shall be provided in EIA report
	Quantity of storm water:	Shall be provided in EIA report
	Size of SWD:	Shall be provided in EIA report
Sewage and Waste water	**Sewage generation in KLD:**	305 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	2 no's of STP. Capacity: 315 KLD
	Location & area of the STP:	Location: On Ground. Area: 255 sqm
	Budgetary allocation (Capital cost):	Rs. 40 lakh
	Budgetary allocation (O & M cost):	Rs. 7 lakh/year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Excavated Material, Top Soil Material, Road Filling Material.
	Disposal of the construction waste debris:	It will be reused.
Waste generation in the operation Phase:	**Dry waste:**	483 Kg per day
	Wet waste:	724 kg per day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	13 kg per day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Recycling process
	Wet waste:	Will be processed in the OWC. Manure obtained shall be used for landscaping and excess manure shall be sold to nearby end users.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Dry Sludge used as for Landscaping
	Others if any:	NA
Area requirement:	**Location(s):**	Ground Level
	Area for the storage of waste & other material:	47 sqm
	Area for machinery:	5 sqm
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 8 lakh
	O & M cost:	Rs. 2 lakh/year

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

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

43.Green Belt Development	**Total RG area :**	4390.48 sqm
	No of trees to be cut :	1 no's
	Number of trees to be planted :	268 no's
	List of proposed native trees :	As given below
	Timeline for completion of plantation :	Approximately 5 years

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadirachta Indica	Neem	25	Medicinal Tree
2	Ficus racemosa	Umber	22	Medicinal Tree
3	Abrus precatorius	Gunj	35	Medicinal Tree
4	Banyan	Vad	15	Medicinal Tree
5	plumeria	Champa	35	Flowering Plant
6	Delonix regia	Gulmohar	35	Flowering Tree
7	Delonix regia	Yellow Gulmoha	40	Flowering Tree
8	Spathodea campanulata	African tulip tree	35	Medicinal Plant
9	Saraca Indica	Ashoka tree	26	Tropical 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	Shall be provided in EIA report	Shall be provided in EIA report	Shall be provided in EIA report

47.Energy

Power requirement:	**Source of power supply :**	TATA Power
	During Construction Phase: (Demand Load)	100 Kw
	DG set as Power back-up during construction phase	125 kVA
	During Operation phase (Connected load):	7930 kW
	During Operation phase (Demand load):	5750 kW
	Transformer:	6no's x 1250 kVA
	DG set as Power back-up during operation phase:	2 no's x 1000 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

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

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total % Savings	13.26 %

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. 55 lakh
	O & M cost:	Rs. 1 lakh/year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water Sprinkling, Green Belt Development, Covered storage area	Rs. 5 lakh

2	Noise Environment	Noise Barricades and Green Belt Developments	Rs. 3 lakh
3	Water Environment	Modular STP, Drainage with sedimentation tanks	Rs. 3.5 lakh
4	Good Health Practices	Site Sanitation & Health Care	Rs. 2 lakh
5	Environment Monitoring	Air, water, noise soil monitoring during construction phase	Rs. 1.5 lakh

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Rain Water Harvesting	RHW tanks	Rs. 10 lakh	Rs. 0.5 lakh
2	Solid waste management	OWC	Rs. 8 lakh	Rs. 2 lakh
3	Waste water management	STP	Rs. 40 lakh	Rs. 7 lakh
4	Energy conservation	Renewable energy and saving measures	Rs. 55 lakh	Rs. 1 lakh
5	Landscaping	greenbelt	Rs. 15 lakh	Rs. 1 lakh

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 no’s

Parking details:	**Number and area of basement:**	Shall be provided in EIA report
	Number and area of podia:	Shall be provided in EIA report
	Total Parking area:	52515 sqm
	Area per car:	Shall be provided in EIA report
	Area per car:	Shall be provided in EIA report
	Number of 2-Wheelers as approved by competent authority:	182 no's
	Number of 4-Wheelers as approved by competent authority:	1107 no's
	Public Transport:	Nil
	Width of all Internal roads (m):	6.60 – 7.50 m internal road
	CRZ/ RRZ clearance obtain, if any:	Yes. F.No.21-44/2014-IA.III dated 23rd October 2015
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Shall be provided in EIA report
	Category as per schedule of EIA Notification sheet	8 (b)
	Court cases pending if any	NA
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	01-01-1900

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. M/s. Enviro Analysts and Engineers Pvt. Ltd.

PP informed that, the project under consideration is *residential project. PP further stated that, the* project earlier considered in 93rd SEAC-2 Meeting held on 25-03-2019 & ToR for the same was accorded for total built up area 2,12,061 Sq.mt, but now the total built up area proposed is 1,69,556.03 Sq.mt (FSI- 72,279.23 Sq.mt + Non-FSI 97,276.80 Sq.mt)

It is noted that, Project has received Environmental clearance vide letter dated 23/10/2015. PP submitted the EIA report 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

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

Specific Conditions by SEAC:

1) Committee noted that, the total built up area now proposed is reduced to 1,69,556.03 Sq.mt instead of 2,12,061 Sq.mt. PP to revise the online CS with respect proposed total built up area.
2) PP to submit dated Architect certificate addressing to committee regarding building wise construction (Configuration, FSI, NoN-FSI, TBUA) approvals from local Authority, actual construction done and proposed expansion.
3) PP to submit the calculation of emission from DG set.
4) PP to submit the detail storm water drain calculation
5) PP to upload the HRC NoC for wing A & obtain the HRC NoC for wing B.
6) PP to submit wind analysis, shadow analysis, traffic analysis, light and ventilation analysis reports
7) PP to upload the table stating number of flats in receiving direct sunlight & number of flats receiving diffused sunlight.

FINAL RECOMMENDATION

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

Agenda of 108th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 108 **Meeting Date** August 6, 2019

Subject: Environment Clearance for Expansion of IT Establishment/ Commercial Building Project on Plot Bearing CTS NO, 758/A, 758/B, 758/C, 759/A, 759/B, 759/C, 759/D Village Marol, Andheri-Kurla Road, Andheri (E), Mumbai.

Is a Violation Case: No

1.Name of Project	Expansion of IT Establishment/ Commercial Building Project on Plot Bearing CTS NO, 758/A, 758/B, 758/C, 759/A, 759/B, 759/C, 759/D Village Marol, Andheri-Kurla Road, Andheri (E), Mumbai.
2.Type of institution	Private
3.Name of Project Proponent	M/s. Nilkanth Tech Park Construction Pvt Ltd
4.Name of Consultant	Srujan Research & Planning Foundation
5.Type of project	Expansion of IT Establishment/ Commercial 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	Yes
8.Location of the project	CTS NO, 758/A, 758/B, 758/C, 759/A, 759/B, 759/C, 759/D
9.Taluka	Andheri
10.Village	Marol
Correspondence Name:	Mr. Harsh Mehta
Room Number:	-
Floor:	Basement
Building Name:	Time Square
Road/Street Name:	Marol, Andheri (E), Mumbai
Locality:	Andheri (E)
City:	Mumbai
11.Whether in Corporation / Municipal / other area	Municipal Corporation of Greater Mumbai (MCGM)
12.IOD/IOA/Concession/Plan Approval Number	IOD/IOA/ Concession/ Plan Approval Number: CE/8783/WS/AK dated 25.06.2018
	IOD/IOA/Concession/Plan Approval Number: IOD/IOA/ Concession/ Plan Approval Number: CE/8783/WS/AK dated 25.06.2018
	Approved Built-up Area: 120117.28
13.Note on the initiated work (If applicable)	Construction of Wing A, B, D is completed and Building C is completed up to 10th Floor and under process of construction of 11th and 12th Floor as per previous EC obtained SEIAA-EC0000001080 Dated 25 February 2019.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	CE/8783/WS/AK dated 25.06.2018
15.Total Plot Area (sq. m.)	26,332.10 Sq. m
16.Deductions	4,496.21 Sq. m
17.Net Plot area	21,835.89 Sq. m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 93440.45 Sq. m
	b) Non FSI area (sq. m.): 64023.70 Sq. m
	c) Total BUA area (sq. m.): 157464.15
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 59517.45 Sq. m
	Approved Non FSI area (sq. m.): 60599.83 Sq. m
	Date of Approval: 25-06-2018
19.Total ground coverage (m2)	19,010.83 Sq. m
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	72.2 % of total plot area
21.Estimated cost of the project	950000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Wing A & B(Existing)	3B+G+9	41.20
2	Wing C (Existing)	3B+G+12	57.40
3	Wing D (Existing)	B+G+9	41.20
4	Wing E (Expansion)	3B+G+12	57.40

