Agenda of 95th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 95 **Meeting Date** April 8, 2019

Subject: Environment Clearance for Industrial I. T. Building Project Viz. CTS No. 105, 105/1 to 38, 105/39 (pt), 105/39 (pt), 105/40-41, 105/42, 105/44 (pt), 106, 107 of Village Hariyali, L.B.S. Marg, Vikhroli (W), Mumbai, Maharashtra Proposed by Vikhroli Corporate Park Pvt. Ltd.

Is a Violation Case: Yes

1.Name of Project	Vikhroli Corporate Park Pvt. Ltd.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Sandeep Tapadia; Vikhroli Corporate Park Pvt. Ltd.
4.Name of Consultant	Dr. D. A. Patil; Mahabal Enviro Engg. Pvt. Ltd.
5.Type of project	Industrial IT Park
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. 105, 105/1 to 38, 105/39 (pt), 105/39 (pt), 105/40-41, 105/42, 105/44 (pt) , 106, 107 of Village Hariyali, L.B.S. Marg, Vikhroli (W), Mumbai, Maharashtra
9.Taluka	Kurla
10.Village	Hariyali
Correspondence Name:	Mr. Sandeep Tapadia; Vikhroli Corporate Park Pvt. Ltd.
Room Number:	-
Floor:	-
Building Name:	247 Park, Tower B
Road/Street Name:	LBS Marg
Locality:	Vikhroli (w)
City:	Mumbai- 400083
11.Area of the project	Municipal Corporation of Greater Mumbai (MCGM)
12.IOD/IOA/Concession/Plan Approval Number	IOD dt 23.06.2006; CC dt 15.10.2006.
	IOD/IOA/Concession/Plan Approval Number: IOD dt 23.06.2006; CC dt 15.10.2006.
	Approved Built-up Area: 173384.36
13.Note on the initiated work (If applicable)	Total Constructed Work (FSI+ Non FSI) - Tower A: FSI: 79735 m2; Total Constructed area: 169712 m2
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	IOD dt 23.06.2006 CC dt 15.10.2006.
15.Total Plot Area (sq. m.)	50636 m2
16.Deductions	6029.96 m2
17.Net Plot area	44600 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 83,408.18 m2
	b) Non FSI area (sq. m.): 89,976.18 m2
	c) Total BUA area (sq. m.): 173384.36
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 83,408.18 m2
	Approved Non FSI area (sq. m.): 89,976.18 m2
	Date of Approval: 23-06-2006
19.Total ground coverage (m2)	13826
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	31%
21.Estimated cost of the project	3800000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building No. 1 (Tower A)	2 Basements+ Ground Floor + 2 Podiums+ 11 Floor	52.8 m
2	Building No. 1 (Tower B)	2 Basements + Ground Floor+2 Podiums + 14 Floor	60.5 m
3	Building No. 1 (Tower C)	2 Basements+ Ground Floor + 2 Podiums+ 11 Floor	52.8 m
4	Building No. 2	Gr+2	12.6 m

23.Number of tenants and shops	building is the Industrial IT Park
24.Number of expected residents / users	7200 nos.
25.Tenant density per hectare	-
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	The proposed project site is accessible by 36.60 m wide LBS Road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Min 9 m
29.Existing structure (s) if any	3 Existing buildings will be demolished Gr+4, Gr+3 & Gr+1
30.Details of the demolition with disposal (If applicable)	Debris Generation: 300 m3

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):	108 KLD
	Recycled water - Flushing (CMD):	313 KLD
	Recycled water - Gardening (CMD):	13 KLD
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	324 KLD
	Fire fighting - Underground water tank(CMD):	260 KLD
	Fire fighting - Overhead water tank(CMD):	260 KLD
	Excess treated water	0 KLD
Wet season:	**Source of water**	MCGM
	Fresh water (CMD):	108 KLD
	Recycled water - Flushing (CMD):	313 KLD
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	324 KLD
	Fire fighting - Underground water tank(CMD):	260 KLD
	Fire fighting - Overhead water tank(CMD):	260 KLD
	Excess treated water	13 KLD
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	4 to 5 m
	Size and no of RWH tank(s) and Quantity:	four Recharge pits are provided
	Location of the RWH tank(s):	-
	Quantity of recharge pits:	Recharge pits are provided
	Size of recharge pits :	2000 MM Dia
	Budgetary allocation (Capital cost) :	Rs. 30 Lakh
	Budgetary allocation (O & M cost) :	Rs. 3 Lakh/y
	Details of UGT tanks if any :	Basement
35.Storm water drainage	**Natural water drainage pattern:**	The natural Slope of Plot is towards east side
	Quantity of storm water:	5876 m3/hr
	Size of SWD:	600 mm wide channels
Sewage and Waste water	**Sewage generation in KLD:**	313 KLD
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	Total Capacity: 400 m3
	Location & area of the STP:	Basement
	Budgetary allocation (Capital cost):	Rs. 150 Lakh
	Budgetary allocation (O & M cost):	Rs. 24 Lakh/y
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction debris
	Disposal of the construction waste debris:	The construction debris will be disposed as per the “Construction and Demolition and Desilting Waste (Management and Disposal) Rules 2006.
Waste generation in the operation Phase:	**Dry waste:**	576 kg/day
	Wet waste:	864 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	3 m3/d
	Others if any:	E waste: 4.5 Ton/yr

Mode of Disposal of waste:	**Dry waste:**	Dry garbage will be segregated & disposed off to recyclers
	Wet waste:	Wet garbage will be composted using Mechanical Composting system and used as organic manure for landscaping.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Sludge is used as manure for gardening
	Others if any:	E waste will be given to authorized recyclers
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	40 m2
	Area for machinery:	30 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 20 Lakh
	O & M cost:	Rs. 10 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 :**	2500 m2
	No of trees to be cut :	Nil
	Number of trees to be planted :	Existing trees: 383 Nos. Trees to be Planted: 78 Nos.
	List of proposed native trees :	As Mention Below
	Timeline for completion of plantation :	2 years

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Pongamia Pinnata	Karanj	12	Shady tree.
2	Acacia Auriculiformis	Acacia	17	An evergreen tree
3	Erythrina Indica	Pangara	14	Medium sized deciduous tree. Bright scarlet flowers.
4	Albiza Lebbeck	Shirish	16	Shady tree, yellowish green fragrant flowers
5	Alstonia Scholaris	Satwin	19	Shady Tree, white fragrant flowers
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	Reliance
	During Construction Phase: (Demand Load)	250 kVA
	DG set as Power back-up during construction phase	150 kVA
	During Operation phase (Connected load):	8076 kW
	During Operation phase (Demand load):	4375.98 kW
	Transformer:	1. Utility Building – 2000 KVA, Make : Voltamp – 3 nos. (Property of VCPPL) 2. Tower B – 2000 KVA - 1 nos. (Property of Reliance Energy – Tenant Supply) 3. Tower B – 1500 KVA - 1 nos. (Property of Reliance Energy – Tenant Supply) 4. Tower C – 1500 KVA - 1 nos. (Property of Reliance Energy – Tenant Supply)
	DG set as Power back-up during operation phase:	7 x 1500 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	-

48.Energy saving by non-conventional method:

Energy conservation measures taken by using low energy consuming fixtures like, T5 lamps, LEDs in Lift, Lobby, and Passages
Solar lighting on street and RG area, lights proposed
Controlling of lights through motion sensors and day light sensors
Use of high energy efficient pumps for fire fighting, UG tanks and STP

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Energy conservation measures taken by using low energy consuming fixtures like, LED in Habitable area, T5 lamps, LEDs in Lift, Lobby, and Passages Solar lighting on street and RG area, lights proposed Controlling of lights through motion sensors and day light sensors Use of high energy efficient pumps for fire fighting, UG tanks and STP Total Energy Saving	20.1%

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:**	Rs. 40 Lakh
	O & M cost:	Rs. 4 Lakh/y

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water spray for dust suppression	-	2
2	Site sanitation and Potable Water Supply to Labour	-	6
3	Environmental Monitoring	-	2
4	Health check-up & first aid	-	2
5	Safety Personal Protective Equipment	-	3
6	Traffic Management (Sign Boards, Persons at entry exit and Parking area)	-	3
7	Disinfection	-	2

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP (Tertiary)	Continuous O & M Environment Monitoring: Monthly, STP outlet water quality for pH, BOD, COD, SS and O & G	150	24
2	Solar System	Weekly	40	4
3	Rainwater harvesting	During rainy season (cleaning of UG tanks and filtration units before rainy season)	30	3
4	Solid Waste Composting plant	Continuous O & M Environment Monitoring: Monthly to assess the compost quality	25	10
5	Landscape	Daily	50	5
6	Environmental Monitoring	-	-	5
7	Total	-	295	51

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	-
Parking details:	**Number and area of basement:**	2 basements with area of 42937.8 m2
	Number and area of podia:	2 Podiums with area of 23546.8 m2
	Total Parking area:	31,630 m2
	Area per car:	32 m2
	Area per car:	32 m2
	Number of 2-Wheelers as approved by competent authority:	500 Nos.
	Number of 4-Wheelers as approved by competent authority:	965 Nos.
	Public Transport:	-
	Width of all Internal roads (m):	min 6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park: 2.47 km
	Category as per schedule of EIA Notification sheet	8 (b)
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	21-07-2017

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. Mahabal Enviro Engg. Pvt. Ltd.

*PP further stated that, t*he total plot area of the project is 50636Sq.mt. having total construction area area 173384.36Sq.mt. (FSI - 83,408.18sq.mt + NON FSI- 89,976.18 sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Building No. 1 (Tower A)	2 Basements+ Ground Floor + 2 Podiums+ 11 Floor	52.8 m
Building No. 1 (Tower B)	2 Basements + Ground Floor+2 Podiums + 14 Floor	60.5 m
Building No. 1 (Tower C)	2 Basements+ Ground Floor + 2 Podiums+ 11 Floor	52.8 m
Building No. 2	Gr+2	12.6 m

PP and Environment Consultant stated that, proposal under consideration is violation case of EIA Notification 2006 & amended time to time. PP further stated that, as on date, they have constructed **1,69,712.00 m^2** area **(FSI Area: 79,735.82 m^2)**

It is noted that, the project earlier considered in 89th SEAC-2 meeting held on 20-02-2019 and noted that proposal under consideration is of Violation of EIA Noti?cation 2006, as amended and de?ned in MoEF & CC noti?cation dated 14th March 2017 & 8th March 2018. ToR has been approved for the proposal in 66th SEAC-2 meeting held on 18/8/2018. Additionally ,in order to asses for the Environmental Damage and for Estimation of Remediation Costs, additional ToR accorded for remediation plan and natural & community resource augmentation plan as ?nalised in 87th SEAC-2 meeting held on 7/02/2019 and made available on website in public domain under 'Public Document of ec website (ec.mpcb.in). Accordingly, PP submitted the EIA which was taken on record.

During the meeting it is noted that the EIA submitted is not as per accorded ToR. **Committee noted that Project details like list of all directors etc not mentioned also Assessment of Environmental Damages & Calculation of cost of remediation plan and natural & community resource augmentation plan was not calculated considering the total project. Environment consultant also not prepared to present & explain the proposal**

DECISION OF SEAC

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

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

Agenda of 95th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 95 **Meeting Date** April 8, 2019

Subject: Environment Clearance for Proposed redevelopment under Slum Rehabilitation Scheme on plot bearing C.T.S. No.230, 231 & 232 of village- Malad, Near Mittal College, Malad [west], Mumbai by M/s. Sheth Creators & Sun Vision Pvt. Ltd.

Is a Violation Case: No

1.Name of Project	proposed redevelopment under Slum Rehabilitation Scheme.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Jitendra N. Sheth; M/s. Sheth Creators & Sun Vision Pvt. Ltd.
4.Name of Consultant	Dr. D. A. Patil; Mahabal Enviro Engg. Pvt. Ltd.
5.Type of project	SRA Scheme Project
6.New project/expansion in existing project/modernization/diversification in existing project	Redevelopment Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	At plot bearing C.T.S. No.230, 231 & 232 of village- Malad, Near Mittal College, Malad [west], Mumbai
9.Taluka	Malad (W)
10.Village	Malad
Correspondence Name:	Mr. Jitendra N. Sheth; M/s. Sheth Creators & Sun Vision Pvt. Ltd.
Room Number:	-
Floor:	1st Floor
Building Name:	Sheela Niwas
Road/Street Name:	Opp. Parleshwar P. O. Paranjape ' A' Scheme, Road No. 1
Locality:	Vile Parle (E)
City:	Mumbai 57
11.Area of the project	Municipal Corporation of Greater Mumbai (MCGM)
12.IOD/IOA/Concession/Plan Approval Number	IOD Received
	IOD/IOA/Concession/Plan Approval Number: SALE BUILDING : P-N/PVT/0030/19991015/AP/S Dated:-01/02/2018 REHAB BUILDING : SRA/ENG/2653/PN/PL/AP Dated :- 10/03/2018
	Approved Built-up Area: 58898.31
13.Note on the initiated work (If applicable)	No work started
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	SRA/ENG/423/PN/PL/LOI dt18/07/2017
15.Total Plot Area (sq. m.)	8,591.00 m2
16.Deductions	595 m2
17.Net Plot area	7,996.00 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 25,041.03 m2
	b) Non FSI area (sq. m.): 42919.73 m2
	c) Total BUA area (sq. m.): 67960.76
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 18894.31 m2
	Approved Non FSI area (sq. m.): 40004.00 m2
	Date of Approval: 01-02-2018
19.Total ground coverage (m2)	3281.12 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	38.19%
21.Estimated cost of the project	1830000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	• SALE BLDG	B + G + 1ST TO 9TH PODIUM + 10 PODIUM (ECO DECK) +1ST TO 28TH + 29TH (PART) RESIDENTIAL FLOOR	128.25 m
2	• REHAB PROPOSED BLDG	S + G + 1 ST TO 18TH + 19TH PART& UP	59.45 m
3	• SCHOOL BUILDING	Gr.+1ST TO 7TH FLOOR	29.10 m
4	• HOSPITAL BUILDING	Gr.+1ST TO 14TH FLOOR	54.00 m

23.Number of tenants and shops	Flats (Sale Bldg.): 164 Nos. Flats (Rehab Bldg.): 175 Nos. School area: 2,157.14 m2. Hospital (beds): 150 Nos.
24.Number of expected residents / users	Population: 3,244 Nos.
25.Tenant density per hectare	424/Ha
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	18.30 m wide DP road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	Slums are present on site
30.Details of the demolition with disposal (If applicable)	Partly Demolished as per phase plan

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):	242 KLD
	Recycled water - Flushing (CMD):	131 KLD
	Recycled water - Gardening (CMD):	3 KLD
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	373 KLD
	Fire fighting - Underground water tank(CMD):	As per CFO NOC
	Fire fighting - Overhead water tank(CMD):	As per CFO NOC
	Excess treated water	211 KLD
Wet season:	**Source of water**	MCGM +RWH
	Fresh water (CMD):	214 KLD
	Recycled water - Flushing (CMD):	131 KLD
	Recycled water - Gardening (CMD):	Nil
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	373 KLD
	Fire fighting - Underground water tank(CMD):	As per CFO NOC
	Fire fighting - Overhead water tank(CMD):	As per CFO NOC
	Excess treated water	214 KLD
Details of Swimming pool (If any)	-	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	2-3 m
	Size and no of RWH tank(s) and Quantity:	3 RWH tanks of total 60 m3 capacity
	Location of the RWH tank(s):	Underground
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Rs. 14 Lakh
	Budgetary allocation (O & M cost) :	Rs. 1 Lakh/yr
	Details of UGT tanks if any :	Underground
35.Storm water drainage	**Natural water drainage pattern:**	Towards East side of the plot
	Quantity of storm water:	988.98 m3/hr
	Size of SWD:	600 mm x 600 mm
Sewage and Waste water	**Sewage generation in KLD:**	349 KLD
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	Total: 365 KLD
	Location & area of the STP:	Below Ground ; Total area: 375 m2
	Budgetary allocation (Capital cost):	Rs. 87 Lakh
	Budgetary allocation (O & M cost):	Rs. 20 Lakh/yr
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction debris : 1,973 m3
	Disposal of the construction waste debris:	The construction debris will be utilized at site for Road Paving and site levelling. The construction debris will be disposed as per the “Construction and Demolition and Desilting Waste (Management and Disposal) Rules 2016.
Waste generation in the operation Phase:	**Dry waste:**	481 kg/d
	Wet waste:	721 kg/d
	Hazardous waste:	Used Oil from DG
	Biomedical waste (If applicable):	75 kg/day
	STP Sludge (Dry sludge):	3 m3/day
	Others if any:	Household E-Waste Generation