23.Number of tenants and shops	This is IT / commercial Project. Total IT / commercial Existing Units: 165 Nos. Total IT / commercial Proposed Units: 77 Nos.
24.Number of expected residents / users	Existing: 7669 Expansion: 3252
25.Tenant density per hectare	215.0
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	45.70 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.0 m all around buildings
29.Existing structure (s) if any	Wing A, B, D is present at site and Building C is completed up to 10th Floor and under process of construction of 11th and 12th Floor as per previous EC obtained SEIAA-EC0000001080 Dated 25 February 2019.
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 Supply + Private Water Tanker Supply
	Fresh water (CMD):	Existing: 299 Expansion: 62
	Recycled water - Flushing (CMD):	Existing: 88 Expansion: 78
	Recycled water - Gardening (CMD):	Existing: 10 Expansion: 6
	Swimming pool make up (Cum):	Not Applicable
	Total Water Requirement (CMD) :	Existing: 657 Expansion: 244
	Fire fighting - Underground water tank(CMD):	For D: 100 KLD For A, B, C and E: 300 KLD
	Fire fighting - Overhead water tank(CMD):	Wing A: 30 KLD, Wing B: 60 KLD, Wing C: 20 KLD, Wing D: 20 KLD, Wing E: 20 KLD
	Excess treated water	0
Wet season:	**Source of water**	Municipal Supply + Private Water Tanker Supply
	Fresh water (CMD):	Existing: 289 Expansion: 62
	Recycled water - Flushing (CMD):	Existing: 88 Expansion: 78
	Recycled water - Gardening (CMD):	Existing: 0 Expansion: 0
	Swimming pool make up (Cum):	Not Applicable
	Total Water Requirement (CMD) :	Existing:647 Expansion: 238
	Fire fighting - Underground water tank(CMD):	For D: 100 KLD For A, B, C and E: 300 KLD
	Fire fighting - Overhead water tank(CMD):	Wing A: 30 KLD, Wing B: 60 KLD, Wing C: 20 KLD, Wing D: 20 KLD, Wing E: 20 KLD
	Excess treated water	0
Details of Swimming pool (If any)	Not Applicable	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Fresh water requirement	299	62	361	0	0	0	60	12	72
Domestic	88	78	166	0	0	0	88	78	166
Gardening	10	6	16	10	6	16	0	0	0

Cooling tower & thermopack	260	98	358	0	0	0	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Pre-monsoon: 5 mbgl, post-monsoon: 2-5 mbgl
	Size and no of RWH tank(s) and Quantity:	2 Nos (15.3 cum & 37.74 cum) of total capacity 53.04 cum
	Location of the RWH tank(s):	Within the site
	Quantity of recharge pits:	12 nos.
	Size of recharge pits :	58.9 cum of each pit
	Budgetary allocation (Capital cost) :	0 Lakh
	Budgetary allocation (O & M cost) :	1.25 Lakh
	Details of UGT tanks if any :	All the water tanks (raw water, fire water, STP tanks) are underground tanks Area under the Raw Water, Fire Water and Fresh Water Tank is 396.41 Sq. m
35.Storm water drainage	**Natural water drainage pattern:**	Site drains to the municipal drains naturally. Mithi River is at approx 200 m from site in East direction. Now storm water collection and recharge system is developed to manage storm run-off. Excess Run-off, if any is channelized to external storm water drain
	Quantity of storm water:	49138.3 cum (2617.2 cum/hr)
	Size of SWD:	width: 450 mm & 600 mm
Sewage and Waste water	**Sewage generation in KLD:**	Existing: 276 Expansion: 128
	STP technology:	SAFF (Submerged Aerobic Fixed Film Technology)
	Capacity of STP (CMD):	1 no of STP having capacity 420 KLD
	Location & area of the STP:	Located in Basement and Area is 266.15 sq. m
	Budgetary allocation (Capital cost):	0 Lakh
	Budgetary allocation (O & M cost):	18 Lakh

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	20-30 kg
	Disposal of the construction waste debris:	Recyclable waste will be sold to authorized vendor, remaining will be disposed to authorized vendors at designated locations
Waste generation in the operation Phase:	**Dry waste:**	Existing: 1315 Expansion: 559
	Wet waste:	Existing: 564 Expansion: 372
	Hazardous waste:	Used oil from DG sets and will be disposed off through service provider
	Biomedical waste (If applicable):	Not substantial
	STP Sludge (Dry sludge):	Existing: 44 Expansion: 18
	Others if any:	E-Waste: Existing: 4276 Expansion: 1463

Mode of Disposal of waste:	**Dry waste:**	• Segregation at source into recyclable and non-recyclable waste • Recyclable waste is sold to authorized vendor • Non-recyclable waste is collected daily through door to door service by hired authorized vendor • Non-recyclable waste is disposed through local waste collection agency in area
	Wet waste:	• Daily door to door collection by authorized vendor • Treated within in house OWC • Manure generated used within the site for gardening.
	Hazardous waste:	Used oil from DG sets and will be disposed off through service provider.
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Stabilized and will be used as manure after treated in OWC. Excess will be disposed by municipal authority
	Others if any:	E-waste will be sold to authorized vendor
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	Dry Waste: 15.4 Sq. m, Wet Waste: 14 Sq. m, OWC: 20 Sq. m
	Area for machinery:	OWC: 20 Sq. m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	0 Lakh
	O & M cost:	8 Lakh

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	DG Set-2000 kVA (Existing)	HSD (328 liter/Hr)	1	17 m	0.53	491.1 degree C
2	DG Set-2000 kVA (Existing)	HSD (328 liter/Hr)	1	17 m	0.53	491.1 degree C
3	DG Set-2000 kVA (Existing)	HSD (328 liter/Hr)	1	17 m	0.53	491.1 degree C

4	DG Set-2000 kVA (Existing)	HSD (328 liter/Hr)	1	17 m	0.53	491.1 degree C
5	DG Set-2000 kVA (Existing)	HSD (328 liter/Hr)	1	17 m	0.53	491.1 degree C
6	DG Set-2000 kVA (Existing)	HSD (360 liter/Hr)	1	17 m	0.58	510 degree C
7	DG Set-2000 kVA (OR 1000 KVA X 2 Nos. OR Equivalent configuration which is to be decided later) (Expansion)	HSD (360 liter/Hr)	1	17 m	0.58	510 degree C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD (Existing)	1312 liter/Hr	360 liter/Hr	1672 liter/Hr
2	HSD (Expansion)	1312 liter/Hr	360 liter/Hr	1672 liter/Hr
41.Source of Fuel		Authorized Dealer		
42.Mode of Transportation of fuel to site		By road		

43.Green Belt Development	**Total RG area :**	Existing: 3243.87 Sq. m Expansion: 955.38 Sq. m
	No of trees to be cut :	0
	Number of trees to be planted :	98 nos.
	List of proposed native trees :	Mention below
	Timeline for completion of plantation :	Already completed during existing 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	Michelia champaca	Chafa	29	Good for ornamental purpose.
2	Cocos nucifera	Coconut	10	fruit bearing plat
3	Lagerstroemia flos regineae	Tamhan	6	Good as an avenue tree, good for group planting around water gardens and ponds.
4	Carica papaya	Papaya	10	Fruit bearing plan
5	Mangifera indica	Mango	5	Small deciduous fruit bearing tree. different parts of the mango tree, both as food and medicine. Extracts of the bark, leaves, stems, and unripe fruits have demonstrated antibiotic properties in vitro, and are used in traditional medicine
6	Saraca indica	Ashoka	10	Good for roadside plantation and provide shade, Evergreen medicinal plant
7	Plumeria alba	Champa	10	Plumeria flowers produced most fragrant flowers