Mode of Disposal of waste:	**Dry waste:**	Dry garbage will be disposed off to recyclers
	Wet waste:	Wet garbage will be composted using Mechanical Composting Technology and used as organic manure for landscaping.
	Hazardous waste:	Will be handed over to authorized recyclers
	Biomedical waste (If applicable):	Will be handed over to MPCB & MCGM authorized vendor for disposal as per Biomedical Waste Handling rules 2016
	STP Sludge (Dry sludge):	Sludge use as manure for gardening
	Others if any:	The E-waste shall be handed over to e-waste management vendor authorized by MPCB (if any).
Area requirement:	**Location(s):**	On Ground
	Area for the storage of waste & other material:	Total: 100 m2
	Area for machinery:	30 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 40 Lakh
	O & M cost:	Rs. 26 Lakh/yr

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

42.Mode of Transportation of fuel to site	Not applicable

43.Green Belt Development	**Total RG area :**	Req: 645.81 m2 & Provide: 698.96 m2
	No of trees to be cut :	3 Nos.
	Number of trees to be planted :	100 Nos
	List of proposed native trees :	As mention below
	Timeline for completion of plantation :	-

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Albizia lebbeck	Shirish	06	Shady tree, yellowish green fragrant flowers
2	Azadiracta indica	Neem	08	Large tree, good for roadside plantation
3	Ailanthus excelsa	Maharukh	08	Large tree, good for roadside plantation
4	Ficus retusa	Nandruk	10	Shady tree, good for roadside plantation
5	Alstonia scholaris	Satwin	08	Shady Tree, white fragrant flowers
6	Pongamia pinnata	Karanj	06	Shady tree.
7	Saraca asoka	Sita Ashok	10	Shady tree with red-yellow flowers.
8	Anthocephallus cadamba	Kadamb	08	Shady, large tree, ball shaped flowers.
9	Cassia fistula	Bahava	06	Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plant
10	Mimusops elengi	Bakul	08	Shady tree, small white fragrant flowers
11	Lagerstroemia flos-regineae	Tamhan	10	State flower tree of Maharashtra Medium sized tree, beautiful purple flowers
12	Bauhinia racemosa	Apta	06	Small tree with small white flowers, Butterfly host plant
13	Erythrina indica	Pangara	06	Medium sized deciduous tree. Bright scarlet flowers.
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	RELIANCE POWER
	During Construction Phase: (Demand Load)	200 kVA
	DG set as Power back-up during construction phase	200 kVA
	During Operation phase (Connected load):	4.7 MW
	During Operation phase (Demand load):	1.6 MW
	Transformer:	1000 KVA X 2 Nos.
	DG set as Power back-up during operation phase:	Total DG set Capacity: Sale + Rehab:-400 KVA x 1NO School: 125 KVA x 1NO Hospital: 250 KVA x 1NO
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	-

48.Energy saving by non-conventional method:

Provision of solar hot water and solar PV panels.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total Energy Saving	>20%

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 12 lakh
	O & M cost:	Rs. 2 lakh/yr

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water spray for dust suppression	-	8
2	Site sanitation (Toilets)	-	4

3	Environmental Monitoring (As per the CPCB guidelines through MoEF Approved laboratories – Ambient Air-RSPM, PM2.5, SO2, NOx, CO), Noise: Leq day time and Night Time)	-	6
4	Potable Water Supply to Labour Camp	-	6
5	Health check-up & first aid	-	3
6	Safety Personal Protective Equipment (Helmets, Safety Shoes, Safety Belt, Goggles, Hand Gloves etc.)	-	12
7	Traffic Management (Sign Boards, Persons at entry exit and Parking area)	-	2
8	Safety nets	-	5
9	Solid Waste Management & Site maintenance activity	-	2
10	Safety - Training to Workers (Twice in Year), Safety Officer	-	2

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP (Tertiary)	Continuous O & M	87	20
2	Solar System	Weekly	12	2
3	Rain Water Harvesting	During rainy season (Cleaning of RWH tanks and Filtration chamber)	14	1
4	Solid waste Composting plant	Continuous O & M	40	26
5	Landscape development	Daily	7	1
6	Environmental Monitoring	As per the CPCB guidelines through MoEF Approved laboratories	-	4

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	-
Parking details:	**Number and area of basement:**	Basement area: 2484.70 m2
	Number and area of podia:	1st Podium floor Area : 1548.28 m2 2nd to 9th Podium floor Area: 10688.67 m2
	Total Parking area:	16945.33 m2
	Area per car:	36.05 m2
	Area per car:	36.05 m2
	Number of 2-Wheelers as approved by competent authority:	NOT REQIRED AS PER DCR 1991
	Number of 4-Wheelers as approved by competent authority:	470 Nos.
	Public Transport:	-
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8 (a)
	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 present during the meeting along with environmental consultant M/s. Mahabal Enviro Engg. Pvt. Ltd.

PP informed that, the project under consideration is *proposed Redevelopment SRA scheme Project. PP further stated that, t*he total plot area of the project is 8,591.00 Sq.mt. having total construction area area 67960.76 Sq.mt. (FSI -25,041.03 sq.mt + NON FSI 42919.73 sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
SALE BLDG	B + G + 1ST TO 9TH PODIUM + 10 PODIUM (ECO DECK) +1ST TO 28TH + 29TH (PART) RESIDENTIAL FLOOR	128.25 m
REHAB PROPOSED BLDG	S + G + 1 ST TO 18TH + 19TH PART& UP	59.45 m
SCHOOL BUILDING	Gr.+1ST TO 7TH FLOOR	29.10 m
HOSPITAL BUILDING	Gr.+1ST TO 14TH FLOOR	54.00 m

It is noted that the project earlier considered in 69th SEAC-2 meeting held on 11-09-2018 and deferred with important observations as to submit revised RG plan, to submit details regarding Noise Pollution control measures considering School, Hospital, to submit DP remarks. Accordingly PP Submitted the Compliance which was taken on record.

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

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) Some patches of RG provided by PP is less than 7.5mt width & 125 Sq.mt area as required. It is not in consonance with Hon'ble Supreme Court's Order. PP to submit the explanation in this regard & PP to provide contiguous RG on Mother Earth as per the Hon'ble Supreme Court's Order.
2) PP to resubmit fire tender movement plan providing clear 6 mtr drive way and 9 mtr turning radius.
3) PP to submit HRC NOC.
4) Schools & Maternity hospital should be constructed as per the approval of Municipal Corporation.

FINAL RECOMMENDATION

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

Agenda of 95th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 95 **Meeting Date** April 8, 2019

Subject: Environment Clearance for Proposed Expansion of Residential Project on plot bearing C.T.S. No. 429A, 429B, 429D, 429/1, 429/2, 421/5 of Village Deonar, off Deonar Farm Road, M/E ward Chembur, Mumbai by Tridhaatu Aranya Developers LLP

Is a Violation Case: No

1.Name of Project	Tridhaatu Aranya Developers LLP
2.Type of institution	Private
3.Name of Project Proponent	Tridhaatu Aranya Developers LLP
4.Name of Consultant	Mahabal Enviro Engineers Pvt. Ltd; Dr. D. A. Patil
5.Type of project	Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	As per our earlier sanctions dated : 16.10.2015 & 19.12.2017, Our total potential of this development was less than 20,000 m2. Due to consideration of adjacent plot, our plot potential increases, Hence this is expansion.
8.Location of the project	On plot bearing CTS Nos. 429A, 429B, 429D, 429/1, 429/2, 421/5 of Village Deonar, off Deonar Farm Road, M/E ward Chembur, Mumbai by Tridhaatu Aranya Developers LLP
9.Taluka	Mumbai
10.Village	Deonar
Correspondence Name:	Tridhaatu Aranya Developers LLP
Room Number:	5th floor
Floor:	B-wing, shrikant chambers
Building Name:	Next to R.K.studio,
Road/Street Name:	Sion Trombay Rd
Locality:	Next to R.K.studio,
City:	Chembur
11.Area of the project	MCGM
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: Plan Approved by MCGM Vide Letter No CHE/ES/1629/M/E/337(New) Dated: 19/12/2017
	Approved Built-up Area: 12687
13.Note on the initiated work (If applicable)	As of now constructed area is 9,769.51 m2
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	9444.1
16.Deductions	360.9 m2
17.Net Plot area	9,083.2 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 28,793.73 m2
	b) Non FSI area (sq. m.): 27,193.78 m2
	c) Total BUA area (sq. m.): 55988
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 5492.69 m2
	Approved Non FSI area (sq. m.): 7,194.23 m2
	Date of Approval: 19-12-2017
19.Total ground coverage (m2)	3000 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	31.76 %
21.Estimated cost of the project	5660000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building No.1	2B + ST+ 1st part podium + 2nd to 33rd Upper floors.	114.47 m
2	Building No. 2	3B + ST+ 1st + 23rd Upper floors.	78.1 m

23.Number of tenants and shops	Total No of flats: 259 Nos
24.Number of expected residents / users	1,295
25.Tenant density per hectare	266/Ha
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	The proposed project is accessible by 9 m wide Lal Dutta Marg and 9 m wide Madhuban CHS Deoanar Farm Marg.
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Min 9 m
29.Existing structure (s) if any	NA
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	MCGM
	Fresh water (CMD):	117 KLD
	Recycled water - Flushing (CMD):	58 KLD
	Recycled water - Gardening (CMD):	13 KLD
	Swimming pool make up (Cum):	3 KLD
	Total Water Requirement (CMD) :	178 KLD
	Fire fighting - Underground water tank(CMD):	As per CFO NOC
	Fire fighting - Overhead water tank(CMD):	As per CFO NOC
	Excess treated water	90 KLD
Wet season:	**Source of water**	MCGM + RWH
	Fresh water (CMD):	92 KLD
	Recycled water - Flushing (CMD):	-
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	3 KLD
	Total Water Requirement (CMD) :	178 KLD
	Fire fighting - Underground water tank(CMD):	As per CFO NOC
	Fire fighting - Overhead water tank(CMD):	As per CFO NOC
	Excess treated water	103 KLD
Details of Swimming pool (If any)	-	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Ground water table at depth of 3 to 4 m
	Size and no of RWH tank(s) and Quantity:	RWH Tank with Capacity: 60 cu.m
	Location of the RWH tank(s):	Basement
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Rs. 14 Lakh
	Budgetary allocation (O & M cost) :	Rs. 0.7 Lakh/year
	Details of UGT tanks if any :	Basement
35.Storm water drainage	**Natural water drainage pattern:**	The slope of the plot is towards south side
	Quantity of storm water:	The storm water generation 1,046.99 m3/ hr
	Size of SWD:	450 and 500 mm wide internal SWD drains
Sewage and Waste water	**Sewage generation in KLD:**	163 KLD
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	2 STP with the total capacity of 200 KLD (STP1 : 50 KLD, STP2: 150 KLD)
	Location & area of the STP:	Ground, (Total Area of STP: 190 m2)
	Budgetary allocation (Capital cost):	Rs. 50 Lakh
	Budgetary allocation (O & M cost):	Rs. 11 Lakh/year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction debris: 1700 m3 , Basement Excavation: 3200 m3
	Disposal of the construction waste debris:	The construction debris waste will be disposed as per Construction debris and demolition waste management Rule 2016
Waste generation in the operation Phase:	**Dry waste:**	259 kg/day
	Wet waste:	389 kg/day
	Hazardous waste:	Used oil from DG
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	2 kg/day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Dry garbage will be disposed off to recyclers
	Wet waste:	Wet garbage will be composted using Mechanical Composting unit and used as organic manure for landscaping.
	Hazardous waste:	Handed over to authorized recyclers
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Sludge use as manure for gardening
	Others if any:	Household E-waste generation
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	40 m2
	Area for machinery:	20 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 16 Lakh
	O & M cost:	Rs. 6 Lakh/yr

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	Physical RG required : 2622.86 m2 RG provided on ground: 1800 m2 RG provided on provided: 822.86 m2
	No of trees to be cut :	Total no of existing trees:143 Nos Trees to be cut:12 Nos Trees to be retained: 73 Nos Trees to be transplanted: 58 Nos.
	Number of trees to be planted :	113 Nos.
	List of proposed native trees :	Given below
	Timeline for completion of plantation :	Within 2 years of completion of construction activity

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

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

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	200 kVA
	DG set as Power back-up during construction phase	200 kVA
	During Operation phase (Connected load):	3.5 MW
	During Operation phase (Demand load):	1.9 MW
	Transformer:	1 x 1600 KVA
	DG set as Power back-up during operation phase:	1000 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	No

48.Energy saving by non-conventional method:

Solar PV for Hot water to Residential Buildings, Solar lighting in landscape , Open area etc.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	• Use of Energy Efficient Pumps & Motors for firefighting, UG Tanks and STP • Energy efficient lighting fixtures (LED lights) to all buildings • Use of energy efficient lifts	23.68 %

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. 20 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	Water spray for dust suppression	-	4.0
2	Site sanitation Facility and its maintenance	-	6.0
3	Potable Water Supply to Labour	-	3.0
4	Solid waste management	-	1.5

5	Disinfection	-	1.5
6	Safety Personal Protective Equipment	(Helmets, Safety Shoes, Safety Belt, Googles, Hand Gloves etc.)	15
7	Traffic Management (Sign Boards, Persons, at entry exit and Parking area)	-	2.5
8	Safety nets	-	5
9	Safety Training to Workers (Twice in Year), Safety Officer	-	3.0
10	Environmental Monitoring	(As per the CPCB guidelines through MoEF&CC Approved laboratories – Ambient Air-RSPM, PM2.5, SO2, NOx, CO), Noise: Leq day time and Night Time)	4.0

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP (Tertiary)	-	50	11
2	Solar System	-	20	1.0
3	Rainwater harvesting	-	14	0.7
4	Solid Waste Composting plant	-	16	6.0
5	Landscape	-	25	2.0
6	Environmental Monitoring	-	-	4.0

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	The proposed project is accessible by 9 m wide Lal Dutta Marg and 9 m wide Madhuban CHS Deoanar Farm Marg

Parking details:	**Number and area of basement:**	5 Basements (Bldg 1: 2 basement & Bldg 2: 3 basement) with the total area of 13138.03 m2
	Number and area of podia:	1 Nos of Podium 1080.34 m2
	Total Parking area:	11772.62 m2
	Area per car:	28.5 m2
	Area per car:	28.5 m2
	Number of 2-Wheelers as approved by competent authority:	2W Parking Provided: 72 Nos.
	Number of 4-Wheelers as approved by competent authority:	4W Parking Provided: 424 Nos.
	Public Transport:	-
	Width of all Internal roads (m):	6 m Wide
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park : 14 km approx
	Category as per schedule of EIA Notification sheet	8 (a)
	Court cases pending if any	Not Applicable
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Representative of PP was present during the meeting along with Environmental Consultant M/s. Mahabal Enviro Engineers Pvt. Ltd

PP informed that, the project under consideration is Housing *Expansion project. PP further stated that, t*he total plot area of the project is 9444.1 Sq.mt. having total construction area area 55988Sq.mt. (FSI - 28,793.73 sq.mt + NON FSI- 27,193.78 sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Building No.1	2B + ST+ 1st part podium + 2nd to 33rd Upper floors.	114.47 m
Building No. 2	3B + ST+ 1st + 23rd Upper floors.	78.1 m

During the meeting, PP could not submit the copy of acknowledgement for plans of full potential submitted to local Authority. PP has the approved plan for only Tower 1 which comprises Total built up area 32000 Sq.mt. PP to submit the copy of acknowledgement for plans of full potential or proposal can be restricted to Tower 1 i.e Total built up area 32000 Sq.mt

DECISION OF SEAC

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

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

Agenda of 95th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 95 **Meeting Date** April 8, 2019

Subject: Environment Clearance for Proposed SRA project at Daulat Nagar at. F.P. NO.5(PT),6,7(PT),8 TO 15,16B(PT),107-109,18-19/28,30,31 TO 33,18-19/34- A,B,C,D,18-19/35-A,B,C,D,18-19/82,18-19/83(PT),18-19/88 TO 94,18-19/95 TO 99,18-19/100,18-19/102,18-19/104(PT),18-19/106,18-19/107,20-A(PT),B(PT),C(PT),D(PT),of TPS-VI and F.P. Nos 85B/2,86 &89 OF TPS-II at village Vile Parle(W) at Santacruz (West), Mumbai known as "Daulat Nagar".

Is a Violation Case: No

1.Name of Project	Proposed SRA Project at Daulat Nagar
2.Type of institution	Private
3.Name of Project Proponent	M/s. HDIL & Pioneer India Developers Pvt. Ltd
4.Name of Consultant	M/s. Enviro Analysts & Engineers Pvt. Ltd
5.Type of project	Proposed SRA project MCGM DCR 33(10).
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	F.P. NO.5(PT),6,7(PT),8 TO 15,16B(PT),107-109,18-19/28,30,31 TO 33,18-19/34-A,B,C,D,18-19/35-A,B,C,D,18-19/82,18-19/83(PT),18-19/88 TO 94,18-19/95 TO 99,18-19/100,18-19/102,18-19/104(PT),18-19/106,18-19/107,20-A(PT),B(PT),C(PT),D(PT),of TPS-VI and F.P. Nos 85B/2,86 &89 OF TPS-II at village Vile Parle(W) at Santacruz (West), Mumbai known as "Daulat Nagar"
9.Taluka	Santacruz
10.Village	Santacruz
Correspondence Name:	M/s. HDIL & Pioneer India Developers Pvt. Ltd
Room Number:	9-01 HDIL towers
Floor:	9th
Building Name:	HDIL towers
Road/Street Name:	Ananat Kanekar Marg, Station Road Bandra (E), Mumba
Locality:	Ananat Kanekar Marg, Station Road Bandra (E), Mumba
City:	Mumbai
11.Area of the project	MCGM (Municipal Corporation of Greater Mumbai)
12.IOD/IOA/Concession/Plan Approval Number	Layout approval received dated SRA dated 09.05.2002
	IOD/IOA/Concession/Plan Approval Number: LOI received dated SRA/ENG/498/HW/STGL/LOI dated 12.12.12
	Approved Built-up Area: 201346.69
13.Note on the initiated work (If applicable)	3 nos of Buildings are constructed on plot D and I as per approvals received (Plot D-01,02, PLot I=Sl) having construction area 16110.42 sqm
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	LOI received dated SRA/ENG/498/HW/STGL/LOI dated 12.12.12
15.Total Plot Area (sq. m.)	1,06,546.56 sqm
16.Deductions	Area not in possession-5925.5 sqm 6, D. P. Road-25,878.31 sqm & other reservation- 10,467.40 Total- 42271.27 sqm
17.Net Plot area	64,275.29 sqm
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 81,777.71
	b) Non FSI area (sq. m.): 37,769.49
	c) Total BUA area (sq. m.): 119547
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 201346.69
	Approved Non FSI area (sq. m.): --
	Date of Approval: 12-12-2012
19.Total ground coverage (m2)	27765.92

20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	46%
21.Estimated cost of the project	1520000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Plot C	C1, C2, C3, C4= G+7th Floors	22.80
2	Plot D	1D =2 B +Semi basement + LG+ G+ Upper 5th Floors, school = B + G + 5th Floors D1 & D 2=GR.+7th Floors	24.10, 24.05,24.10
3	Plot E	1E= 2 B + G+ Upper 8th Floors	27.40
4	Plot F	F1= 2 B + G+ Upper 8th Floors	27.50
5	Plot I	S1=B + G.+7th Floors	26.33
6	Plot N	N1,N2,N3,N4 = S + 7th Floors, N - B + G+ Upper 6Th Floors	27.75

23.Number of tenants and shops	Plot C= residential- 525 nos + commercial- 11nos Plot D= residential- 198 nos + commercial- 445 nos + 18 nos Plot E= residential- 38 nos + commercial- 11nos Plot F= residential- 64 nos + commercial- 1nos Plot I= residential- 68 nos + commercial- 36nos Plot N= residential- 549 nos + commercial- 67 nos Total =residential- 1442 nos + commercial- 589 nos
24.Number of expected residents / users	8652 nos
25.Tenant density per hectare	375 Tenant /hectare
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Access through existing 30.48 m wide relief road, 27.44 m wide linking road & 27.44 m wide SV road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.00 m
29.Existing structure (s) if any	There are slums to be demolished on site.
30.Details of the demolition with disposal (If applicable)	Demolition will be done as per Construction and Demolition Waste Management rule 2016.

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	MCGM / treated water from STP
	Fresh water (CMD):	592 KLD
	Recycled water - Flushing (CMD):	352 KLD
	Recycled water - Gardening (CMD):	40 KLD
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	984 KLD
	Fire fighting - Underground water tank(CMD):	760 cum
	Fire fighting - Overhead water tank(CMD):	30 Cum
	Excess treated water	403 KLD
Wet season:	**Source of water**	MCGM/ treated water from STP
	Fresh water (CMD):	592 KLD
	Recycled water - Flushing (CMD):	352 KLD
	Recycled water - Gardening (CMD):	0 KLD
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	944 KLD
	Fire fighting - Underground water tank(CMD):	760 cum
	Fire fighting - Overhead water tank(CMD):	30 Cum
	Excess treated water	443 KLD
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	1.2 m – 3.2 m bgl
	Size and no of RWH tank(s) and Quantity:	Nil
	Location of the RWH tank(s):	Nil
	Quantity of recharge pits:	21 no's of Percolation Pits provided
	Size of recharge pits :	Area of each Recharge pit= 4.9 sqm Depth of each Recharge pit= 4 m
	Budgetary allocation (Capital cost) :	Rs 13.00 Lakhs
	Budgetary allocation (O & M cost) :	Rs 1.30 Lakhs /Annum
	Details of UGT tanks if any :	Domestic Water Tank =592cum Flushing Water Tank =352cum Fire Water Tank =760 cum Location of tank = Ground & Basement
35.Storm water drainage	**Natural water drainage pattern:**	East to West
	Quantity of storm water:	0.55 cum/sec
	Size of SWD:	0.45mX 0.56 m
Sewage and Waste water	**Sewage generation in KLD:**	884 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	15 nos STP of total capacity 930 KLD (C1-95,C2-85,C3-70,C4-50,1D-60,D1,D2-100, school-35, E1-30,F-50,N1-75,N2-75 N3-75,N4-70,N sale-10, , I- 50 in KLD)
	Location & area of the STP:	Ground and basement
	Budgetary allocation (Capital cost):	Rs 220.00Lakhs
	Budgetary allocation (O & M cost):	Rs 35.00 lakhs /annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Demolition waste, Excavated material ,Cement Bags ,Paint container (@20L) ,Scrap metal generated , Broken Tiles etc
	Disposal of the construction waste debris:	Excavated material Shall be used entirely on site for backfilling and for internal roads,Cement Bags Empty bags to be handed over to recycler.Paint container (@20L) To be handed over to recycler, Scrap metal generated Entirely to be sold for recycling. Broken Tiles Waste tiles to be used for skirting. Broken pieces to be used for china mosaic waterproofing of terraces.
Waste generation in the operation Phase:	**Dry waste:**	1664 kg/day
	Wet waste:	1998 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	--
	STP Sludge (Dry sludge):	40 kg/day
	Others if any:	E- waste will be handed over to authorized MPCB dealers

Mode of Disposal of waste:	**Dry waste:**	To be hand over to Local Recyclers for recycling
	Wet waste:	To be processed in the OWC. Manure obtained shall be used for landscaping / Gardening, Excess manure shall be sold to nearby end users.
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	--
	STP Sludge (Dry sludge):	To be used as a manure
	Others if any:	E- waste will be handed over to authorized MPCB dealers
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	dedicated area for Segregation, curing and storage provided (141 sqm)
	Area for machinery:	3 sqm for each machine (6 nos of machine)
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs 50.00 Lakhs
	O & M cost:	Rs 10.00 lakhs /annum

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

42.Mode of Transportation of fuel to site	Not applicable

43.Green Belt Development	**Total RG area :**	Layout RG- 5949.45 sqm
	No of trees to be cut :	will be as per tree NOC
	Number of trees to be planted :	500 Nos of trees. (There are existing 90 trees on site.)
	List of proposed native trees :	same as below
	Timeline for completion of plantation :	at the end of construction phase

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	.	.	.	.
2	Delonix regia	Gulmohar	41	ornamnetal , shadey
3	Azadiracta indica	Neem	45	medicinal
4	Terminalia arjuna	Arjun tree	75	ornamnetal , shadey
5	Albizia lebbeck	Shirish	68	ornamnetal , shadey
6	Saraca asoca	Ashoka	76	ornamnetal , shadey
7	Bauhinia purpurea	Gulabi kanchan	55	ornamnetal , shadey
8	Phyllanthus emblica	Awla	60	fruit bearing
9	Mangifera indica	Mango	36	fruit bearing
10	Michelia champaca	Sonchaffa	44	ornamnetal , shadey
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 :**	Adani Power/ TATA
	During Construction Phase: (Demand Load)	80kW
	DG set as Power back-up during construction phase	100kVA
	During Operation phase (Connected load):	16098 kW
	During Operation phase (Demand load):	3836 kW
	Transformer:	4 x 1000, 2 x 500, 1x400
	DG set as Power back-up during operation phase:	1D - 1x500 kVA , E1 - 1x160 kVA, F1 - 1x200 kVA, N- 1x180kVA, School - 1x80kVA, C-1x100kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

•Energy efficient LED's which give approx. 30% more light output for the same watts consumed and therefore require less nos. of fixtures
• Provision of solar panels for common area lighting
• Maintaining the power factor between 0.95 lag and 0.98 lag for common area loads.
• Maintaining lighting power density as per ECBC standard in common areas and recreation facility.
• Astronomical switching of outdoor lighting.
• Proposing use of VFD's (Variable Frequency Drive) for all motors used in lifts and use of high efficiency pumps for Plumbing, Firefighting system.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Overall Energy savings	11%
2	.	.

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs 75.00 lakhs
	O & M cost:	Rs. 3.75 Lakhs

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

2	Noise Environment	Noise Baricades and Green Belt Developments	4
3	Water Environment	Modular STP , Drainage with sedimentation tanks	4
4	Good Health Practices	Site Sanitation & Health Care	3
5	Environment Monitoring	Air,water,noise soil monitoring during construction phase	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	Rain Water Harvesting	Recharge pits	13.00	1.30
2	Solid waste management	OWC	50.00	10.0
3	Wastewater management	STP	220.00	35.00
4	energy savings	Solar + LED	75.00	3.75
5	Green belt	Landscaping	150.00	30.0

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Access through existing 30.48 m wide relife road, 27.44 m wide linking road & 27.44 m wide SV road

Parking details:	**Number and area of basement:**	Maximum 2 nos
	Number and area of podia:	Nil
	Total Parking area:	.
	Area per car:	32.00 sq.m
	Area per car:	32.00 sq.m
	Number of 2-Wheelers as approved by competent authority:	.
	Number of 4-Wheelers as approved by competent authority:	Plot C=83 nos + commercial -8 nos, Plot D =405 nos Plot E = 34nos Plot F= 102nos + commercial- 12nos, Plot N =102nos+ commercial- 54 nos PLot I-60 nos
	Public Transport:	--
	Width of all Internal roads (m):	6.00 m wide
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8(a) B2
	Court cases pending if any	NA
	Other Relevant Informations	23 buildings are excluded from environmental parameters and the same were constructed prior to EIA notification
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	31-07-2018

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for Proposed SRA project at 'Daulat Nagar SRA CHS' at F.P. No. F.P. No. 18-19/88 to 100, 18-19/102, 106, 107, 109,18-19/22 36 30, 18-19/31 to 33 (pt), 18-19/34(ABC) (pt), 18-19/35(ABC) (pt), F.P. No. 6 to 15, 16A(pt), 16B, 16C, 16E, l-2/B(pt), 22 (pt), 21 (pt), 20 (pt) of TPS VI, and F.P. No. 86, 89 of TPS II, Santacruz (West), Mumbai. By M/s. HDIL & Pioneer India Developers Pvt. Ltd

DECISION OF SEAC

PP was absent during the meeting and hence *the proposal is deferred*

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

Agenda of 95th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 95 **Meeting Date** April 8, 2019

Subject: Environment Clearance for Proposed Residential & Commercial Project at Land bearing S. No. 180, 181/2, 185/1 to 12, 186, 187/B, 188/Pt, 190, 191, 192, 193, 194, 196, 197, 199, 201, 202, 203, 204/1, 2, 3 & 4 205/1, 2, 3, 4, 5, 6 & 7, 206, 207, 208/1, 2, 3, 4 to 8, 209, 210/1, 2, 3, 211/2, 3, 6 & 7/Pt., 212, 213/1, 214/3, 215/Pt.215/Pt., 216/1,2&4,219/2, 220/Pt.221/1&2, 222/3, 223/1, 223/2, 224/1 & 250/Pt., 250/Pt., 251, 254, 255/1 to 4, 257/1, 259/1 260/Pt. & 260/Pt., 261 & 263, Village: Nilemore, Tal:Vasai, Dist.: Thane.