8	Azadirachta indica	Neem	8	Good for restoration of dryer parts, good for air purifier and have medicinal properties
9	Albizia lebbeck	Shirish	10	Use of Shirish has been extensively recommended to neutralize toxins in the body. It has also been used in the treatment of respiratory afflictions like bronchial asthma.
10	TOTAL	-	98	-
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	Tata Power Company
	During Construction Phase: (Demand Load)	100-150 kVA
	DG set as Power back-up during construction phase	1 x 125 kVA
	During Operation phase (Connected load):	Existing: 16358 KW (In EC letter received dated 25 FEB 2019 it is wrongly given Power requirement mentioned in previous EC dated 10 April 2014 ie. 8345 KW) Expansion: 6003 KW
	During Operation phase (Demand load):	Existing: 11607 KW (In EC Letter It Is Wrongly Given of Existing Power Requirement Ie. 6676 KW) Expansion: 4634 KW
	Transformer:	Existing: 2 X 2000 kVA Private + 1250 kVA X 4, 1 X 2500 kVA (Private) +1250 kVA X 1 + 1000 kVA x 3 (Tata Power Company Ltd) Expansion: 1250 kVA X 3 (TATA power Company Ltd.)
	DG set as Power back-up during operation phase:	Existing: 6 X 2000 kVA Expansion: 1X2000 KVA (OR 1000 KVA X 2 Nos. OR Equivalent configuration which is to be decided later)
	Fuel used:	Nil
	Details of high tension line passing through the plot if any:	Nil

48.Energy saving by non-conventional method:

• All Pumps and Lifts are provided on VFD drive which results in 30% energy saving in consumption.
• Provision of solar street lights
• Provision of LED lighting for common areas and internal lighting
• All Pumps and Lifts are proposed on VFD drive which results in 30% energy saving in consumption.
• Green belt and greenery developed around the project periphery which brings the cooling effect and will thus reduce the cooling load
• Usage of low energy embodied locally available construction material. Usage of fly ash mix cement for construction purpose.
• Orientation of building is aligned so as it allows natural day lighting in all the rooms in all the apartment and adequate ventilation.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	All Pumps and Lifts are provided on VFD drive which results in 30% energy saving in consumption. • Provision of solar street lights • Provision of LED lighting for common areas and internal lighting • All Pumps and Lifts are proposed on VFD drive which results in 30% energy saving in consumption. • Green belt and greenery developed around the project periphery which brings the cooling effect and will thus reduce the cooling load • Usage of low energy embodied locally available construction m	15%

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	120 Lakh
	O & M cost:	22 Lakh

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Health & safety of Workers (PPE, safety officers etc)	PPE, safety officers etc	4.0 Lakh (1 lakh O & M cost)
2	Environmental Monitoring	Air, Water, Noise, Soil	4.0 Lakh (2 Lakhs per environment monitoring)
3	Toilets	Hygiene, Cleanliness	4.0 Lakh(1 lakh O & M cost)
4	4.0 Lakh(1 lakh O & M cost)	Cleanliness	3.0 Lakh (0.5 Lakh O & M cost)
5	Covered sheds for storage of material	Condition, platform	8.0 Lakh (1.0 Lakh O & M cots)

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant (Already installed and operational)	Waste water Treatment	0	18
2	Green Belt Development (Already Completed)	Plantation of tree	7	15
3	Solid Waste Management (Already installed and operational)	OWC	0	8
4	Rain Water Harvesting Already installed and operational)	Recharge pits	0	1.25
5	Energy saving measures	Solar PV Cells / Streetlight/Wire rope LED light	120	22

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:	45.70 m and 18.30 m wide existing road abutting to the site and Drive way designed for the project is 6.00 mt wide.
Parking details:	**Number and area of basement:**	03 Nos. Basement in A,B,C & E wing & 01 No in D wing, Total Basement Area 51205.05 Sq. mtr.
	Number and area of podia:	Nil
	Total Parking area:	48318.00 Sq.m (All Basement parking plans are already executed and completed as per approved layout. The project has received OC for Wing A and B on 5.10.2012)
	Area per car:	34 Sq.m
	Area per car:	34 Sq.m
	Number of 2-Wheelers as approved by competent authority:	00
	Number of 4-Wheelers as approved by competent authority:	1492 Nos.
	Public Transport:	Site is accessible through road easily.
	Width of all Internal roads (m):	6 m driveway proposed
	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* at 3.37 km but site is outside declared ESZ of the National Park
	Category as per schedule of EIA Notification sheet	Category B 1, Activity 8 (b)
	Court cases pending if any	No

	Other Relevant Informations	Expansion project
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	25-02-2019

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Representative of PP Mr. Harsh Mehta was present during the meeting along with environmental consultant M/s. Surjan Research & Planning Foundation.

PP *informed that, the project under consideration is expansion of existing IT establishment/ commercial Building. PP further stated that,* the total plot area of the project is 26,332.10 Sq.mt having total construction area 157464.15 Sq.mt. (FSI – 93440.45 Sq. mt. + NON FSI- 64023.70 Sq. mt.) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Wing A & B(Existing)	3B+G+9	41.20
Wing C (Existing)	3B+G+12	57.40
Wing D (Existing)	B+G+9	41.20
Wing E (Expansion)	3B+G+12	57.40

It is noted that, Project has received Environmental clearance vide letter dated 25 February 2019.

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

DECISION OF SEAC

After discussion, Committee approved the ToR with following observations & additions, which is valid upto 7/8/2022. EIA will be apprised as & when submitted. Meanwhile PP should comply following points.

Specific Conditions by SEAC:

1) PP to upload acknowledgement regarding plan submitted to local planning authority.
2) PP to submit dated Architect certificate addressing to committee regarding building wise construction (Configuration, FSI, NoN-FSI, TBUA) approvals from local Authority, actual construction done and proposed expansion.
3) PP to ensure that STP aeration tank should be open to sky for adequate ventilation.
4) PP to submit compliance of Construction & Demolition waste management
5) PP to submit the CFO NoC.
6) PP to submit the sewerage network, water supply, storm water drain NOC from local planning authority.
7) PP to submit the detail biodiversity chapter in EIA considering the eco-sensitivity of the site.
8) PP to ensure ECBC norms are complied with.
9) PP to submit the detail plan for E waste management.
10) PP to submit Contour and slope analysis super imposed with storm water drain, sewer line map in the project and 500 mtr around the project.
11) PP to submit & upload wind analysis, shadow analysis, traffic analysis, light and ventilation analysis and measures to reduce heat island effect.
12) PP to ensure that maximum treated water should be recycled.
13) PP to submit demolition & debris disposal /waste management plan.
14) PP to submit project specific DMP.
15) PP to ensure that RG required is as per the norms and should be on Mother Earth.
16) PP to verify the distance of project site from Flamingo Sanctuary. PP to submit & upload the same.
17) PP to submit CER as per MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project or Environment Department may direct PP to undertake CER work in identified area.
18) PP to also refer standard ToR published by MoEF vide order dated 10/04/15 in addition to above

FINAL RECOMMENDATION

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

Agenda of 108th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 108 **Meeting Date** August 6, 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

Representative of PP was present during the meeting along with environmental consultant M/s. Fine Envirotech Engineers.

PP informed that, the project under consideration is *proposed Housing and Police staff quarters residence for Mumbai police project. PP further stated that,* the total plot area of the project is 244939.6 Sq.mt having total construction area 35345.44 Sq.mt(FSI -35345.44 sq.mt) and the building configuration is as follow-

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

It is noted that the project earlier considered in 102nd Meeting Meeting held on 11-06-2019 & deferred due to PP was absent.

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

DECISION OF SEAC

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 revised reply for compliance point i.e “PP to either get plot area for which proposal is submitted, subdivide or submit the revised proposal with entire layout of the plot supported with administrative approval from competent police authority above how the entire plot is to be develop.
2) PP to ensure that RG area in front of training centre should not be concretised.
3) PP to ensure that, the project should be zero discharge during Non- Monsoon period.
4) PP to provide 2 wheeler parking.
5) PP to upload the Brihanmumbai Storm water Disposal System (BRIMSTOWAD) report & the measures taken regarding the same, as Mithi River is abutting the plot under consideration.
6) 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
7) 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 108th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 108 **Meeting Date** August 6, 2019

Subject: Environment Clearance for Environment Clearance for proposed development of IITT comprising of IT & Commercial Buildings, School Building, Residential Buildings, Membership Club and other miscellaneous structures on Plot No 4 in TTC Industrial Area, MIDC, Ghansoli, Navi Mumbai