Is a Violation Case: Yes

1.Name of Project	Anil R. Gupta
2.Type of institution	Private
3.Name of Project Proponent	Anil R. Gupta
4.Name of Consultant	Dr. D. A. Patil; Mahabal Enviro Engg. Pvt. Ltd.
5.Type of project	Residential & Commercial Project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	At Land bearing S. No. 180, 181/2, 185/1 to 12, 186, 187/B, 188/Pt, 190, 191, 192, 193, 194, 196, 197, 199, 201, 202, 203, 204/1, 2, 3 & 4 205/1, 2, 3, 4, 5, 6 & 7, 206, 207, 208/1, 2, 3, 4 to 8, 209, 210/1, 2, 3, 211/2, 3, 6 & 7/Pt., 212, 213/1, 214/3, 215/Pt.215/Pt., 216/1,2&4,219/2, 220/Pt.221/1&2, 222/3, 223/1, 223/2, 224/1 & 250/Pt., 250/Pt., 251, 254, 255/1 to 4, 257/1, 259/1 260/Pt. & 260/Pt., 261 & 263, Village: Nilemore, Tal:Vasai, Dist.: Thane., Maharashtra
9.Taluka	Vasai
10.Village	Nilemore
Correspondence Name:	Anil R. Gupta
Room Number:	D-II/ 1 & 2
Floor:	-
Building Name:	Aakansha Commercial Complex
Road/Street Name:	Achole Road
Locality:	Opp. HDFC Bank, Nallasopara (E)
City:	Nallasopara (E), Vasai Virar
11.Area of the project	Vasai Virar city Municipal Corporation (VVCMC)
12.IOD/IOA/Concession/Plan Approval Number	VVCMC/TP/2655/2015-16 dt. 01/12/2015
	IOD/IOA/Concession/Plan Approval Number: CIDCO/VVSR/RDP/BP-4142/W/5524 dated 23/09/2009, CIDCO/VVSR/CC/BP-4474&4475/W/5699 dated 22/01/2010, VVCMC/TP/RDP/BP-04473/076/2011-12 dated 09/08/2011, VVCMC/TP/CC/VP-0310/1681 dated 31/10/2011, VVCMC/TP/RDP/VP-125/127/2011-12 dt 31/10/2011, VVCMC/TP/CC/VP-0420/134/2011-12 dt. 18/11/2011, VVCMC/TP/CC/VP-0301/1681 dt. 28/11/2011, VVCMC/TP/RDP/VP-0300/1690/2012-13 dt. 29/11/2011, VVCMC/TP/CC/VP-0238/1740 dt. 07/12/2011, VVCMC/TP/CC/VP-0239/2035 dt. 06/01/2012, VVCMC/TP/CC/VP-0193-0359/308/2012-13 dt. 05/05/2012, VVCMC/TP/RDP/VP-111/0302-1/2013-14 dt. 16/12/2013, VVCMC/TP/2655/2015-16 dt. 01/12/2015
	Approved Built-up Area: 688154.56
13.Note on the initiated work (If applicable)	FSI Area: 277568.71 m2 Construction area: 463274.76 m2 Case is filed against us vide no. 88/2015 before JMFC, Vasai Court for violation of EIA Notification 2006
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Amenities Total area As per order no. VVCMC/TP/RDP/VP-111/0302-1/2013-14 Dt- 16/12/2013• Amenity area as per the approved RDP Order No.VVCMC/TP/RDP/VP-111/063/2017-18 Dated 14/08/2017 (PS, HS-1 & 2)
15.Total Plot Area (sq. m.)	378746.39 m2
16.Deductions	147406.05 m2
17.Net Plot area	231340.34 m2

18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 402290.21 m2
	b) Non FSI area (sq. m.): 285864.35 m2
	c) Total BUA area (sq. m.): 688154.56
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 402290.21 m2
	Approved Non FSI area (sq. m.): 285864.35
	Date of Approval: 01-12-2015
19.Total ground coverage (m2)	66371.54
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	28.69 %
21.Estimated cost of the project	8990000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Primary School	G + 7F	29.40 m
2	35 WINGS	G + 12 F	38.15 m
3	High School No. 1 & 2	G + 7 (pt)	29.40 m
4	Hospital	B+G + 3F	15.90 m
5	170 Wings	G + 7F	23.90 m
6	75 Wings	G + 9F	29.60 m
7	Market	G + 3F	14.00

23.Number of tenants and shops	Flats: 17610 nos. Shops: 1035 Nos. Hall & office: 148 Nos. Hospital, Primary School and High School & Market buildings
24.Number of expected residents / users	93,789 Nos.
25.Tenant density per hectare	465 Nos./ha
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	The project site is accessed by 30m wide Virar-Nallasopara Road on the west side
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Min 9 m
29.Existing structure (s) if any	Nil
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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

32.Total Water Requirement

Dry season:	Source of water	VVCMC
	Fresh water (CMD):	8044 KLD
	Recycled water - Flushing (CMD):	4374 KLD
	Recycled water - Gardening (CMD):	235 KLD
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	12183 CMD
	Fire fighting - Underground water tank(CMD):	As per fire NOC
	Fire fighting - Overhead water tank(CMD):	As per fire NOC
	Excess treated water	6890
Wet season:	Source of water	VVCMC
	Fresh water (CMD):	7192 KLD
	Recycled water - Flushing (CMD):	4074 KLD
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	
	Total Water Requirement (CMD) :	11987
	Fire fighting - Underground water tank(CMD):	As per fire NOC
	Fire fighting - Overhead water tank(CMD):	As per fire NOC
	Excess treated water	7125
Details of Swimming pool (If any)		NA

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	2 -3 m
	Size and no of RWH tank(s) and Quantity:	13 RWH Tanks of total capacity 1450 KLD
	Location of the RWH tank(s):	Ground
	Quantity of recharge pits:	Nil
	Size of recharge pits :	Nil
	Budgetary allocation (Capital cost) :	Rs. 110 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 6 Lakhs/year
	Details of UGT tanks if any :	Below ground
35.Storm water drainage	**Natural water drainage pattern:**	Towards South west side
	Quantity of storm water:	16,624 m3/hr
	Size of SWD:	1) 450 X 450 mm 2) 450 X 600 mm 3) 600 X 650 mm 4) 750 X 900 mm wide channel
Sewage and Waste water	**Sewage generation in KLD:**	11379 KLD
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	4 STP's with total capacity of 12000 KLD
	Location & area of the STP:	Ground
	Budgetary allocation (Capital cost):	Rs. 1200 Lakhs
	Budgetary allocation (O & M cost):	Rs. 240 Lakhs/y
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction debris generation: 15252 m3
	Disposal of the construction waste debris:	The construction debris will be utilized at site for Road Paving and plinth filling
Waste generation in the operation Phase:	**Dry waste:**	18069 kg/d
	Wet waste:	27104 kg/d
	Hazardous waste:	NA
	Biomedical waste (If applicable):	1470 kg/month
	STP Sludge (Dry sludge):	114 m3/day
	Others if any:	-

Mode of Disposal of waste:	**Dry waste:**	Dry garbage will be segregated & disposed off to recyclers
	Wet waste:	Wet garbage will be composted using Mechanical Composting Technology and used as organic manure for landscaping.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	Handed over to MPCB authorized agency for safe disposal
	STP Sludge (Dry sludge):	Sludge use as manure for gardening
	Others if any:	-
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	1350 m2
	Area for machinery:	675 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 120 Lakhs
	O & M cost:	Rs. 50 Lakhs/year

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	47085.07 m2
	No of trees to be cut :	0
	Number of trees to be planted :	3000 Nos.
	List of proposed native trees :	As Mentioned Below
	Timeline for completion of plantation :	2 Years

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadirachta Indica	Neem	118 Nos.	Large tree, good for roadside plantation
2	Albizia Lebbeck	Sirish	126 Nos.	Shady tree, yellowish green fragrant flowers
3	Alstonia Scholaris	Saptaparn	105 Nos.	An evergreen Tree
4	Bauhinea Purpurea	Kanchan	78 Nos.	A Pink butterfly tree
5	Erythrina Indica	Pangara	135 Nos.	Medium sized deciduous tree. Bright scarlet flowers.
6	Peltophorum Ferruguneum	Copper Pod Tree	105 Nos.	A Ornamental tree
7	Cassia Fistula	Bahava	93 Nos.	Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plant
8	Lagestromia Speciosa	Flos Reginae	96 Nos.	A flowering Plant
9	Butea Monosperma	Palas, Flame of Forest	105 Nos.	Medium sized deciduous tree. Beautiful orange flowers, Butterfly host plant
10	Pongamia Pinnata	Karanj	87 Nos.	Shady tree.
11	Milligtonia Hortensis	Indian Cork Tree	102 Nos.	An evergreen tree with white flowers
12	Terminilia Coniata	Arjun	90 Nos.	A evergreen avenue tree
13	Brassia Actinophylla	Umbrella Plant	99 Nos.	A large ornamental tree
14	Mimosups Elengii	Bakul	108 Nos.	Shady tree, small white fragrant flowers
15	Plumeria Alba	Chapha	84 Nos.	Medium sized evergreen tree, fragrant white flowers, Butterfly host plant
16	Bambusa Vulgaris	Golden Bamboo Verigated	81 Nos.	-
17	Anthocephallus Cadamba	Kadamb	106	Shady, large tree, ball shaped flowers.
18	Erythrina Indica	Pangara	99	Medium sized deciduous tree. Bright scarlet flowers.
19	Nefium Indicun	Kanher	110	A small flowering plant
20	Cocos Nucifera	Coconut	84	A fruit bearing tree

21	Lagerstroemia Flos Regineae	Tamhan	123	State flower tree of Maharashtra Medium sized tree, beautiful purple flowers
22	Murraya Paniculata	Kunti	90	Small tree, Fragrant white flowers, Butterfly host plant
23	Acacia Catechu	Khair	125	A deciduous, thorny tree
24	Aegle Marmelos	Bel	102	small to medium-sized tree with medicinal and spiritual value
25	Alangium Salvifolium	Ankol	99	A flowering plant
26	Mangifera Indica	Mango	102	An evergreen fruit bearing tree
27	Syzygium Cumini	Jamun	105	A fruit bearing tree
28	Psidium Guajava	Guava	108	A evergreen fruit bearing tree
29	Manilkara Zapota	Chiku	90	A small evergreen fruit bearing tree
30	Annona Reticulata	Custard Apple	45	A 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	-	-	-

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	1000 W
	DG set as Power back-up during construction phase	500 W
	During Operation phase (Connected load):	-
	During Operation phase (Demand load):	45 MW
	Transformer:	-
	DG set as Power back-up during operation phase:	8250 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	-

48.Energy saving by non-conventional method:

• Natural shading through elevation features to minimize heat gain and reduce air-conditioning requirement
• Use of AC and façade system to reduce heat gain and power consumption
• Use of low-e glass to reduce power requirement
• Large central atriums for natural cross-ventilation
• Solar lighting in common areas, garden and road
• Solar hot water for residential buildings
• Solar street lights will be proposed
• Energy efficient lighting fixtures (LED lights) to all buildings

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total Energy Saving	20.5%

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. 1275 Lakhs
	O & M cost:	Rs. 60 Lakhs/y

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water spray for dust suppression (One water Tanker to spray water)	-	9
2	Site sanitation (Toilets)	-	13
3	Environmental Monitoring	(As per the CPCB guidelines through MoEF Approved laboratories – Ambient Air-RSPM, PM2.5, SO2, NOx, CO), Noise: Leq day time and Night Time)	5
4	Portable Water Supply to Labour Camp	-	9
5	Health check-up & first aid	-	7
6	Safety Personal Protective Equipment (Helmets, Safety Shoes, Safety Belt, Goggles, Hand Gloves etc.)	-	15
7	Traffic Management (Sign Boards, Persons at entry exit and Parking area)	-	4
8	Safety nets	-	20
9	Tyre cleaning and Vehicle maintenance	-	5

10	Solid Waste Management & Site maintenance activity	-	7
11	Safety - Training to Workers (Twice in Year), Safety Officer	-	8
12	Total Cost	-	102

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP (Tertiary)	Continuous O & M Environment Monitoring: Monthly, STP outlet water quality for pH, BOD, COD, SS, FC, Nitrate, Phosphate and O&G	1200	240
2	Solar System	Quarterly	1275	60
3	Solid waste management	Continuous O & M	540	150
4	Rainwater harvesting	During rainy season (cleaning of SWD, Contour trenches and filtration units before rainy season)	110	6
5	Landscape	Daily	450	50
6	Environmental Monitoring	As per the CPCB guidelines through MoEF Approved laboratories	-	3
7	Total Cost	-	3575	509

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

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

52.Any Other Information

No Information Available

53.Traffic Management

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

Parking details:	**Number and area of basement:**	1 basement for hospital bldg.: 5792.54 m2
	Number and area of podia:	-
	Total Parking area:	1,83,345 m2
	Area per car:	25.4 m2
	Area per car:	25.4 m2
	Number of 2-Wheelers as approved by competent authority:	17554 Nos.
	Number of 4-Wheelers as approved by competent authority:	5145 Nos.
	Public Transport:	-
	Width of all Internal roads (m):	Min 6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Tungareshwar Wildlife sanctuary: 6.8 km
	Category as per schedule of EIA Notification sheet	8 (a)
	Court cases pending if any	Case is filed against us vide no. 88/2015 before JMFC, Vasai Court for violation of EIA Notification 2006
	Other Relevant Informations	NA.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	13-04-2017

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. Mahabal Enviro Engg. Pvt. Ltd.

PP informed that, the project under consideration is *proposed Residential & Commercial Project. PP further stated that,* the total plot area of the project is 378746.39 Sq.mt. having total construction area area 688154.56 Sq.mt. (FSI - 402290.21 sq.mt + NON FSI- 285864.35 sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Primary School	G + 7F	29.40 m
35 WINGS	G + 12 F	38.15 m
High School No. 1 & 2	G + 7 (pt)	29.40 m
Hospital	B+G + 3F	15.90 m
170 Wings	G + 7F	23.90 m
75 Wings	G + 9F	29.60 m
Market	G + 3F	14.00

The project earlier considered in 89th SEAC-2 meeting held on 20-02-2019 and noted that proposal under consideration is of Violation of EIA Noti?cation 2006, as amended and de?ned in MoEF & CC noti?cation dated 14th March 2017 & 8th March 2018. ToR has been approved for the proposal in 62nd (Part A) SEAC-2 meeting held on 07-06-2018. Additionally,in order to asses for the Environmental Damage and for Estimation of Remediation Costs, additional ToR accorded for remediation plan and natural & community resource augmentation plan as ?nalised in 87th SEAC-2 meeting held on 7/02/2019 and made available on website in public domain under 'Public Document of ec website (ec.mpcb.in).

It is noted that, PP applied for EC on 21/03/2011. During the appraisal then SEAC2 noted that, 52304.26 sq mtr construction initiated by the PP without prior EC. Then SEAC 2 recommended the proposal to SEIAA as per then procedure, in its 40th meeting held on 17-18/11/2015. Then SEIAA deferred the proposal until the outcome of Criminal Case filed in first class Judicial Magistrate at Vasai on 12/01/2016.

It is further noted that, Out of proposed 688154.56 sq mtr TBA, as on date, TBA of 463274.76Sq.mt has been completed. So PP continues the construction without EC even after violation identified. Committee is of the opinion that, the PP wilfully continue the violation. This is very serious environmental issue.

It is noted that, para (4) in Notification dated 14.03.2017 regarding violation stipulates that the cases of violation will be appraised by SEACs with a view to assess that the project has been constructed at a site which under prevailing laws is permissible and expansion has been done which can be run sustainably under compliance of environmental norms with adequate environmental safeguards; and in case, where the finding of the Expert Appraisal Committee is negative, closure of the project will be recommended along with other actions under the law. In the project under consideration, violation identified in year 2014 as 52304.26 sq mtr construction initiated by the PP without prior EC and continue with the construction which is till date 463274.76 sq mtr. PP informed during the meeting that the first possession was given on 2/5/2012 & the latest possession given on 17/3/2019.

DECISION OF SEAC

PP further informed that sewer line network is not there to carry the excess treated waste water.

Considering this, after deliberation Committee decided to recommend the proposal for rejection of EC & for further necessary legal action in he said matter.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

SEAC-II have decided to recommend the proposal for rejection subject to above reasons.

Agenda of 95th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 95 **Meeting Date** April 8, 2019

Subject: Environment Clearance for Amendment in EC for Residential Development with shops at village Daighar, District – Thane.

Is a Violation Case: No

1.Name of Project	Amendment in EC for Residential Development with shops
2.Type of institution	Private
3.Name of Project Proponent	M/s. Glory Township LLP
4.Name of Consultant	M/s. Ultra-Tech
5.Type of project	Residential Development with shops
6.New project/expansion in existing project/modernization/diversification in existing project	Amendment in EC
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	The project has received Environmental Clearance dt 18.06.2015 form EAC, Delhi, MoEF & CC (F. No. 21-141/2014-IA.III)
8.Location of the project	Plot bearing S. no. 89, 88/4, 90/2/5, 90/2/4, 90/1, 90/4, 101/1-2, 101/2, 101/3 of village Daighar, District – Thane.
9.Taluka	Thane
10.Village	Daighar
Correspondence Name:	M/s. Glory Township LLP
Room Number:	Shop no. 4
Floor:	--
Building Name:	Janki Niwas
Road/Street Name:	Dr. Moose Road
Locality:	Near Gadkari Rangaytan
City:	Thane
11.Area of the project	Thane Municipal Corporation (T.M.C.)
12.IOD/IOA/Concession/Plan Approval Number	Received Commencement Certificate from T.M.C. V.P. No. S11/0181/18 dt. 15.10.2018
	IOD/IOA/Concession/Plan Approval Number: Commencement Certificate V.P. No. S11/0181/18 dt. 15.10.2018
	Approved Built-up Area: 31077.63
13.Note on the initiated work (If applicable)	The total constructed area (FSI + NON FSI) on site till date: 698.45 Sq.mt.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	27,398.67 Sq. mt.
16.Deductions	6,973.13 Sq. mt.
17.Net Plot area	20,425.54 Sq. mt.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 55,557.06 Sq. mt.
	b) Non FSI area (sq. m.): 51,936.25 Sq. mt.
	c) Total BUA area (sq. m.): 107493.31
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 31,077.63 sq.mt.
	Approved Non FSI area (sq. m.): 34,904.99 sq.mt.
	Date of Approval: 15-10-2018
19.Total ground coverage (m2)	10,617.96 Sq. mt.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	52 %
21.Estimated cost of the project	2831000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building Type A1	Stilt + 18th Floor	57.75
2	Building Type A2	Gr./Stilt + 18th Floor	57.75
3	Building Type B1	Gr./Stilt + 18th Floor	57.75
4	Building Type C1	Gr./Stilt + 28th Floor	87.25
5	Building Type C2	Gr./Stilt + 28th Floor	87.25
6	Building Type D1	Basement + Stilt + Podium + 29th Floor	94.15
7	Building Type D2	Basement + Stilt + Podium + 30th Floor	97.10
8	Building Type D3	Basement + Stilt + Podium + 30th Floor	97.10
9	Building Type D4	Basement + Stilt + Podium + 30th Floor	97.10
10	Building Type B2 (MHADA + Sale)	Gr./Stilt + 18th Floor	57.75

23.Number of tenants and shops	Residential Flats: 1272 Nos. Shops: 40 Nos.
24.Number of expected residents / users	5943 Nos.
25.Tenant density per hectare	592 / hectors
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	It is well connected with 60.00s mt. wide Kalyan Shilphata Road.
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.00 mt.
29.Existing structure (s) if any	Not Applicable
30.Details of the demolition with disposal (If applicable)	Not Applicable

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	T.M.C./ Tanker water for Swimming pool make up
	Fresh water (CMD):	Domestic: 527 KLD (T.M.C.)
	Recycled water - Flushing (CMD):	263 KLD
	Recycled water - Gardening (CMD):	31 KLD
	Swimming pool make up (Cum):	4 KLD (Tanker water of potable quality)
	Total Water Requirement (CMD) :	825 KLD
	Fire fighting - Underground water tank(CMD):	10 nos. of tanks of capacity 150 KL each
	Fire fighting - Overhead water tank(CMD):	300 KL
	Excess treated water	322 KL
Wet season:	**Source of water**	T.M.C./ Tanker water for Swimming pool make up/ Partly by RWH
	Fresh water (CMD):	Domestic: 527 KLD (504 form T.M.C. + 23 KLD from RWH)
	Recycled water - Flushing (CMD):	263 KLD
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	4 KLD (Tanker water of potable quality)
	Total Water Requirement (CMD) :	794 KLD
	Fire fighting - Underground water tank(CMD):	10 nos. of tanks of capacity 150 KL each
	Fire fighting - Overhead water tank(CMD):	300 KL
	Excess treated water	353 KL
Details of Swimming pool (If any)	Swimming pool volume: 297.98 m3 Swimming pool make up water requirement: 04 KLD	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	The Ground water level is between 2.40 mt. to 2.70mt. below existing ground level.
	Size and no of RWH tank(s) and Quantity:	3 nos. of RWH tanks of total 85 KL capacity
	Location of the RWH tank(s):	For building type D1, D2, D3 & D4: Basement ; For building type A1, A2, B1, B2, C1 & C2: Underground
	Quantity of recharge pits:	4 nos.
	Size of recharge pits :	--
	Budgetary allocation (Capital cost) :	Rs. 18.70 Lacs
	Budgetary allocation (O & M cost) :	Rs. 0.65 Lacs/annum
	Details of UGT tanks if any :	For building type D1, D2, D3 & D4: Basement For building type A1, A2, B1, B2, C1 & C2: Underground
35.Storm water drainage	**Natural water drainage pattern:**	The storm water collected through the storm water drains of adequate capacity will be discharged in to the municipal SWD.
	Quantity of storm water:	0.43 m3/sec
	Size of SWD:	600mm wide SWD with slope 1: 500
Sewage and Waste water	**Sewage generation in KLD:**	684 KLD
	STP technology:	MBBR (Moving Bed Bio Reactor)
	Capacity of STP (CMD):	720 KLD
	Location & area of the STP:	Location: Basement level (Area: 600 Sq. mt.)
	Budgetary allocation (Capital cost):	Rs. 235.90 Lacs
	Budgetary allocation (O & M cost):	Rs. 31.64 Lacs/annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Excavated earth shall be partly reused for back filling on site and partly disposed to authorized landfill site
	Disposal of the construction waste debris:	Construction waste shall be partly reused on the site and partly will be disposed to the authorized landfill site.
Waste generation in the operation Phase:	**Dry waste:**	1579 Kg/day
	Wet waste:	1053 Kg/day
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	103 kg/day
	Others if any:	Not Applicable

Mode of Disposal of waste:	**Dry waste:**	Non-recyclable : To T.M.C ; Recyclable: To recyclers
	Wet waste:	Composting in organic waste convertor
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Use as manure
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	108 Sq. mt.
	Area for machinery:	12 Sq. mt.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 9.00 Lacs
	O & M cost:	Rs. 3.85 Lacs/annum

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

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

43.Green Belt Development	**Total RG area :**	5174.53 sq. mt.
	No of trees to be cut :	Nil
	Number of trees to be planted :	435
	List of proposed native trees :	As shown below
	Timeline for completion of plantation :	At the time of completion of project

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Albizia lebbeck	Shirish	21	Shady tree, yellowish green fragrant flowers, fast growing tree, soil moisture remains high under lebbek as it provides dense canopy.
2	Azadirachta indica	Neem	21	Large tree, fast-growing evergreen tree, drought resistance, Medicinal properties, good for roadside plantation
3	Ailanthus excelsa	Maharukh	17	Large tree, aromatic good for roadside plantation
4	Pongamia pinnata / Millettia pinnata	Karanj	7	It has large canopy which spreads equally wide, It has potential to grow in salt water soil, drought-tolerant.
5	Saraca indica	Sita Ashok	15	Shady evergreen tree with red-yellow flowers
6	Anthocephallus cadamba	Kadamb	23	It is a quick growing, large traffic like spreading branches, its fragment orange flowers attracts pollinators, it helps in improving physical and chemical properties of soil, Shady, large tree, ball shaped flowers. It acquires profitable medicinal and commercial properties.
7	Cassia Fistula	Bahava	24	Medium sized deciduous tree. Beautiful yellow flowers, it is relatively drought tolerant and slightly salt tolerant. It has medicinal properties, Butterfly host plant.
8	Mimusops elengi	Bakul	4	Shady medium-sized evergreen tree, small white fragrant flowers, Its timber is valuable, the fruit is edible, and it is used in traditional medicine.
9	Nyctanthes arbortristis	Parijat	55	Small deciduous fast growing tree or shrub, beautiful fragrant flowers, Its leaves and bark has medicinal properties.

10	Lagerstroemia flos-regineae	Tamhan	20	State flower tree of Maharashtra Medium sized tree, beautiful purple flowers, it has medicinal properties, and wood is commercially used. Helps to control soil erosion
11	Murraya paniculata	Kunti	60	Small tropical, evergreen tree, Fragrant white flowers, planted as ornamental tree, it has potential of medicinal properties, family tree for bees, Butterfly host plant
12	Gmelina arborea	Shivan	19	Fast growing tree with beautiful yellow flowers, its timber is used in constructions, furniture, carriages, sports, musical instruments and artificial limbs. Its root, bark and fruit have medicinal properties.
13	Bauhinia racemosa	Apta	10	Small tree with small white flowers, leaves, Butterfly host plant
14	Caryota urens	Fish Tail palm	15	Solitary-trunked tall evergreen tree. Pulp of the fully grown up plant is cut, sun dried, powdered and is edible. Ornamental plant.
15	Michelia champaca	Sonchafa	13	Medium sized evergreen tree, strongly fragrant yellow flowers used in perfume industry, Butterfly host plant
16	Putranjiva roxburghii	Putrajiva	8	Medium sized evergreen tree, Its bark, leaves and fruit has medicinal properties.
17	Citrus sp.	Lemon	77	Small evergreen tree, Fruit is edible, Butterfly host plant
18	Dillenia indica	Elephant apple tree	18	It is an evergreen large shrub or small to medium-sized tree growing to 15 m tall. Fruit pulp is bitter-sour and used in Indian cuisine in curries, jam and jellies. It is extensively used in Dal and in fish preparations in Assam.
19	Millingtonia hortensis	Indian cork tree	8	It grows upto18 to 25 m high and leaves up to 40 years. It grows well in various soil types. White pleasant fragrant flowers. Birds fed on its fruit.
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	Maharashtra State Electricity Distribution Company Limited (MSEDCL)
	During Construction Phase: (Demand Load)	150 KW
	DG set as Power back-up during construction phase	As per requirement
	During Operation phase (Connected load):	13942 KW
	During Operation phase (Demand load):	8604 KW
	Transformer:	4 nos. of 1000 kVA
	DG set as Power back-up during operation phase:	1x500 kVA, 1x225 kVA, 1x750 kVA and 1x910 kVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

LED lights instead of conventional CFL/T5 lamps
High Efficiency motors with BEE 5 stars rated
All water pump motors with high efficiency power
Use of star rated Geyser
Fluorescent light fixtures on solar system
Solar panels for street lighting

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Overall energy saving	21%

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 27.30 Lacs
	O & M cost:	Rs. 0.42 Lacs/annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water for Dust Suppression	9.00
2	Air Environment	Air and Noise Monitoring: On site Sensors	12.5

3	Air Environment	Air and Noise Monitoring: By outside MoEF & CC Approved Laboratory	1.10
4	Water Environment	Drinking water analysis	0.90
5	Land Environment	Site Sanitation	5.00
6	Health & Hygiene	Disinfection- Pest Control	6.00
7	Health & Hygiene	Health Check-up of workers	22.50
8	Cost towards Disaster Management	--	1770.30

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	AIR & NOISE ENVIRONMENT - Ambient Air quality & Noise Monitoring:	On site sensors	No set up cost is involved as already considered Construction Phase	0.50
2	AIR & NOISE ENVIRONMENT - Ambient Air quality & Noise Monitoring:	By outside MoEF & CC Approved Laboratory	No set up cost is involved	0.22
3	AIR & NOISE ENVIRONMENT - Cost for DG Stack Exhaust Monitoring	4 nos. of stacks	No set up cost is involved	0.19
4	AIR & NOISE ENVIRONMENT - Cost for Plantation	5174.53 Sq.mt. of RG area on ground	28.46	1.20
5	WATER ENVIRONMENT - Waste water treatment	Cost for sewage Treatment Plant	217.90	30.61
6	WATER ENVIRONMENT - Cost for water & waste water Monitoring	On site sensors	18.00	1.00
7	WATER ENVIRONMENT - Cost for water & waste water Monitoring	By outside MoEF & CC Approved Laboratory	No set up cost is involved	0.027
8	WATER ENVIRONMENT - Water Conservation (Rain Water Harvesting System)	Cost for RWH tanks	8.50	0.43
9	WATER ENVIRONMENT - Water Conservation (Rain Water Harvesting System)	Cost for treatment unit for Rain Water collected in tanks	9.00	0.03

10	WATER ENVIRONMENT - Water Conservation (Rain Water Harvesting System)	Cost for Rain water harvesting pits	1.20	0.06
11	WATER ENVIRONMENT - Water Conservation (Rain Water Harvesting System)	Cost for Rainwater Monitoring	No set up cost is involved	0.14
12	LAND ENVIRONMENT - Solid Waste Management	Cost for Treatment of biodegradable garbage in OWC	9.00	3.77
13	LAND ENVIRONMENT - Solid Waste Management	Environmental Monitoring	No set up cost is involved	0.08
14	ENERGY CONSERVATION - Use of renewable energy	Solar system	27.30	0.42
15	Cost towards disaster management	--	1590.95	36.16

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1 no. of entry and exit

Parking details:	**Number and area of basement:**	1 Basement for Building type D1, D2, D3 & D4 (Area: 5943.92 sq.mt.)
	Number and area of podia:	1 Podium for Building type D1, D2, D3 & D4 (Area: 6913.93 sq.mt.)
	Total Parking area:	19,177.79 Sq. mt.
	Area per car:	--
	Area per car:	--
	Number of 2-Wheelers as approved by competent authority:	1340 Nos.
	Number of 4-Wheelers as approved by competent authority:	603 Nos.
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	Min 6.0 mt.
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	8 (b) B2
	Court cases pending if any	No
	Other Relevant Informations	--
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	29-10-2018

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

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

PP informed that, the project under consideration is *Residential Development with shops. PP further stated that, t*he total plot area of the project is 27,398.67 Sq.mt. having total construction area area 107493.31Sq.mt. (FSI - 55,557.06 sq.mt + NON FSI 51,936.25 sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Building Type A1	Stilt + 18th Floor	57.75
Building Type A2	Gr./Stilt + 18th Floor	57.75
Building Type B1	Gr./Stilt + 18th Floor	57.75
Building Type C1	Gr./Stilt + 28th Floor	87.25
Building Type C2	Gr./Stilt + 28th Floor	87.25
Building Type D1	Basement + Stilt + Podium + 29th Floor	94.15
Building Type D2	Basement + Stilt + Podium + 30th Floor	97.10
Building Type D3	Basement + Stilt + Podium + 30th Floor	97.10
Building Type D4	Basement + Stilt + Podium + 30th Floor	97.10
Building Type B2	(MHADA + Sale) Gr./Stilt + 18th Floor	57.75

Project has received Environmental clearance vide letter dated 18.06.2015 for TBA 72812.92 sq mtt.(FSI 35919.58 and NonFSI 36903.27 sq mtr)

During the meeting PP informed that the acknowledgement copy from local planning Authority regarding submission of proposed building plans is not with him and requested for time to submit it. Committee agreed to this.

DECISION OF SEAC

During the meeting PP informed that the acknowledgement copy from local planning Authority regarding submission of proposed building plans is not with him and requested for time to submit it. Committee agreed to this.

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

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

Agenda of 95th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 95 **Meeting Date** April 8, 2019

Subject: Environment Clearance for Amendment in EC for Residential Project "Raheja Residency" at CTS No. 827A/1A & 827A/2 Malad (E), Mumbai

Is a Violation Case: No

1.Name of Project	FERANI HOTELS PVT. LTD.
2.Type of institution	Private
3.Name of Project Proponent	Shri. D. D. Bhagwat; FERANI HOTELS PVT. LTD.
4.Name of Consultant	Dr. D. A. Patil; Mahabal Enviro Engineers Pvt. Ltd.
5.Type of project	Residential Project
6.New project/expansion in existing project/modernization/diversification in existing project	Amendment in EC
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Earlier EC received vide letter No. SEIAA-EC-0000000315 dated 17.05.2018
8.Location of the project	CTS No. 827A/1A & 827A/2 Malad (E), Mumbai
9.Taluka	Borivali
10.Village	Malad
Correspondence Name:	Shri. D. D. Bhagwat
Room Number:	623
Floor:	Second Floor
Building Name:	Construction House - B
Road/Street Name:	Linking Road
Locality:	Opposite Khar Telephone Exchange, Khar
City:	Mumbai - 400052
11.Area of the project	Municipal Corporation of Greater Mumbai (MCGM)
12.IOD/IOA/Concession/Plan Approval Number	IOD/CC obtained
	IOD/IOA/Concession/Plan Approval Number: CHE/7125/BP(WS)/AP; CHE/7127/BP(WS)/AP; CHE/7129/BP(WS)/AP; CHE/7131/BP(WS)/AP; CHE/7126/BP(WS)/AP; CHE/7128/BP(WS)/AP; CHE/7130/BP(WS)/AP;
	Approved Built-up Area: 127163.95
13.Note on the initiated work (If applicable)	Bldg A,B,C,D,E are existing building and Bldg F,G,H are nearing completion
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	57252.10
16.Deductions	1517.30
17.Net Plot area	55734.80
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 177067.00
	b) Non FSI area (sq. m.): 194997.00
	c) Total BUA area (sq. m.): 372064.00
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 51172.54
	Approved Non FSI area (sq. m.): 127163.95
	Date of Approval: 19-03-2016
19.Total ground coverage (m2)	29851
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	52.13
21.Estimated cost of the project	9457200000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Existing Bldg	-	-
2	Wing A	St + 10	36.15
3	Wing D	St + 20	66.35
4	Wing E	St + 20	66.35
5	Wing F	B + St + 20	69.15
6	Wing G	B + St + 20	69.15
7	Wing H	B + St + 20	69.15
8	Proposed Bldg	-	-
9	Wing BC	B + P + St + 20	69.95
10	Wing I	B + St + U St + 35	119.95
11	Wing J	B + St + U St + 35	119.95
12	Wing K	B + St + U St + 35	119.95
13	Wing L	B + St + U St + 35	119.95
14	Wing M	2B + St + 34	119.05
15	Wing N	2B + St + 34	119.05
16	Wing P	3B + St + 20	69.95
17	Wing Q	3B + St + 29	102.65
18	Wing R	3B + St + 31	109.05
19	Wing S	3B + St + 29	102.65
20	Wing T	3B + St + 20	69.95
21	Club House	B + G + 1	08.00

23.Number of tenants and shops	Flats: 2144 Nos.
24.Number of expected residents / users	10,720 Nos.
25.Tenant density per hectare	385
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	The project site is accessible by 36.6 m wide Reservoir Road off General Arun Kumar Vaidya Marg from West side and 18.30 m wide road from North and East side
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	Building A,B,C,D,E are existing
30.Details of the demolition with disposal (If applicable)	Existing Building B and C are proposed to be demolished by constructing new Bldg BC with new planing. Disposal of debris will be in accordance with guidelines of local authority.