Is a Violation Case: No

1.Name of Project	Proposed development of IITT comprising of IT & Commercial Buildings, School Building, Residential Buildings, Membership Club and other miscellaneous structures on Plot No 4 in TTC Industrial Area, MIDC, Ghansoli, Navi Mumbai
2.Type of institution	TOR
3.Name of Project Proponent	M/S. Standard Industries Limited
4.Name of Consultant	M/S. Enviro Analysts & Engineers Pvt. Ltd.
5.Type of project	Integrated Information Technology Township (IITT)
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	On plot no 4 in TTC Industrial Area, MIDC, Ghansoli, Navi Mumbai
9.Taluka	Thane
10.Village	Ghansoli
Correspondence Name:	Mr. Nikhil Mehta
Room Number:	Plot No C-30, Block G, Opposite SIDBI
Floor:	6th
Building Name:	Raheja Towers
Road/Street Name:	Bandra Kurla Complex
Locality:	Bandra East
City:	Mumbai - 400051
11.Whether in Corporation / Municipal / other area	Maharashtra Industrial Development Corporation (MIDC)
12.IOD/IOA/Concession/Plan Approval Number	Application done to MIDC vide letter dated 15-01-2019
	IOD/IOA/Concession/Plan Approval Number: Application done to MIDC vide letter dated 15-01-2019
	Approved Built-up Area: 0.00
13.Note on the initiated work (If applicable)	Nil
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Application done to MIDC vide letter dated 15-01-2019
15.Total Plot Area (sq. m.)	251934.31 Sq.m.
16.Deductions	0.00
17.Net Plot area	251934.31 Sq.m.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 251934.31
	b) Non FSI area (sq. m.): 275575.10
	c) Total BUA area (sq. m.): 527509.41
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 0.00
	Approved Non FSI area (sq. m.): 0.00
	Date of Approval: 01-06-2019
19.Total ground coverage (m2)	79060.54 Sq.m.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	31.38 %
21.Estimated cost of the project	24400000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	IT Building No. 1	2 Basement + Ground +7 Podium + 14 Office Floors	95.80
2	IT Building No. 2 (with commercial building above)	2 Basement + Ground +7 Podium + 14 Office floors + 11 floor of Commercial	142.00
3	IT Building No. 3, 4, 5, 6 & 7	1 Basement + Ground + 1 Podium + 2 Office Floors	16.00
4	School	Basement 1 + Ground + 3 Floors	13.80
5	Membership Club	Basement 1 + Ground + 2 Floors	10.50
6	Residential Tower 1, 2, 3, 4, 5 & 6	2 Basement + Ground + 3 Podium + 30 Floors	109.20
7	Residential Tower 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18 & 19	1 Basement + Ground + 4 Floors	13.20

23.Number of tenants and shops	IT & Commercial Buildings (FSI Area): 1,70,902 Sq.m. School: 1 no. Membership Club: 1 no. Residential Tenements: 1,302 nos.
24.Number of expected residents / users	IT & Commercial Buildings: 17,091 nos. , School of students: 2,530 nos., Residential: 5,124 nos., Floating Population: 2,474 nos. ,Total population: nos. 27,219 nos.
25.Tenant density per hectare	52 tenants per hector
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Existing 45.0 m wide Thane Belapur road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.0 m (minimum)
29.Existing structure (s) if any	Yes. Existing industrial structures on site.
30.Details of the demolition with disposal (If applicable)	Existing structures on site which will be demolished 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**	MIDC/ Recycled water from STP
	Fresh water (CMD):	964
	Recycled water - Flushing (CMD):	648
	Recycled water - Gardening (CMD):	266
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	1878
	Fire fighting - Underground water tank(CMD):	5200
	Fire fighting - Overhead water tank(CMD):	340
	Excess treated water	0
Wet season:	**Source of water**	MIDC/ Recycled water from STP/RWH
	Fresh water (CMD):	964
	Recycled water - Flushing (CMD):	648
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	1612
	Fire fighting - Underground water tank(CMD):	5200
	Fire fighting - Overhead water tank(CMD):	340
	Excess treated water	0
Details of Swimming pool (If any)	--	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	As per recorded in soil investigation study.
	Size and no of RWH tank(s) and Quantity:	Total Capacity of RWH Tanks: 1925 Cum.
	Location of the RWH tank(s):	Will be Studied at the time of EIA
	Quantity of recharge pits:	Not Applicable
	Size of recharge pits :	Not Applicable
	Budgetary allocation (Capital cost) :	Will be Studied at the time of EIA
	Budgetary allocation (O & M cost) :	Will be Studied at the time of EIA
	Details of UGT tanks if any :	Domestic tank Capacity: 964 Cum. Flushing tank Capacity: 648 Cum. Fire UG tank Capacity: 5200 Cum.
35.Storm water drainage	**Natural water drainage pattern:**	East to West
	Quantity of storm water:	1.61 Cum./s
	Size of SWD:	Width: 0.9 m, Depth: 0.9 m
Sewage and Waste water	**Sewage generation in KLD:**	1612
	STP technology:	MBBR
	Capacity of STP (CMD):	Total STP capacity: 1530 Cum.
	Location & area of the STP:	Will be Studied at the time of EIA
	Budgetary allocation (Capital cost):	Will be Studied at the time of EIA
	Budgetary allocation (O & M cost):	Will be Studied at the time of EIA
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Will be Studied at the time of EIA
	Disposal of the construction waste debris:	Will be Studied at the time of EIA
Waste generation in the operation Phase:	**Dry waste:**	3276 kg/day
	Wet waste:	3205 kg/day
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	77 Kg/day
	Others if any:	E-waste shall be handed over to MPCB authorized dealers

Mode of Disposal of waste:	**Dry waste:**	Dry garbage will be segregated & disposed off to recyclers/Vans
	Wet waste:	Processed in OWC. The manure obtained shall be used for Gardening; Excess manure shall be sold to nearby end users.
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Dry sludge will be used as manure
	Others if any:	E-waste shall be handed over to MPCB authorized dealers
Area requirement:	**Location(s):**	On Ground
	Area for the storage of waste & other material:	3 nos. of machines proposed
	Area for machinery:	5 Sq.m. per machine
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Will be Studied at the time of EIA
	O & M cost:	Will be Studied at the time of EIA

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

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

43.Green Belt Development	**Total RG area :**	RG Area: 38,029.98 Sq.m. & Amenity Area: 12,605.37 Sq.m.
	No of trees to be cut :	Will be Studied at the time of EIA
	Number of trees to be planted :	Will be Studied at the time of EIA
	List of proposed native trees :	Will be Studied at the time of EIA
	Timeline for completion of plantation :	Will be Studied at the time of EIA

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	Will be Studied at the time of EIA	Will be Studied at the time of EIA	Will be Studied at the time of EIA	Will be Studied at the time of EIA
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	Will be Studied at the time of EIA	Will be Studied at the time of EIA	Will be Studied at the time of EIA

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	200 kW
	DG set as Power back-up during construction phase	150 kVA
	During Operation phase (Connected load):	55,564 kW
	During Operation phase (Demand load):	35,748 kW
	Transformer:	As per MSEDCL norms
	DG set as Power back-up during operation phase:	17 nos. 900 kVA, 3 nos. of 900 KVA, 1 no. of 500 kVA, 1 no. of 750 kVA, 1 no. of 2000 kVA, 1 no. of 1000 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	Yes

48.Energy saving by non-conventional method:

- Use of solar PV Panels
- Use of LED lights instead of T8 florescent light.
- Use of VFDs
- Use of High efficient motors and pumps

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Will be Studied at the time of EIA	Will be Studied at the time of EIA

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Will be Studied at the time of EIA
	O & M cost:	Will be Studied at the time of EIA

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Will be Studied at the time of EIA	Will be Studied at the time of EIA	Will be Studied at the time of EIA

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Will be Studied at the time of EIA	Will be Studied at the time of EIA	Will be Studied at the time of EIA	Will be Studied at the time of EIA

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	2 nos. of entry/Exit from the service road of Thane Belapur road

Parking details:	**Number and area of basement:**	2 nos. of basements in IT Building 1 & 2, residential tower 1 to 6 respectively. 1 basement in IT Building 3 to 7, School & Membership Club respectively. Total Area of basement: 63,819 Sq.m.
	Number and area of podia:	7 Podiums in IT Buildings 1 & 2, 1 Podium in IT Buildings 3 to 7, 3 Podiums in residential towers 1 to 6. Total Podium Area: 1,10,573 Sq.m.
	Total Parking area:	1,74,392 Sq.m.
	Area per car:	40 Sq.m.
	Area per car:	40 Sq.m.
	Number of 2-Wheelers as approved by competent authority:	390 nos.
	Number of 4-Wheelers as approved by competent authority:	4258 nos.
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	More than 9.00 m
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	-
	Category as per schedule of EIA Notification sheet	8 (b) Category 'B1'
	Court cases pending if any	No
	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. Enviro Analysts & Engineers Pvt. Ltd.