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	-	-	-	-

32.Total Water Requirement

Dry season:	Source of water	MCGM
	Fresh water (CMD):	965
	Recycled water - Flushing (CMD):	482
	Recycled water - Gardening (CMD):	70
	Swimming pool make up (Cum):	12
	Total Water Requirement (CMD) :	1459
	Fire fighting - Underground water tank(CMD):	AS PER NBC
	Fire fighting - Overhead water tank(CMD):	AS PER NBC
	Excess treated water	785
Wet season:	Source of water	MCGM
	Fresh water (CMD):	819
	Recycled water - Flushing (CMD):	482
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	12
	Total Water Requirement (CMD) :	1459
	Fire fighting - Underground water tank(CMD):	AS PER NBC
	Fire fighting - Overhead water tank(CMD):	AS PER NBC
	Excess treated water	855
Details of Swimming pool (If any)	Yes swimming pool is provided	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	3 - 4 m
	Size and no of RWH tank(s) and Quantity:	18 RWH Tanks with total 450 KL capacity
	Location of the RWH tank(s):	Below Basement
	Quantity of recharge pits:	-
	Size of recharge pits :	-
	Budgetary allocation (Capital cost) :	104 Lakh
	Budgetary allocation (O & M cost) :	5.2 Lakh/yr
	Details of UGT tanks if any :	Under Ground Tanks are provided
35.Storm water drainage	**Natural water drainage pattern:**	Towards South Side
	Quantity of storm water:	6032.27 m3/hr
	Size of SWD:	600 mm, 800 mm, 750 mm, 1000 mm wide channel
Sewage and Waste water	**Sewage generation in KLD:**	1351
	STP technology:	MBBR
	Capacity of STP (CMD):	3 STP of total 1500 KLD capacity
	Location & area of the STP:	Location: Below Basement; Area provided: 1357 m2
	Budgetary allocation (Capital cost):	300 Lakh
	Budgetary allocation (O & M cost):	60 Lakh/yr

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction debris : 10,607 m3; Excavation quantity : 1,47,520 m3
	Disposal of the construction waste debris:	The construction debris will be utilized at site for Road Paving
Waste generation in the operation Phase:	**Dry waste:**	2144 kg/d
	Wet waste:	3216 kg/d
	Hazardous waste:	-
	Biomedical waste (If applicable):	-
	STP Sludge (Dry sludge):	14 KLD
	Others if any:	-

Mode of Disposal of waste:	**Dry waste:**	Dry garbage will be disposed off to authorized recyclers
	Wet waste:	Wet garbage will be composted using Mechanical Composting unit and will be used as organic manure for landscaping.
	Hazardous waste:	-
	Biomedical waste (If applicable):	-
	STP Sludge (Dry sludge):	Sludge use as manure for gardening
	Others if any:	-
Area requirement:	**Location(s):**	Ground Floor
	Area for the storage of waste & other material:	250 m2
	Area for machinery:	50 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	140 Lakh
	O & M cost:	56 Lakh

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	-	-	-	-	-
Amount of effluent generation (CMD):		-			
Capacity of the ETP:		-			
Amount of treated effluent recycled :		-			
Amount of water send to the CETP:		-			
Membership of CETP (if require):		-			
Note on ETP technology to be used		-			
Disposal of the ETP sludge		-			

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	13966.42 m2
	No of trees to be cut :	-
	Number of trees to be planted :	Existing Trees on site: 244 Nos.; New Trees to be planted: 549 Nos.
	List of proposed native trees :	As mentioned below
	Timeline for completion of plantation :	Trees will be planted after completeion of construction work

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	AZADIRACHTA INDICA	NEEM	41	Semi-evergreen tree with medicinal value
2	ALBIZIA LEBBECK	SHIRISH	39	Shady tree, yellowish green fragrant flowers
3	ALSTONIA SCHOLARIS	SAPTAPARN	45	Shady, large evergreen Tree, white fragrant flowers
4	BAUHINEA PURPUREA	KANCHAN	37	Shady tree
5	ERYTHRINA INDICA	PANGARA	40	Medium sized deciduous tree. Bright scarlet flowers.
6	CASSIA FISTULA	BAHAVA	35	Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plant
7	PONGAMIA PINNATA / GLABRA	KARANJ	51	Shady Tree
8	MIMOSUPS ELENGII	BAKUL	50	Shady tree, small white fragrant flowers
9	PLUMERIA ALBA	CHAPHA	160	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
10	ANTHOCEPHALLUS CADAMBA	KADAMB	56	Shady, large deciduous tree, fastgrowing graceful tree, ball shaped flowers.
11	MILLINGTONIA HORTENSIS	INDIAN CORK TREE	3	Shady Tree
12	LAGERSTROEMIA FLOS-REGINEAE	TAMHAN	40	State flower tree of Maharashtra Medium sized tree, beautiful purple flowers
13	MILICIA EXCELSA	KHAYA	3	Medium sized decidous tree
14	MANGIFERA INDICA	MANGO	46	Large, shady tree, fruity plant
15	SYZYGIUM CUMINI	JAMUN	38	Shady tree, white juicy fruit
16	PSIDIUM GUAJAVA	GUAVA	29	Medium sized tree, fruity plant
17	MANILKARA ZAPOTA	CHIKU	45	Medium sized tree, fruity plant
18	ANNONA RETICULATA	CUSTARD APPLE	35	Medium sized tree, fruity plant
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	Adani Electricity
	During Construction Phase: (Demand Load)	500 kVA
	DG set as Power back-up during construction phase	500 kVA
	During Operation phase (Connected load):	26 MW
	During Operation phase (Demand load):	31 MW
	Transformer:	-
	DG set as Power back-up during operation phase:	1062.5 kVA (62.5 kVA x 17)
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

- Energy efficient lighting using LED
- Use of high energy efficient pumps for fire fighting, UG tanks and STP
- Solar Street lights are proposed for common areas such as open spaces, pathways, RG etc.
- Solar hot water will be provided

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total energy Saving	>20%

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	130 Lakh
	O & M cost:	6.5 Lakh/yr

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water spray for dust suppression	-	5

2	Site sanitation and potable water supply to labour	-	10
3	Environmental Monitoring	As per the CPCB guidelines through MoEF Approved laboratories – Ambient Air-RSPM, PM2.5, SO2, NOx, CO), Noise: Leq day time and Night Time	4
4	Health check up and first aid	-	5
5	Safety personal protective equipment	(Helmets, Safety Shoes, Safety Belt, Googles, Hand Gloves etc.)	12
6	Traffic Management	(Sign Boards, Persons at entry exit and Parking area)	4
7	Safety Nets	-	25
8	Storm water Management	SWD along plot boundary	4
9	Tyre cleaning and Vehicle maintenance	-	4
10	Safety Training to Workers, Safety Officer	-	8
11	Disinfection	-	3

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP (Tertiary)	Continuous O & M	300	60
2	Solar System	Weekly	130	6.5
3	Rain Water Harvesting	During Rainy season	104	5.2
4	Solid waste composting	Continuous O & M	140	56
5	Landscape	Daily	19	2
6	Environmental Monitoring	As per the CPCB guidelines through MoEF Approved laboratory	-	4

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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
-	-	-	-	-	-	-	-

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	-
Parking details:	**Number and area of basement:**	3 Basements with total area of 76148.42 m2 area
	Number and area of podia:	1 Podium with 18262.27 m2 area
	Total Parking area:	94410.69 m2
	Area per car:	-
	Area per car:	-
	Number of 2-Wheelers as approved by competent authority:	50 Nos.
	Number of 4-Wheelers as approved by competent authority:	2730 Nos.
	Public Transport:	-
	Width of all Internal roads (m):	6m - 9m driveways
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Permission is received from SGNP Eco Sensitive Zone Monitoring Committee vide letter No. DESK/1/20/LND/ESZ/3928 OF 2018-19 DT. 01.11.2018
	Category as per schedule of EIA Notification sheet	8(b)
	Court cases pending if any	Bombay High Court. Suit No. 1628 of 2008. The only orders relevant to the proposed are the order dated 19.07.2012 disposing of Appeal Nos. 817 of 2010 and 806 of 2010 in the said Suit; there is no restriction on the development which is being carried on / is to be carried on by the Applicant on the said land.
	Other Relevant Informations	Total project cost is Rs. 945.72 Cr. Out of which Scrutiny fee of Rs. 5,00,000/- for Rs. 454.63 Cr. is already paid for earlier EC received. Now, the cost towards Expansion is Rs. 491.09 Cr. Therefore additional fees of Rs. 7,00,000/- is paid.
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

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

PP informed that, the project under consideration is Residential *project. PP further stated that, t*he total plot area of the project is 57252.10Sq.mt. having total construction area 372064.00 Sq.mt. (FSI - 177067.00sq.mt + NON FSI- 194997.00 sq.mt)

During the meeting, PP could not submit the copy of acknowledgement for plans submitted to local Authority. PP to submit the copy of acknowledgement for plans.

DECISION OF SEAC

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

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

Agenda of 95th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 95 **Meeting Date** April 8, 2019

Subject: Environment Clearance for Proposed Residential Project at C.T.S.NO.827A/4C/1 & 2 AT MALAD -EAST, MUMBAI

Is a Violation Case: No

1.Name of Project	FERANI HOTELS PVT. LTD.
2.Type of institution	Private
3.Name of Project Proponent	Shri. D. D. Bhagwat; FERANI HOTELS PVT. LTD.
4.Name of Consultant	Dr. D. A. Patil; Mahabal Enviro Engineers Pvt. Ltd.
5.Type of project	Residential Project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	C.T.S.NO.827A/4C/1 & 2 AT MALAD -EAST.MUMBAI
9.Taluka	Borivali
10.Village	Malad
Correspondence Name:	Shri. D. D. Bhagwat
Room Number:	623
Floor:	Second Floor
Building Name:	Construction House - B
Road/Street Name:	Linking Road
Locality:	Opposite Khar Telephone Exchange, Khar
City:	Mumbai - 400052
11.Area of the project	Municipal Corporation of Greater Mumbai (MCGM)
12.IOD/IOA/Concession/Plan Approval Number	IOD obtained
	IOD/IOA/Concession/Plan Approval Number: EE/CE/5054 BP/WS/AP DT 17.04.1997; AMENDED PLAN APPROVED DT 26.04.2000
	Approved Built-up Area: 3556.02
13.Note on the initiated work (If applicable)	-
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	19,231.60 m2
16.Deductions	5217.56 m2
17.Net Plot area	14,014.04 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 44,831.62
	b) Non FSI area (sq. m.): 25,064.94
	c) Total BUA area (sq. m.): 69896.56
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 3556.02
	Approved Non FSI area (sq. m.):
	Date of Approval: 26-04-2000
19.Total ground coverage (m2)	6696.31
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	47%
21.Estimated cost of the project	1930000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	1 RESIDENTIAL BUILDING	Basement (pt) + Stilt + 2 Podium+27 Upper Floors	93.75

23.Number of tenants and shops	Flats: 1066 Nos.
24.Number of expected residents / users	5330 Nos.
25.Tenant density per hectare	385
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	The project site is accessible by 36.6 m wide Reservoir Road off General Arun Kumar Vaidya Marg from West side and 18.30 m wide road from North and East side
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)	-

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	-	-	-	-

32.Total Water Requirement

Dry season:	**Source of water**	MCGM
	Fresh water (CMD):	480
	Recycled water - Flushing (CMD):	240
	Recycled water - Gardening (CMD):	18
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	720
	Fire fighting - Underground water tank(CMD):	AS PER NBC
	Fire fighting - Overhead water tank(CMD):	AS PER NBC
	Excess treated water	407
Wet season:	**Source of water**	MCGM
	Fresh water (CMD):	450
	Recycled water - Flushing (CMD):	240
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	720
	Fire fighting - Underground water tank(CMD):	AS PER NBC
	Fire fighting - Overhead water tank(CMD):	AS PER NBC
	Excess treated water	425
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	-	-	-	-	-	-	-	-	-

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	4 - 5 m
	Size and no of RWH tank(s) and Quantity:	1 RWH Tanks with total 60 KL capacity
	Location of the RWH tank(s):	Below Basement
	Quantity of recharge pits:	-
	Size of recharge pits :	-
	Budgetary allocation (Capital cost) :	13.8 Lakh
	Budgetary allocation (O & M cost) :	1.4 Lakh/yr
	Details of UGT tanks if any :	Under Ground Tanks are provided
35.Storm water drainage	**Natural water drainage pattern:**	Towards South Side
	Quantity of storm water:	2090 m3/hr
	Size of SWD:	600 mm wide channel
Sewage and Waste water	**Sewage generation in KLD:**	672
	STP technology:	MBBR
	Capacity of STP (CMD):	1STP of 750 KLD capacity
	Location & area of the STP:	Location: Below Basement
	Budgetary allocation (Capital cost):	150 Lakh
	Budgetary allocation (O & M cost):	30 Lakh/yr
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction debris : 2030 m3
	Disposal of the construction waste debris:	The construction debris will be utilized at site for Road Paving
Waste generation in the operation Phase:	**Dry waste:**	1066 kg/d
	Wet waste:	1599 kg/d
	Hazardous waste:	-
	Biomedical waste (If applicable):	-
	STP Sludge (Dry sludge):	7 KLD
	Others if any:	-

Mode of Disposal of waste:	**Dry waste:**	Dry garbage will be disposed off to authorized recyclers
	Wet waste:	Wet garbage will be composted using Mechanical Composting unit and will be used as organic manure for landscaping.
	Hazardous waste:	-
	Biomedical waste (If applicable):	-
	STP Sludge (Dry sludge):	Sludge use as manure for gardening
	Others if any:	-
Area requirement:	**Location(s):**	Ground Floor
	Area for the storage of waste & other material:	125 m2
	Area for machinery:	56 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	80 Lakh
	O & M cost:	32 Lakh

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	-	-	-	-	-
Amount of effluent generation (CMD):	-				
Capacity of the ETP:	-				
Amount of treated effluent recycled :	-				
Amount of water send to the CETP:	-				
Membership of CETP (if require):	-				
Note on ETP technology to be used	-				
Disposal of the ETP sludge	-				

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	3,622.67 m2
	No of trees to be cut :	-
	Number of trees to be planted :	New Trees to be planted: 150 Nos.
	List of proposed native trees :	As mentioned below
	Timeline for completion of plantation :	Trees will be planted after completeion of construction work

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	AZADIRACHTA INDICA	NEEM	11	Semi-evergreen tree with medicinal value
2	ALBIZIA LEBBECK	SHIRISH	21	Shady tree, yellowish green fragrant flowers
3	ALSTONIA SCHOLARIS	SAPTAPARN	13	Shady, large evergreen Tree, white fragrant flowers
4	BAUHINEA PURPUREA	KANCHAN	9	Shady tree
5	ERYTHRINA INDICA	PANGARA	12	Medium sized deciduous tree. Bright scarlet flowers.
6	CASSIA FISTULA	BAHAVA	7	Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plant
7	PONGAMIA PINNATA / GLABRA	KARANJ	10	Shady Tree
8	MIMOSUPS ELENGII	BAKUL	6	Shady tree, small white fragrant flowers
9	PLUMERIA ALBA	CHAPHA	11	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
10	ANTHOCEPHALLUS CADAMBA	KADAMB	15	Shady, large deciduous tree, fastgrowing graceful tree, ball shaped flowers.
11	MILLINGTONIA HORTENSIS	INDIAN CORK TREE	12	Shady Tree
12	LAGERSTROEMIA FLOS-REGINEAE	TAMHAN	8	State flower tree of Maharashtra Medium sized tree, beautiful purple flowers
13	MILICIA EXCELSA	KHAYA	10	Medium sized decidous tree
14	SYZYGIUM CUMINI	JAMUN	5	Shady tree, white juicy fruit
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	Adani Electricity
	During Construction Phase: (Demand Load)	500 kVA
	DG set as Power back-up during construction phase	500 kVA
	During Operation phase (Connected load):	3.5 MW
	During Operation phase (Demand load):	2.2 MW
	Transformer:	-
	DG set as Power back-up during operation phase:	375 kVA (3 X 125 kVA)
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

- Energy efficient lighting using LED
- Use of high energy efficient pumps for fire fighting, UG tanks and STP
- Solar Street lights are proposed for common areas such as open spaces, pathways, RG etc.
- Solar hot water will be provided

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total energy Saving	>20%

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	25 Lakh
	O & M cost:	1.3 Lakh/yr

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water spray for dust suppression	-	3
2	Site sanitation and potable water supply to labour	-	8

3	Environmental Monitoring	As per the CPCB guidelines through MoEF Approved laboratories – Ambient Air-RSPM, PM2.5, SO2, NOx, CO), Noise: Leq day time and Night Time	4
4	Health check up and first aid	-	4
5	Safety personal protective equipment	(Helmets, Safety Shoes, Safety Belt, Googles, Hand Gloves etc.)	10
6	Traffic Management	(Sign Boards, Persons at entry exit and Parking area)	3
7	Safety Nets	-	20
8	Storm water Management	SWD along plot boundary	3
9	Tyre cleaning and Vehicle maintenance	-	3
10	Safety Training to Workers, Safety Officer	-	7
11	Disinfection	-	2

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP (Tertiary)	Continuous O & M	150	30
2	Solar System	Weekly	25	1.3
3	Rain Water Harvesting	During Rainy season	13.8	1.4
4	Solid waste composting	Continuous O & M	80	32
5	Landscape	Daily	31.3	4.7
6	Environmental Monitoring	As per the CPCB guidelines through MoEF Approved laboratory	-	4

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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
-	-	-	-	-	-	-	-

52.Any Other Information

No Information Available

53.Traffic Management		
	Nos. of the junction to the main road & design of confluence:	-
Parking details:	**Number and area of basement:**	1 part basement with 1376.06 m2 area
	Number and area of podia:	Podium 1 with 5652.08 m2 area ; Podium 2 with 2071.18 m2 area
	Total Parking area:	Gross parking area: 13,375.34 m2
	Area per car:	-
	Area per car:	-
	Number of 2-Wheelers as approved by competent authority:	20 Nos.
	Number of 4-Wheelers as approved by competent authority:	292 Nos.
	Public Transport:	-
	Width of all Internal roads (m):	6m - 9m driveways
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Permission is received from SGNP Eco Sensitive Zone Monitoring Committee vide letter No. DESK/1/20/LND/ESZ/3928 OF 2018-19 DT. 01.11.2018
	Category as per schedule of EIA Notification sheet	8(a)
	Court cases pending if any	Bombay High Court. Suit No. 1628 of 2008. The only orders relevant to the proposed are the order dated 19.07.2012 disposing of Appeal Nos. 817 of 2010 and 806 of 2010 in the said Suit; there is no restriction on the development which is being carried on / is to be carried on by the Applicant on the said land.
	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. Mahabal Enviro Engineers Pvt. Ltd.

PP informed that, the project under consideration is Residential *project. PP further* stated that, the total plot area of the project is 19,231.60Sq.mt. having total construction area 69896.56Sq.mt. (FSI - 44,831.62 sq.mt + NON FSI- 25,064.94 sq.mt)

During the meeting, PP could not submit the copy of acknowledgement for plans submitted to local Authority. PP to submit the copy of acknowledgement for plans.

DECISION OF SEAC

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

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

Agenda of 95th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 95 **Meeting Date** April 8, 2019

Subject: Environment Clearance for "Boomrang" Commercial Development Project at CTS No. 4A & 4B Of Village Saki on Chandivali Farm Road, Chandivali, Mumbai

Is a Violation Case: No

1.Name of Project	"Boomrang"
2.Type of institution	Private
3.Name of Project Proponent	M/s. Kanakia Spaces Realty Pvt. Ltd.
4.Name of Consultant	Project Proponent
5.Type of project	Commercial Development
6.New project/expansion in existing project/modernization/diversification in existing project	Amendment in EC
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	The project has received Environmental Clearance dt 01.08.2007 form MoEF, New Delhi.
8.Location of the project	CTS No. 4A & 4B Of Village Saki on Chandivali Farm Road, Chandivali, Mumbai–400066.
9.Taluka	Kurla
10.Village	Saki
Correspondence Name:	M/s. Kanakia Spaces Realty Pvt.Ltd.
Room Number:	--
Floor:	10th Floor
Building Name:	215 Atrium
Road/Street Name:	Andheri Kurla Road
Locality:	Next to Courtyard Marriott Hotel ,Opp. Divine Child High School, Andheri (East),
City:	Mumbai – 400093
11.Area of the project	Municipal Corporation of Greater Mumbai (M.C.G.M)
12.IOD/IOA/Concession/Plan Approval Number	IOD dt. 04.08.2007, CC dt. 20.10.2007, OC dt. 05/05/2016
	IOD/IOA/Concession/Plan Approval Number: CE/4059/BPES/AL
	Approved Built-up Area: 127255.47
13.Note on the initiated work (If applicable)	Received EC on 01.08.2007 (for Total Plot area 33400.00 Sq.mt. & Total Construction Built-up area of 119451.28 Sq. mt.) for one commercial building with 2 basement + Gr + 7 upper floors; on the basis of conceptual plans as per prevailing practice then. ? Changes in actual construction done on site w.r.t. conceptual plan (on which EC was received) due to the requirement of local planning authority for which we have received approvals from MCGM time to time. ? Construction completed in March, 2016 and full occupation certificate is received on May, 2016 by MCGM. ? The construction built-up area on site is 1,27,255.47 sq. mt. for a building with 2 basement + Gr + 8 upper floors ? Consent to Operate from MPCB is obtained and it is valid upto 31.10.2019. ? We would also like to clarify that the parking lot regulation and amenity designation was not recognized in the year 2007 hence not mentioned in the application submitted/ EC received. The reasons are as follows : ? Plot was under industrial zone and residential user permitted in the plot with the condition of 7.5 % amenity plot to be handed over to the MCGM. ? Subsequently MCGM has designated 7.5 % amenity into parking lot and further parking lot structure under DCR 33/24 as a composite building. ? Entire amenity plot along with the structure as mentioned is handed over to MCGM and mutation entry as owner is appeared in the PR card and the total built-up area constructed for parking lot 13367.0 Sq. mt. is not incorporated in the EC.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	The property was under industrial zone and was converted into residential zone. ? Due to the conversion, 7.5% amenity was proposed to be handed over to the corporation free of cost as per the terms & conditions of I to R. ? Subsequently MCGM had given the development permission for making parking lot on the said amenity plot. ? As per DC regulation 33/24 additional parking plot area was also added built-up area on the same amenity plot with the extended plot area. ? Parking LOI vide letter no. Ch. E./26/S/Rds. & Tr. Dated 11.06.2013 and Ch. E./177/ MC/Rds. & Tr./ E-4 dated 21th November 2014 was received for the built-up area 13367.10 Sq. mt. ? Parking lot built-up area does not considered in this EC since the MCGM is the owner of parking lot plot and building with the separate entry & exit
15.Total Plot Area (sq. m.)	32831.90 Sq. mt.
16.Deductions	3494.02 Sq. mt

17.Net Plot area	29337.88 Sq. mt.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 65968.88
	b) Non FSI area (sq. m.): 61286.59
	c) Total BUA area (sq. m.): 127255.47
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 65968.88
	Approved Non FSI area (sq. m.): 61286.59
	Date of Approval: 05-05-2016
19.Total ground coverage (m2)	10858.00
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	37
21.Estimated cost of the project	4996500000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Commercial Building	Lower Basement + Upper basement + Ground + 8 Floor	34.80
2	Club House	Ground + 1 Floor	7.20

23.Number of tenants and shops	--
24.Number of expected residents / users	9100 Nos.
25.Tenant density per hectare	--
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	18.30 mt. wide Chandivali Farm Road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	10.00 mt.
29.Existing structure (s) if any	One commercial building & Club house is constructed on site.
30.Details of the demolition with disposal (If applicable)	Not Applicable

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	M.C.G.M/ Tanker Water of Potable Quality
	Fresh water (CMD):	Domestic: 218 KLD
	Recycled water - Flushing (CMD):	277 KLD (Flushing: 177 + Cooling tower makeup:100)
	Recycled water - Gardening (CMD):	32 KLD
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	527 KLD
	Fire fighting - Underground water tank(CMD):	200 KL
	Fire fighting - Overhead water tank(CMD):	75 KL
	Excess treated water	45 KLD
Wet season:	**Source of water**	M.C.G.M/ Tanker Water of Potable Quality
	Fresh water (CMD):	Domestic: 218 KLD
	Recycled water - Flushing (CMD):	277 KLD (Flushing: 177 + Cooling tower makeup:100)
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	495 KLD
	Fire fighting - Underground water tank(CMD):	200 KL
	Fire fighting - Overhead water tank(CMD):	75 KL
	Excess treated water	77 KLD
Details of Swimming pool (If any)	Not applicable	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	At depth of 0.75 mt. and 1.00 mt. below ground.
	Size and no of RWH tank(s) and Quantity:	1 RWH tank of 120 KL capacity
	Location of the RWH tank(s):	Basement level
	Quantity of recharge pits:	18 Nos.
	Size of recharge pits :	4.0 mt. x 4.0 mt. x 4.0 mt. Depth. (16 Nos.) and 10 mt. x 1.2 mt. x 2.0 mt. Depth (2 Nos.)
	Budgetary allocation (Capital cost) :	Recharge Pit: Rs. 63.00 Lacs RWH Tank: Rs. 18.00 Lacs
	Budgetary allocation (O & M cost) :	Recharge Pit: Rs. 3.15 Lacs/annum RWH Tank: Rs. 0.90 Lacs/annum
	Details of UGT tanks if any :	Location: Basement level
35.Storm water drainage	**Natural water drainage pattern:**	The storm water collected through the storm water drains of adequate capacity will be discharged in to the municipal SWD.
	Quantity of storm water:	0.72 m3/sec
	Size of SWD:	600mm wide X 600mm depth with slope 1:450
Sewage and Waste water	**Sewage generation in KLD:**	373 KLD
	STP technology:	MBBR (Moving Bed Bio Reactor)
	Capacity of STP (CMD):	1 STP of 430 KL
	Location & area of the STP:	Location: Basement level (Area: 288 Sq. mt.)
	Budgetary allocation (Capital cost):	Rs. 41.00 Lacs
	Budgetary allocation (O & M cost):	Rs. 7.70 Lacs/annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Not Applicable
	Disposal of the construction waste debris:	Construction waste has been partly reused on the site and partly has been disposed to the authorized landfill site.
Waste generation in the operation Phase:	**Dry waste:**	500 Kg/day
	Wet waste:	800 Kg/day
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	56 kg/day
	Others if any:	--

Mode of Disposal of waste:	**Dry waste:**	To MCGM
	Wet waste:	Composting in organic waste convertor
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Use as manure
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	Basement
	Area for the storage of waste & other material:	112 Sq. mt.
	Area for machinery:	12 Sq. mt.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs 12.00 Lacs
	O & M cost:	Rs. 3.35 Lacs/annum

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	--	Mg/l	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	--	GPX: 4 Nos. Kanakia: 3 Nos.	48.83 Mtr.	500 mm	850 0C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel	GPL: 50 KL Kanakia: 2970 Liter (990 Liter for each DG)	Nil	2970 Liter

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

43.Green Belt Development	**Total RG area :**	10604.58 Sq. mt.
	No of trees to be cut :	Trees already cut: 55 Nos.
	Number of trees to be planted :	Trees already planted on site: 661 nos.
	List of proposed native trees :	As shown below
	Timeline for completion of plantation :	Trees already planted on site

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	Saraca asoca	Ashoka	231	Small, erect evergreen tree, with deep green leaves growing in dense clusters. Beautiful foliage and fragrant flowers
2	Grevillea robusta	Silver Oak	197	Shady Flowering Tree
3	Khaya senegalensis	Khaya (Mahagony)	200	Ornamental Tree used in road side Plantation
4	Lagerstroemia speciosa	Tamhan	13	Shady Tree used in roadside plantation
5	Plumeria alba	Chafa	5	Small Flowering Tree
6	Arecaceae Sp.	Palm	15	Large Tree Used in Landscaping
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	TATA Power
	During Construction Phase: (Demand Load)	--
	DG set as Power back-up during construction phase	--
	During Operation phase (Connected load):	16947 kW
	During Operation phase (Demand load):	9500 kW
	Transformer:	GPX: 4 x 2250 kVA Kanakia: 2 x 2500 kVA & 3 x 1500 kVA
	DG set as Power back-up during operation phase:	GPX: 4 Nos. of 2250 KVA each Kanakia: 3 Nos. of 2000 KVA each
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	--

48.Energy saving by non-conventional method:

- Provision of Energy efficient LED
- VFD (Variable speed Drive) for elevators
- Use of high efficiency pumps for Plumbing, Firefighting system

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Overall energy saving	12.6 %

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Sewage	STP of Capacity 430 KL Capacity	--
Wet Waste	OWC	--

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):

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

1	AIR & NOISE ENVIRONMENT - Ambient Air quality & Noise Monitoring	By outside MoEF & CC Approved Laboratory	*No set up cost is involved	0.22
2	AIR & NOISE ENVIRONMENT - Cost for DG Stack Exhaust Monitoring	07 no. of stack	*No set up cost is involved	0.34
3	AIR & NOISE ENVIRONMENT - Cost for Plantation	RG area	58.33	1.20
4	WATER ENVIRONMENT - Waste water treatment	Cost for sewage Treatment Plant	41.00	7.70
5	WATER ENVIRONMENT - Cost for waste water Monitoring	By outside MoEF & CC Approved Laboratory	*No set up cost is involved	0.03
6	WATER ENVIRONMENT - Water Conservation (Rain Water Harvesting System)	Cost For RWH Pit	63.00	3.15
7	WATER ENVIRONMENT - Water Conservation (Rain Water Harvesting System)	Cost for RWH tank	18.00	0.90
8	LAND ENVIRONMENT - Solid Waste Management	Cost for Treatment of biodegradable garbage in OWC	12.00	3.35
9	LAND ENVIRONMENT - Solid Waste Management	Environmental Monitoring	*No set up cost is involved	0.08
10	DMP	--	3.74 Cr	0.19

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:	Site is well connected to Chandivali farm road

Parking details:	**Number and area of basement:**	2 Basements (Area: 37534.00 Sq. mt.)
	Number and area of podia:	Not Applicable
	Total Parking area:	32296.69 Sq. mt.
	Area per car:	--
	Area per car:	--
	Number of 2-Wheelers as approved by competent authority:	--
	Number of 4-Wheelers as approved by competent authority:	682 Nos.
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	6.0 mt.
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	8 (a) B2
	Court cases pending if any	Not Applicable
	Other Relevant Informations	--
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

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

The project was previously considered in 90th SEAC II meeting held on 27th February 2019 & was deferred as PP requested time to submit his say on the proposal.
Compliance/Representation submitted by the PP vide letter dated 5th April 2019 was taken on record

PP stated that, the application is for amendment in EC. PP further stated that, they have received Environmental Clearance from MoEF vide letter dated 1/8/2007 for total built up area 1,19,451.28 Sq.mt which is the FSI area & Non-FSI was not mentioned as per then prevalent practice. PP further stated that, as per circular issued by MoEF in 2008 EC has to be accorded after submission of approved plans, but they have received the EC on Conceptual plans itself.