PP informed that, the project under consideration is integrated information technology township (IITT) project. PP further stated that, the total plot area of the project is 251934.31 Sq.mt having total construction area 527509.41 Sq.mt.(FSI – 251934.31 sq.mt +NON FSI- 275575.10 Sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
IT Building No. 1	2 Basement + Ground +7 Podium + 14 Office Floors	95.80
IT Building No. 2 (with commercial building above)	2 Basement + Ground +7 Podium + 14 Office floors + 11 floor of Commercial	142.00
IT Building No. 3, 4, 5, 6 & 7	1 Basement + Ground + 1 Podium + 2 Office Floors	16.00
School	Basement 1 + Ground + 3 Floors	13.80
Membership Club	Basement 1 + Ground + 2 Floors	10.50
Residential Tower 1, 2, 3, 4, 5 & 6	2 Basement + Ground + 3 Podium + 30 Floors	109.20
Residential Tower 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18 & 19	1 Basement + Ground + 4 Floors	13.20

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.

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

PP informed that, the project under consideration is integrated information technology township (IITT) project. PP further stated that, the total plot area of the project is 251934.31 Sq.mt having total construction area 527509.41 Sq.mt.(FSI – 251934.31 sq.mt +NON FSI- 275575.10 Sq.mt) and the building configuration is as follow-

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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

DECISION OF SEAC

After discussion, Committee approved the ToR with following observations & additions, which is valid upto 7/8/2022. EIA will be apprised as & when submitted. Meanwhile PP should comply following points.

Specific Conditions by SEAC:

1) PP to upload acknowledgement regarding plan submitted to local planning authority.
2) It is noted that, the height of the residential tower mentioned in the CS is wrong. PP to correct the online CS accordingly.
3) PP to submit the dated Architect certificate addressed to committee regarding building-wise construction done on site as per earlier EC.
4) PP to submit demolition & debris disposal /waste management plan. As agreed by PP, PP to reuse the debris in project itself
5) PP to submit the structural engineer's certificate regarding plinth & foundation of the project will be constructed as per strength of permissible FSI. which the PP proposes that he will take up subsequently.
6) PP to submit HRC NoC.
7) PP to submit the CFO NoC.
8) PP to submit the sewerage network, water supply, storm water drain NOC from local planning authority.
9) PP to submit the detail biodiversity chapter in EIA considering the eco-sensitivity of the site.
10) PP to submit the DP remarks.
11) PP to ensure ECBC norms are complied with
12) PP to submit Contour and slope analysis super imposed with storm water drain, sewer line map in the project and 500 mtr around the project.
13) PP to submit & upload wind analysis, shadow analysis, traffic analysis, light and ventilation analysis and measures to reduce heat island effect.
14) PP to ensure that maximum treated water should be recycled.
15) PP to submit project specific DMP.
16) PP to ensure that RG required is as per the norms and should be on Mother Earth.
17) PP to submit & upload the design & cross section of STPs indicating minimum 40% area open to sky for adequate ventilation.
18) PP to verify the distance of project site from Flamingo Sanctuary. PP to submit & upload the same.
19) PP to submit CER as per MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project or Environment Department may direct PP to undertake CER work in identified area.
20) PP to also refer standard ToR published by MoEF vide order dated 10/04/15 in addition to above

FINAL RECOMMENDATION

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

Agenda of 108th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 108 **Meeting Date** August 6, 2019

Subject: Environment Clearance for Municipal Solid Waste Processing and Disposal facility at Village Manda, Titwala-West in KDMC

Is a Violation Case: No

1.Name of Project	Common Municipal Solid Waste Management Facility (CMSWMF) at Sector 7 reservation No 1 Manda Titwala Kalyan west
2.Type of institution	Government
3.Name of Project Proponent	Kalyan Dombivli Municipal Corporation-
4.Name of Consultant	IRG Systems South Asia Pvt. Ltd.
5.Type of project	Common Municipal Solid Waste Management Facility (CMSWMF) Waste Processing and Disposal facility at Village Manda, Titwala- West in KDMC
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	Survey No. 177/192/231
9.Taluka	Kalyan
10.Village	Manda
Correspondence Name:	Deputy Municipal Commissioner
Room Number:	Kalyan Dombivil Municipal Corporation
Floor:	Shankarrao Chowk
Building Name:	NA
Road/Street Name:	NA
Locality:	NA
City:	Kalyan
11.Whether in Corporation / Municipal / other area	Kalyan Dombivali Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	IOD/IOA/Concession/Plan Approval Number: Plan will be send to Planning authority KDMC as per MRTP act 1966 Clause 58
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	1,00,700.0 m2
16.Deductions	NA
17.Net Plot area	32,000.0 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** NA
	b) Non FSI area (sq. m.): NA
	c) Total BUA area (sq. m.):
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** NA
	Approved Non FSI area (sq. m.): NA
	Date of Approval: 01-01-1900
19.Total ground coverage (m2)	32000 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	31.77%
21.Estimated cost of the project	216300000

22.Number of buildings & its configuration

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

23.Number of tenants and shops	NA
24.Number of expected residents / users	NA
25.Tenant density per hectare	NA
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	NA
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	NA
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	Compost	NA	18 % of total waste quantity	18 % of total waste quantity
2	RDF	NA	20 % of total waste quantity	20 % of total waste quantity

32.Total Water Requirement

Dry season:	**Source of water**	KDMC/ Tanker
	Fresh water (CMD):	6.0 m3/day
	Recycled water - Flushing (CMD):	NA
	Recycled water - Gardening (CMD):	10.0 m3/day
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	73.9 m3/day
	Fire fighting - Underground water tank(CMD):	NA
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	NA
Wet season:	**Source of water**	KDMC/ Tanker
	Fresh water (CMD):	6.0 m3/day
	Recycled water - Flushing (CMD):	NA
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	63.9 m3/day
	Fire fighting - Underground water tank(CMD):	NA
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	10.0 m3/day
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**
Industrial Process	NA	NA	NA	NA	NA	NA	NA	NA	NA

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	7.5 m
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	NA
	Budgetary allocation (O & M cost) :	NA
	Details of UGT tanks if any :	2 tanks of 50000 liters
35.Storm water drainage	**Natural water drainage pattern:**	As per gravity
	Quantity of storm water:	0.930 Cum/Sec
	Size of SWD:	NA
Sewage and Waste water	**Sewage generation in KLD:**	4.0 m3/day
	STP technology:	NA
	Capacity of STP (CMD):	NA
	Location & area of the STP:	NA
	Budgetary allocation (Capital cost):	NA
	Budgetary allocation (O & M cost):	NA
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	10 Kg/day from labour activity.
	Disposal of the construction waste debris:	Will be Utilized in low-land leveling & base preparation of internal roads. Some quantity of Excavation soil will be use for backfilling and remaining will be hand over to authorize vendor.
Waste generation in the operation Phase:	**Dry waste:**	10 Kg/day
	Wet waste:	5 Kg/day
	Hazardous waste:	Spent oil or oil grease for DG sets, paints etc.
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Dry waste will be disposed off at site itself.
	Wet waste:	Wet waste will be disposed off at site itself.
	Hazardous waste:	Handed over to authorized Vendor/Recycler
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Area requirement:	**Location(s):**	On site disposal Facility
	Area for the storage of waste & other material:	NA
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	NA
	O & M cost:	NA

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	-	5.8	7.2	5.5 - 9.0
2	Dissolved solids	mg/l	3500	2000	2100
3	COD	mg/l	1700	-	-

Amount of effluent generation (CMD):	15 m3/Day
Capacity of the ETP:	20 m3/Day
Amount of treated effluent recycled :	100 % recycled
Amount of water send to the CETP:	NA
Membership of CETP (if require):	NA
Note on ETP technology to be used	It is physio-chemical treatment with extended aeration and biological treatment with pressure sand filter and activated carbon filter as tertiary treatment .
Disposal of the ETP sludge	Captive landfill

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used/spent oil	5.1	Liters	NA	15 liters	15 liters	Will be handed over to Authorized Recycler

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 Stack	High speed diesel	1	10 m	0.3	125°C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	High speed diesel	Not applicable	NA	Will be required only in case of power failure

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

43.Green Belt Development	**Total RG area :**	9033 m2
	No of trees to be cut :	Phoenix sp. (Palm), Ziziphus sp. (shrub), grasses are sparsely present which will be cleared for proposed development of CMSWMF.
	Number of trees to be planted :	9000
	List of proposed native trees :	Selection of locally adopted non-edible perennial plants
	Timeline for completion of plantation :	before the commencement of the operation 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	Actinodaphne angustifolia	Pisa	90	Locally adopted non-edible perennial plants that are resistant to drought and extreme temperatures
2	Adina cordifolia	Haldu	90	Locally adopted non-edible perennial plants that are resistant to drought and extreme temperatures
3	Adina cordifolia	Haldu	90	Locally adopted non-edible perennial plants that are resistant to drought and extreme temperatures
4	Albizia lebbeck	Siris Tree	90	Locally adopted non-edible perennial plants that are resistant to drought and extreme temperatures
5	Bauhinia semla	Semla	90	Locally adopted non-edible perennial plants that are resistant to drought and extreme temperatures
6	Bauhinia varcgata	Kanchan	90	Locally adopted non-edible perennial plants that are resistant to drought and extreme temperatures
7	Butea monosperma	Flame of the forest	90	Locally adopted non-edible perennial plants that are resistant to drought and extreme temperatures
8	Dalbergia sisoo	Sissoo	90	Locally adopted non-edible perennial plants that are resistant to drought and extreme temperatures
9	Dryptes roxburghii	Putranjiva	90	Locally adopted non-edible perennial plants that are resistant to drought and extreme temperatures

10	Garcinia indica Chois	Kokam	90	Locally adopted non-edible perennial plants that are resistant to drought and extreme temperatures
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	Ziziphus sp.	1	3011

47.Energy

Power requirement:	**Source of power supply :**	M.S.E.D.C.L.
	During Construction Phase: (Demand Load)	15 KVA
	DG set as Power back-up during construction phase	125 KVA
	During Operation phase (Connected load):	NA
	During Operation phase (Demand load):	250 KVA
	Transformer:	NA
	DG set as Power back-up during operation phase:	125 KVA
	Fuel used:	High Speed Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

NA

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	NA	NA

50.Details of pollution control Systems

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

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water for Dust Suppression	Dust control	1.0
2	Site Sanitation, Safety & Disinfection	Workers Health	2.0
3	Environmental Monitoring	Air, Water, Soil, Noise sampling & testing	4.0
4	Occupational Health	Health Check up	3.0

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Lechate Treatment Plant	Waste water treatment	15.0	4.0
2	Odour Control	Odour supression	5.0	-
3	Landscape	Tree plantation & gardening	15.0	2.0

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
NA	NA	NA	NA	NA	NA	NA	NA

52.Any Other Information

No Information Available

53.Traffic Management

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

Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	NA
	Area per car:	NA
	Area per car:	NA
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	NA
	Public Transport:	NA
	Width of all Internal roads (m):	NA
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Nil in 10 Km Area
	Category as per schedule of EIA Notification sheet	7 (i) Common Municipal Solid Waste Management Facility (CMSWMF)
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

PP was absent. But committee noted that, the project is of Municipal Solid Waste Processing and Disposal facility & the application is under 7 (i) Common Municipal Solid Waste Management Facility (CMSWMF) category of schedule of EIA Notification, 20066 not 8 a or 8 B- construction & Area development. Considering this, **Committee decided to transfer the said proposal to the concern SEAC i.e SEAC-1**

DECISION OF SEAC

PP was absent. But committee noted that, the project is of Municipal Solid Waste Processing and Disposal facility & the application is under 7 (i) Common Municipal Solid Waste Management Facility (CMSWMF) category of schedule of EIA Notification, 20066 not 8 a or 8 B- construction & Area development. Considering this, **Committee decided to transfer the said proposal to the concern SEAC i.e SEAC-1**

Specific Conditions by SEAC:

FINAL RECOMMENDATION

Kindly find SEAC decision above.

Agenda of 108th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 108 **Meeting Date** August 6, 2019

Subject: Environment Clearance for MCGM's Khurshaji Beheamji Bhabha Municipal General Hospital

Is a Violation Case: No

1.Name of Project	Khurshaji Beheamji Bhabha Municipal General Hospital
2.Type of institution	Government
3.Name of Project Proponent	MCGM
4.Name of Consultant	Pollution and Ecology Control Services
5.Type of project	MCGM Hospital
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion of Existing Hospital
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	CTS no. 1075, of village Bandra F-Division, located at R.K. Patkar Marg, H/W ward
9.Taluka	Bandra
10.Village	Bandra
Correspondence Name:	Dr. Pradip Appaji Jadhav
Room Number:	NA
Floor:	7th Floor
Building Name:	Building Name K.B. Bhabha Municipal General Hospital
Road/Street Name:	Bandra West
Locality:	Bandra West
City:	Mumbai 400050
11.Whether in Corporation / Municipal / other area	Municipal Corporation of Greater Mumbai (MCGM)
12.IOD/IOA/Concession/Plan Approval Number	IOD dated 22 November, 2006
	IOD/IOA/Concession/Plan Approval Number: IOD dated 22 November, 2006
	Approved Built-up Area: 14872.50
13.Note on the initiated work (If applicable)	Existing structure in which hospital activities are carrying out (Earlier not applicable for EC) Proposed work not yet started
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	IOD dated 22 November, 2006
15.Total Plot Area (sq. m.)	5886.40
16.Deductions	Nil
17.Net Plot area	5886.40
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 27772.76
	b) Non FSI area (sq. m.): 10429.76
	c) Total BUA area (sq. m.): 38181.017
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 12481.00
	Approved Non FSI area (sq. m.): 2391.50
	Date of Approval: 22-11-2006
19.Total ground coverage (m2)	3010.30
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	51.14
21.Estimated cost of the project	2194720948.35

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Proposed New Building	2 Basements+ Ground + 12 floors	44.95
2	Reconstruction of Mortuary Building	Ground	5.5
3	Existing Hospital Building	Ground +10 floors	40.35
4	Existing RMO Staff Quarters	Ground +11 floors	36.75
5	Future expansion of MO Bungalow in to Medical Store	Ground +10 floors	40.35

23.Number of tenants and shops	523 beds, 20 no. of Staff Quarter rooms
24.Number of expected residents / users	12542 including patients, visitors and Staff quarters
25.Tenant density per hectare	924
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	60 ft wide Waterfield road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	minimum 9 mt wide
29.Existing structure (s) if any	Existing Hospital Building, Mortuary Building, RMO Staff Quarters, MO Bungalow
30.Details of the demolition with disposal (If applicable)	Demolition of Mortuary building for reconstruction

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):	399
	Recycled water - Flushing (CMD):	137.9
	Recycled water - Gardening (CMD):	8.2
	Swimming pool make up (Cum):	00
	Total Water Requirement (CMD) :	537.9
	Fire fighting - Underground water tank(CMD):	400
	Fire fighting - Overhead water tank(CMD):	120
	Excess treated water	207.11
Wet season:	**Source of water**	MCGM
	Fresh water (CMD):	399
	Recycled water - Flushing (CMD):	137.9
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	00
	Total Water Requirement (CMD) :	537.9
	Fire fighting - Underground water tank(CMD):	400
	Fire fighting - Overhead water tank(CMD):	120
	Excess treated water	215.34
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	271	399.9	399.9	40.7	59.9	59.9	00	75	75

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	5mt - 6 mt
	Size and no of RWH tank(s) and Quantity:	2 RWH tanks of 40 m3/d capacity each
	Location of the RWH tank(s):	Below ground
	Quantity of recharge pits:	Not Applicable
	Size of recharge pits :	Not Applicable
	Budgetary allocation (Capital cost) :	10 Lakh
	Budgetary allocation (O & M cost) :	0.5 Lakh/ yr
	Details of UGT tanks if any :	Raw water Tank: 50 m3/d, Domestic Water Tank: 150 m3/d, Fire fighting tank no. 1: 19 m3/d, Fire fighting tank no. 2: 21 m3/d, Rain water harvesting tank no. 1: 40 m3/d, Rain water harvesting tank no. 2: 40 m3/d
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 drains
	Quantity of storm water:	0.29 m3/sec
	Size of SWD:	450 mm wide Storm water drain
Sewage and Waste water	**Sewage generation in KLD:**	493.30
	STP technology:	MBR technology
	Capacity of STP (CMD):	550 KLD capacity of STP
	Location & area of the STP:	Under ground and opening from ground with area of 390 sq mt
	Budgetary allocation (Capital cost):	240 Lakh for STP & ETP
	Budgetary allocation (O & M cost):	90 Lakh/yr for STP & ETP
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	90 kg/day
	Disposal of the construction waste debris:	Scrap materials will be disposed off to Authorized Vendors
Waste generation in the operation Phase:	**Dry waste:**	865.51
	Wet waste:	811.62
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	298.08
	STP Sludge (Dry sludge):	4.93 m3
	Others if any:	Not Applicable

Mode of Disposal of waste:	**Dry waste:**	Dry garbage will be segregated and disposed off to recyclers
	Wet waste:	Wet garbage would be composted using OWC and or IVC Vessel and compost will be used as manure
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Disposed off to CBWFT through M/s. SMS Envoclean BMW Management (P) Ltd.
	STP Sludge (Dry sludge):	Used as Manure
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	Upper Basement
	Area for the storage of waste & other material:	70 sq mt
	Area for machinery:	70 sq mt
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	10 Lakhs
	O & M cost:	0.5 Lakh/year

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	Not applicable	5 - 10	6.0-8.5	6.0-8.5
2	BOD [5days at 27 °C]	mg/l	250-400	10	10
3	Suspended Solids	mg/l	200-450	Less than 10	Less than 10
4	COD	mg/l	600-800	30	30

Amount of effluent generation (CMD):	75
Capacity of the ETP:	75
Amount of treated effluent recycled :	75
Amount of water send to the CETP:	Treated water will be sent to STP
Membership of CETP (if require):	Not applicable
Note on ETP technology to be used	Not applicable
Disposal of the ETP sludge	No sludge will be created, as after treatment water will be taken into STP

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 :**	1176.99
	No of trees to be cut :	17
	Number of trees to be planted :	Total 62 (including existing trees)
	List of proposed native trees :	62
	Timeline for completion of plantation :	Not Applicable

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Samanea Saman	Rain Tree	1	The tree provides plenty of shade with its big umbrella-shaped crown. When it blooms, the crown of this tree is covered in clusters of pink-white flowers
2	Ficus racemosa	Jungali Umbar	1	Consists of medicinal values
3	Manikara zapota	Chickoo	2	Fruit bearing tree
4	Michelia champaca	Champa	4	Flower bearing and bird attracting tree
5	Mimusopes elengi	Bakul	5	The wood is a luxurious wood that is extremely hard, strong and tough
6	Ficus benjamica	Weeping fig	9	Used as an Ornamental tree
7	Cassica fistula	Golden shower	6	A tall deciduous bird attracting tree
8	Butea monosperma	Flame tree	8	Flower bearing tree and bird attracting tree
9	Cassica grandis	Pink Shower	4	Fruit bearing tree
10	Saraca indica	Sita Ashoka	3	cures dysentery, spongy gums, ulcers, diabetes, asthma, leucorrhea and urinary problems.
11	Roystonea regia	Royal Palm	4	fast-growing royal palm features a long, smooth trunk that tapers as it reaches upward.
12	Syzygium cumini	Jambhul	4	Fruit bearing tree
13	Neolamarkia cadamba	Kadamba	5	important medicinal plants belonging to the Rubiaceae family.
14	Mangifera india	Mango Tree	4	Mango tree is a evergreen fruit bearing tree
45.Total quantity of plants on ground				

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

Serial Number	Name	C/C Distance	Area m2

1	Not Applicable	Not Applicable	Not Applicable

47.Energy

Power requirement:	**Source of power supply :**	Adani Power
	During Construction Phase: (Demand Load)	120 kW
	DG set as Power back-up during construction phase	Not Applicable
	During Operation phase (Connected load):	4237 kW
	During Operation phase (Demand load):	1896 kW
	Transformer:	Not Applicable
	DG set as Power back-up during operation phase:	1010 KVA capacity of DG Set
	Fuel used:	HDF
	Details of high tension line passing through the plot if any:	Not Applicable

48.Energy saving by non-conventional method:

Using Solar Energy: 2.6 %

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Using energy efficient lighting	30%
2	Using energy efficient appliances like pump, in lifts etc	15%
3	Using any other method for obtaining energy saving	1%

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	12 Lakhs
	O & M cost:	1 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	Dust Suppressant and barricading	Air pollution and erosion control	2

2	PPE for workers (gloves, specs, boots, etc.)	Site Safety and Health Safety	1
3	Bio Toilets and Basin	Site Sanitation	1.5
4	Health Checkup	Health Checkup	1.5
5	Air, water, soil, noise monitoring	Monitoring	1.5

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP & ETP	Waste Water & Effluent water Treatment	240	90
2	MSW	OWC & IVC	10	0.5
3	RWH	RWH	10	0.5
4	Landscape	RG Landscape area	12	0.84

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:	60 ft wide Waterfield road

Parking details:	**Number and area of basement:**	Lower Basement: 315.84 st mt, Upper Basement: 703.30 sq mt
	Number and area of podia:	Not Applicable
	Total Parking area:	388.46 sq mt
	Area per car:	12.5 sq mt
	Area per car:	12.5 sq mt
	Number of 2-Wheelers as approved by competent authority:	25
	Number of 4-Wheelers as approved by competent authority:	25
	Public Transport:	Bandra Railway Station
	Width of all Internal roads (m):	Minimum 6 mt wide
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	Category 8(a)B2
	Court cases pending if any	Not Applicable
	Other Relevant Informations	Not Applicable
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Representative of PP Dr. Wadekar was present during the meeting along with environmental consultant M/s. Pollution and Ecology Control Services.

PP informed that, the project under consideration is expansion of existing MCGM hospital. PP further stated that, the total plot area of the project is 5886.40 Sq.mt having total construction area 38181.017 Sq. mt. (FSI – 26631.58 Sq.mt. + NON FSI- 11549.43) Sq. mt.) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Proposed New Building	2 Basements+ Ground + 12 floors	44.95
Reconstruction of Mortuary Building	Ground	5.5
Existing Hospital Building	Ground +10 floors	40.35
Existing RMO Staff Quarters	Ground +11 floors	36.75
Future expansion of MO Bungalow in to Medical Store	Ground +10 floors	40.35

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

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) Committee noted that,PP has received revised IOD dated 12/6/2019. PP to update the online CS accordingly.
2) PP to ensure that, ETP discharge should be as per CPCB standards.
3) PP to ensure that, STP aeration tank should be 40 % open to sky for adequate ventilation.
4) PP to provide clear 6mt drive way with 9mt turning radius for fire tender movement all around the building.
5) PP to ensure that RG should be as per DCR.

FINAL RECOMMENDATION

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

Agenda of 108th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 108 **Meeting Date** August 6, 2019

Subject: Environment Clearance for Residential Development at village Kanjur, Kanjurmarg (E)

Is a Violation Case: No

1.Name of Project	Residential Development at village Kanjur, Kanjurmarg (E)
2.Type of institution	Private
3.Name of Project Proponent	M/s. Jolly Brothers Pvt. Ltd. Mr. Sunil B. Shah (DGM Projects)
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	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	CTS no 657/A (pt), Govindram Jolly road, village Kanjur, Kanjurmarg East.
9.Taluka	Kurla
10.Village	Kanjurmarg
Correspondence Name:	M/s. Jolly Brothers Pvt. Ltd.
Room Number:	--
Floor:	2nd floor
Building Name:	City Mall
Road/Street Name:	Link Road
Locality:	Andheri (West)
City:	Mumbai
11.Whether in Corporation / Municipal / other area	Municipal Corporation of Greater Mumbai (M.C.G.M.)
12.IOD/IOA/Concession/Plan Approval Number	In process
	IOD/IOA/Concession/Plan Approval Number:
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	Not applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	--
15.Total Plot Area (sq. m.)	45300.20 Sq. mt.
16.Deductions	19928.57 Sq. mt.
17.Net Plot area	25371.63 Sq. mt.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 103401.10 Sq. mt.
	b) Non FSI area (sq. m.): 86694.61 Sq. mt.
	c) Total BUA area (sq. m.): 190095.71
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval: 23-05-2019
19.Total ground coverage (m2)	14348.83 Sq.mt.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	56.55%
21.Estimated cost of the project	6210000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Police Quarters: One Building with 4 wings (Wing A to D)	--	--
2	Wing A to D	Ground/Stilt + Podium + 1st to 10th floors	32.00
3	Sale Building 1: One Building with 6 wings (Wing A to F)	--	--
4	Wing A to F	3 Basements + Ground + Podium + 1st to 22nd floors	69.95
5	Sale Building 2: One Building with 2 wings (Wing G & H)	--	--
6	Wing G to H	3 Basements + Ground + Podium + 1st to 38th floors	119.70

23.Number of tenants and shops	Police Quarter: 400 Nos. Sale Building: 1145 Nos.
24.Number of expected residents / users	7574Nos.
25.Tenant density per hectare	609/ hectors
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	It is connected by 18.30 mt. wide D.P. Road (Jolly Marg)
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Minimum 6.0 mt.
29.Existing structure (s) if any	Not applicable
30.Details of the demolition with disposal (If applicable)	Not applicable as site is open land

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):	682
	Recycled water - Flushing (CMD):	340
	Recycled water - Gardening (CMD):	23
	Swimming pool make up (Cum):	3
	Total Water Requirement (CMD) :	1048
	Fire fighting - Underground water tank(CMD):	Shall be submitted
	Fire fighting - Overhead water tank(CMD):	Shall be submitted
	Excess treated water	433
Wet season:	**Source of water**	M.C.G.M/ Tanker water for Swimming pool make up/ Partly by RWH
	Fresh water (CMD):	682
	Recycled water - Flushing (CMD):	340
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	3
	Total Water Requirement (CMD) :	1025
	Fire fighting - Underground water tank(CMD):	Shall be submitted
	Fire fighting - Overhead water tank(CMD):	Shall be submitted
	Excess treated water	456
Details of Swimming pool (If any)	Swimming pool make up water requirement – 3 KLD Swimming pool volume – 211 m3	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Ground water table is 0.5 mt. to 4.5 mt. below ground surface
	Size and no of RWH tank(s) and Quantity:	Details shall be submitted
	Location of the RWH tank(s):	Details shall be submitted
	Quantity of recharge pits:	Details shall be submitted
	Size of recharge pits :	Details shall be submitted
	Budgetary allocation (Capital cost) :	Details shall be submitted
	Budgetary allocation (O & M cost) :	Details shall be submitted
	Details of UGT tanks if any :	Details shall be submitted
35.Storm water drainage	**Natural water drainage pattern:**	The storm water collected through the storm water drains of adequate capacity will be discharged in to the municipal SWD.
	Quantity of storm water:	Details shall be submitted
	Size of SWD:	Details shall be submitted
Sewage and Waste water	**Sewage generation in KLD:**	885 KLD
	STP technology:	Moving Bed Bio Reactor (MBBR)
	Capacity of STP (CMD):	For Police Quarters: STP of capacity 250 KL For Sale building 1: STP of capacity 400 KL For Sale Building 2: STP of capacity 400 KL
	Location & area of the STP:	Details shall be submitted
	Budgetary allocation (Capital cost):	Details shall be submitted
	Budgetary allocation (O & M cost):	Details shall be submitted
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Excavated material shall be disposed at authorized landfill site.
	Disposal of the construction waste debris:	Construction waste material shall be partly reused/ recycled and remaining shall be disposed to the authorized land fill site.
Waste generation in the operation Phase:	**Dry waste:**	2045 kg/day
	Wet waste:	1363 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	133 kg/day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	To authorized recyclers
	Wet waste:	Treatment in Organic Waste Convertor (OWC)
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	As manure
	Others if any:	NA
Area requirement:	**Location(s):**	Details shall be submitted
	Area for the storage of waste & other material:	Details shall be submitted
	Area for machinery:	Details shall be submitted
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Details shall be submitted
	O & M cost:	Details shall be submitted

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	6394.96 sq.mt.
	No of trees to be cut :	Details shall be submitted
	Number of trees to be planted :	Details shall be submitted
	List of proposed native trees :	Details shall be submitted
	Timeline for completion of plantation :	At the time of completion of project

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

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

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

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

47.Energy

Power requirement:	**Source of power supply :**	Local Authority
	During Construction Phase: (Demand Load)	Details shall be submitted
	DG set as Power back-up during construction phase	As per requirement
	During Operation phase (Connected load):	Details shall be submitted
	During Operation phase (Demand load):	Details shall be submitted
	Transformer:	Details shall be submitted
	DG set as Power back-up during operation phase:	Details shall be submitted
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	Not Applicable

48.Energy saving by non-conventional method:

Details shall be submitted

49.Detail calculations & % of saving:

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

50.Details of pollution control Systems

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

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

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

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

52.Any Other Information

No Information Available

53.Traffic Management

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

Parking details:	**Number and area of basement:**	Sale Building 1 and 2: 3 Basements
	Number and area of podia:	Police quarter and Sale Buildings: 1 Podium
	Total Parking area:	Details shall be submitted
	Area per car:	Details shall be submitted
	Area per car:	Details shall be submitted
	Number of 2-Wheelers as approved by competent authority:	Details shall be submitted
	Number of 4-Wheelers as approved by competent authority:	Details shall be submitted
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	Min 6.0 mt. driveway
	CRZ/ RRZ clearance obtain, if any:	Project is not affected by CRZ boundary as per new CZMP published.
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park: 6.00 km , Thane creek flamingo sanctuary: 5.00 km
	Category as per schedule of EIA Notification sheet	Category 8 (b) B1
	Court cases pending if any	Yes
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

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

PP informed that, the p*roject under consideration is new housing project with mall and hotel with public parking. PP further stated that, t*he total plot area of the project is 45300.20 Sq.mt. having total construction area 195578.57 Sq.mt(FSI – 104318.96 sq.mt +NON FSI- 91259.61 sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Police Quarters: One Building with 4 wings (Wing A to D)	--	--
Wing A to D	Ground/Stilt + Podium + 1st to 10th floors	32.00
Sale Building 1: One Building with 6 wings (Wing A to F)	--	--
Wing A to F	3 Basements + Ground + Podium + 1st to 22nd floors	69.95
Sale Building 2: One Building with 2 wings (Wing G & H)	--	--
Wing G	to H 3 Basements + Ground + Podium + 1st to 38th floors	119.70

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

DECISION OF SEAC

After discussion, Committee approved the ToR with following observations & additions, which is valid upto 7/8/2022. EIA will be apprised as & when submitted. Meanwhile PP should comply following points.

Specific Conditions by SEAC:

1) PP to upload the list of directors of the company.
2) PP to upload acknowledgement regarding plan submitted to local planning authority.
3) PP to upload the copy of LOI.
4) PP to submit the chronology regarding from 2012 to now, no construction have been started.
5) Committee noted that, PP has proposed to divert the nalla which was passing through plot. PP to rethink regarding Nalla diversion & PP to change the planning accordingly. What is the say of adjoining plot owner on whose boundaries nallah is proposed to be diverted?
6) PP to submit the Brihanmumbai Storm water Disposal System (BRIMSTOWAD) report with respect to catchment no 306.
7) PP to submit the detail hydrological study of the catchment area of the project site.
8) PP to submit the geological & geotechnical study of the project site.
9) PP to submit the CFO NoC.
10) PP to submit the sewerage network, water supply, storm water drain NOC & remark regarding existing status of the same from local planning authority.
11) PP to submit the DP remarks.
12) PP informed that the remaining portion of plot on other side of nallah of his ownership is not being developed by him at present due to restraining orders passed by hon. high court. PP to submit the Hon. court orders issued time to time regarding disputed land plot of around 19,000 Sq.mt on the other side of existing nallah.
13) PP to submit that whether the plot falls in wetland or not with documents, as per wetland atlas published by MoEF & CC.
14) PP to submit compliance of Construction & Demolition waste management
15) PP to submit the detail biodiversity chapter in EIA considering the eco-sensitivity of the site.
16) PP to ensure ECBC norms are complied with.
17) PP to submit Contour and slope analysis super imposed with storm water drain, sewer line map in the project and 500 mtr around the project.
18) PP to submit & upload wind analysis, shadow analysis, traffic analysis, light and ventilation analysis and measures to reduce heat island effect.
19) PP to ensure that maximum treated water should be recycled.
20) PP to submit demolition & debris disposal /waste management plan.
21) PP to submit project specific DMP.
22) PP to ensure that RG required is as per the norms and should be on Mother Earth.
23) PP to submit & upload the design & cross section of STPs indicating minimum 40% area open to sky for adequate ventilation.
24) PP to verify the distance of project site from Flamingo Sanctuary. PP to submit & upload the same.
25) PP to submit CER as per MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project or Environment Department may direct PP to undertake CER work in identified area.
26) PP to also refer standard ToR published by MoEF vide order dated 10/04/15 in addition to above

FINAL RECOMMENDATION

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