Committee noted that, the architect certificate submitted by the PP .It is noted that, the total built up area of the project is 1,26,895.28 Sq.mt which includes the FSI area 1,19,451.28 Sq.mt as mentioned in the accorded EC & Non FSI area 7,444 Sq.mt not mentioned in EC as per then prevailing practice. Committee also noted that, the TBUA 1,27,255.47 Sq.mt constructed at site as per approval from local planning authority with marginal increase by 360.19Sq.mt i.e only 0.28% of total built up area approved in EC.

Committee noted that, as per copy of layout submitted to the MoEF while seeking EC & layout submitted to the local planning authority, the shape & profile of the building appears to be same. i.e 2B+G+ upper 8th Floor. Only ground coverage is exceeding to 0.28% due to replacement of substation from basement to ground floor as per condition of local planning authority and other environmental parameters remains the same.

Committee also noted that, the PP has already received approvals including OC from local planning authority from time to time since 2012. Considering total built up area for granted EC, there is marginal increase, and therefore there is hardly any change in environmental parameters. Committee also considered the letter issued by then SEIAA dated June 2014 regarding amendment upto 10%.The project under consideration is amendment in EC of only 0.28% and therefore fit for amendment in EC.

DECISION OF SEAC

Committee after deliberation recommended to SEIAA for amendment in EC.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

Agenda of 95th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 95 **Meeting Date** April 8, 2019

Subject: Environment Clearance for "Expansion of Residential, Retail, IT & Commercial project" on Plot bearing C.T.S. Nos. 117A, 117A/1, 117B& 117 C., village Tungwa, Saki Vihar Road, Gate No. 5, Powai East, Mumbai – 400 072 By M/s. Larsen & Toubro Realty Ltd.

Is a Violation Case: No

1.Name of Project	"Expansion of Residential, Retail, IT & Commercial project" By M/s. Larsen & Toubro Realty Ltd.
2.Type of institution	TOR
3.Name of Project Proponent	M/s. Larsen & Toubro Realty Ltd.
4.Name of Consultant	M/s. Enviro Analysts and Engineers Private Limited.
5.Type of project	Residential, Retail, IT & Commercial 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. Previous EC dated on 17th September 2018 (SEIAA-EC-0000000419)
8.Location of the project	CTS. Nos. 117A, 117A/1, & 117B & 117C Village Tungwa, Saki Vihar Road, Powai, Mumbai – 400 072
9.Taluka	Kurla
10.Village	Tungwa
Correspondence Name:	Mr. Anand Rane
Room Number:	.
Floor:	Ground Floor,
Building Name:	Tower -A, TC-II,
Road/Street Name:	Saki Vihar Road
Locality:	Powai East,
City:	Mumbai
11.Area of the project	Municipal Corporation of Greater Mumbai (MCGM)
12.IOD/IOA/Concession/Plan Approval Number	IT buildings TC 1 – CE/3990/BPES/AL TC 2 – CE / 4186/BPES/AL TC 3 – CE/ 4334/BPES/AL TC 4 – CE/ 4408/BPES/AL Residential Buildings T1 – CE/4406/BPES/AL T2-T16 – CE/ 4407/BPES/AL Medical Centre CHE/ES/2006/L/337 (New)
	IOD/IOA/Concession/Plan Approval Number: IT buildings TC 1 – CE/3990/BPES/AL TC 2 – CE / 4186/BPES/AL TC 3 – CE/ 4334/BPES/AL TC 4 – CE/ 4408/BPES/AL Residential Buildings T1 – CE/4406/BPES/AL T2-T16 – CE/ 4407/BPES/AL Medical Centre CHE/ES/2006/L/337 (New)
	Approved Built-up Area: 329199.58
13.Note on the initiated work (If applicable)	Work under progress
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	OC received for TC3, TC4, residential building T1 - T8, Health and welfare center
15.Total Plot Area (sq. m.)	1,46,679.50 Sq.m.
16.Deductions	25,949.39 Sq.m
17.Net Plot area	120730.11 sq.m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 3,61,023.79 Sq.m (Includes TC I, TC II ,TCIII,TCIV,TCV,RESI, Health Welfare Centre & Distribution Sub-Station)
	b) Non FSI area (sq. m.): 3,70,729.58 Sq.m (Includes TC I, TC II ,TCIII,TCIV,TCV,RESI, Health Welfare Centre & Distribution Sub-Station)
	c) Total BUA area (sq. m.): 731753.37
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 329199.58
	Approved Non FSI area (sq. m.): 3,15,335.44
	Date of Approval: 19-04-2018
19.Total ground coverage (m2)	73,678.97 Sq.m

20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	50%
21.Estimated cost of the project	9490000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Residential Tower no.1-OC received	2 podiums/ part basement + Stilt + 18Upper Floors + Part 19th Floor	77.65
2	Residential Tower no.2 -OC received	3 podiums/ part basement + Stilt + 24 Upper Floors	84.45
3	Residential Tower no.3 -OC received	3 podiums/ part basement + Stilt + 24 Upper Floors	84.45
4	Residential Tower No.4 -OC received	3 podiums/ part basement + Stilt + 24 Upper Floors	84.45
5	Residential Tower no.5-OC received	3 podiums/ part basement + Stilt + 24 Upper Floors	84.45
6	Residential Tower no.6 -OC received	3 podiums/ part basement + Stilt + 24 Upper Floors	84.15
7	Residential Tower no.7 -OC received	3 podiums/ part basement + Stilt + 25 Upper Floors	87.55
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9	Residential Tower no.9,10	2B+G+3 podiums + Stilt + 26 Upper Floors	95.40
10	Residential Tower no. 11	2B+G+3 podiums+ Stilt + 26 Upper Floors	95.40
11	Residential Tower no. 12	2B+G+3 podiums + Stilt + 26 Upper Floors	95.40
12	Residential Tower no. 13	3B+G+2 podiums+ Stilt + 26 Upper Floors	95.70
13	Residential Tower no. 14	3B+G+2 podiums + Stilt + 26 Upper Floors	95.70
14	Residential Tower no. 15	2B+G+2 podiums+ Stilt + 26 Upper Floors	95.70
15	Residential Tower no. 16	1B+G+2 podiums + Stilt + 26 Upper Floors	95.70
16	TC-III	OC received	37.95
17	TC IV	OC received	53.98
18	TC V	3B+G+22Upper Floors	92.30
19	Health and Welfare center-OC received	Ground + 6 upper floors	28.20

23.Number of tenants and shops	2295 Nos of residential units & IT offices +Health & welfare centre
24.Number of expected residents / users	Residential : 11475 Nos. Commercial : 4414 (TC 3 & 4) + 2970 (TCV) Nos Health and Welfare Centre -100 No's(fixed),530 Nos(floating)
25.Tenant density per hectare	267 Nos / hector (on residential plot area)
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 m wide JVLR road & 27.50 m wide Saki Vihar road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	>7.5 m
29.Existing structure (s) if any	Construction as per EC
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	MCGM / Recycled water
	Fresh water (CMD):	1265
	Recycled water - Flushing (CMD):	699
	Recycled water - Gardening (CMD):	210
	Swimming pool make up (Cum):	15
	Total Water Requirement (CMD) :	2174
	Fire fighting - Underground water tank(CMD):	2300 cum
	Fire fighting - Overhead water tank(CMD):	50 cum for each wing
	Excess treated water	0

Wet season:	**Source of water**	MCGM / Recycled water/RWH tanks
	Fresh water (CMD):	1265
	Recycled water - Flushing (CMD):	699
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	15
	Total Water Requirement (CMD) :	1964
	Fire fighting - Underground water tank(CMD):	2300 cum
	Fire fighting - Overhead water tank(CMD):	50 cum for each wing
	Excess treated water	210
Details of Swimming pool (If any)	SP-1: 21.2 x 8 m SP-2- 22.5 x 12.5 m SP-3- 25.5 x 16.5m	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	3.5m to 17.0m
	Size and no of RWH tank(s) and Quantity:	RHW Tank for Tower T9 to T16= 2*160cum , RHW for Tower T1 = 30 cum, RHW for Tower T2 to T8 = 1* 116 cum , RHW for TC-III = 25 cum , RHW for Tower TCIV=52 cum. Nos. RHW for Tower TCV=62 cum
	Location of the RWH tank(s):	For T9 to T16 - 21.0M.LVL. & 24.13 M.LVL For T1 - 31.4M LVL. For T2 to T8 - 24.3M.LVL. For TCIII- 13.5 M LVL. For TCIV- 22.95M.LVL. For TC V- 21.00 M LVL.
	Quantity of recharge pits:	T9-T16 – 2 Nos. T2-T8 – 2 No. Health and Welfare Center- 1 No. TC-IV – 1 No.
	Size of recharge pits :	3m x 3m x 3m and 4m x 4m x 2m
	Budgetary allocation (Capital cost) :	Rs. 50.00 lakhs
	Budgetary allocation (O & M cost) :	Rs.5.00 lakhs/yr
	Details of UGT tanks if any :	For T9 to T16 – Basement 2 Health and Welfare center- Ground For TC III - Basement 4 For TC IV- Basement For T1- Basement 2 For T2-T8-Podium level 1 For TC V- Basement 1 and 2

35.Storm water drainage	**Natural water drainage pattern:**	Total storm water runoff to the Municipality storm water network on the roads
	Quantity of storm water:	Total storm water runoff to the Municipality storm water network-1.92cum/sec For T1-T8- 0.69 Cum/Sec For T9 to T16 = 0.72 Cum/Sec For Health and Welfare center= 0.052Cum/Sec For TC IV = 0.059 Cum/Sec For TC-V – 0.406 Cum/Sec
	Size of SWD:	600 mm wide storm water drain Slope: 1:300
Sewage and Waste water	**Sewage generation in KLD:**	1795 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	T1 & T2 - 100KLD, T3, T4 & T5 - 260KLD T6, T7 & T8 - 170KLD T9, T10,T11-325 KLD, T12,T13: 235 KLD T14,T15,T16: 395 KLD TC-III:-60KLD TC-IV:-80KLD Total: 60+80 :140 KLD Health and Welfare Center :30 KLD TC V- 140 KLD
	Location & area of the STP:	T1 & T2 - Part Podium & Basement-2, Area – 125 Sq.M. T3, T4 & T5 – Podium 1, Area – 399 Sq.M. T6, T7 & T8 - Podium 1, Area – 184 Sq.M. T9, T10,T11–Party on Basement & Ground, Area-345 Sq.M. T12,T13: On Ground , Area – 239 Sq.M. T14,T15,T16: On Ground , Area – 395 Sq.M. TC-III:-Basement 4, Area – 80 Sq.M. TC-IV:- Basement 3, Area – 132 Sq.M. Health and Welfare Center :On Ground, Area – 90 Sq.M. TC V-Basement 1 &2, Area – 260 Sq.M.
	Budgetary allocation (Capital cost):	Rs.275.00 lakhs
	Budgetary allocation (O & M cost):	Rs 27.50 lakhs/yr.

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Waste generation in the Pre-Construction and Construction phase Pre-construction Phase: Waste generated during construction will be reused as per the requirement and rest will be send to recyclers and scrap dealers for final disposal. Quantity of the top soil to be preserved:
	Disposal of the construction waste debris:	Waste generated during construction will be reused as per the requirement and rest will be send to recyclers and scrap dealers for final disposal.
Waste generation in the operation Phase:	**Dry waste:**	2754 kg/day
	Wet waste:	3479 kg/day
	Hazardous waste:	Negligible
	Biomedical waste (If applicable):	110 - 135 Kg/month
	STP Sludge (Dry sludge):	150 kg
	Others if any:	E-waste will be handed over to MPCB authorized dealers

Mode of Disposal of waste:	**Dry waste:**	Collected by recyclers
	Wet waste:	Utilized as manure through Organic Waste composting machine
	Hazardous waste:	Shall be disposed as norms
	Biomedical waste (If applicable):	Will be segregated as per Biomedical Waste Management and Handling Rule 1998 (amended in 2016)and handed over to Common Bio-medical Waste Treatment Facilities.
	STP Sludge (Dry sludge):	Used as a manure
	Others if any:	E waste generated will be managed as per E Waste Management Rules, 2016. It will be handed over to authorized vendor.
Area requirement:	**Location(s):**	Below ramp
	Area for the storage of waste & other material:	1 tonne capacity of OWC for T1-T8 building Area-220 Sq.m, 2 tonne capacity of OWC for T9-T16 Area-177 Sq.m, 120 Kg capacity for TC-IV Area-40 Sq.m ,190 Kg capacity for TC-V Area-55 Sq.m
	Area for machinery:	Area included as above
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 58.30 Lakhs
	O & M cost:	Rs.8.80 Lakhs/yr.

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

42.Mode of Transportation of fuel to site	Not applicable

43.Green Belt Development	**Total RG area :**	40,564.40 sqm
	No of trees to be cut :	As per tree NOC Existing:148 no's Tree to be cut – 30 Tree to be transplant – 83 Trees to retained – 35 New plantation - 304
	Number of trees to be planted :	304 No's.
	List of proposed native trees :	As enclosed
	Timeline for completion of plantation :	Till completion of all phases

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Cassia Fistula	Golden Rain Tree	30	Ornamental tree
2	Azadirachcta Indica	Neem	8	Noise reduction dust and smoke
3	Madhuca Indica	Mahua	23	Noise reduction, dust and smoke
4	Michellia Champaca	Champak	20	Shade givers, scented flowers
5	Tabebuia Rosea	Pink Trumpet Tree	20	Ornamental tree
6	Spathodea Campanuluta	African Tulip Tree	26	Ornamental tree
7	Melia Azadirachcta	China Berry Tree	9	Noise reduction dust and smoke
8	Mesua Ferrea	Cobra Saffron	18	Medicinal use
9	Dispyros Malabarica	Malabar Ebony	24	Medicinal use
10	Anthocephalus Kadamba	Kadam	7	Dust and smoke Noise reduction
11	Terminalia Arjuna	Arjun Tree	20	Noise Reduction, Dust and Smoke
12	Tamarindus Indica	Tamarind	9	Medicinal use
13	Peltoforum Ferrogineum	Copper Pod	22	Shade and ornamental value
14	Areca Catechu	Palm	68	Medicinal use
45.Total quantity of plants on ground				

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

Serial Number	Name	C/C Distance	Area m2
1	Acalypha rosea	300	3.3
2	Agave americana	500	48.2
3	Allamanda schottii Nana	300	12.4
4	Alpinia purpurata	400	55.1
5	Alpinia zerumbet	400	31.8
6	Asplenium nidus	400	37.2
7	Bambusa vulgaris	1000	66.2
8	Barleria cristata Rosea	400	60.2
9	Breynia nivosa Nana	300	94.2
10	Crinum lily	300	44.6
11	Costus woodsonii	300	22.6

12	Cyperus alternifolius	400	20.2
13	Dracaena mahatma	500	28.7
14	Galphimia glauca	400	40.2
15	Gardenia jasminoides	400	139.7
16	Gardenia jasminoides Veitchii	300	61.7
17	Heliconia psittacorum 'Fire Flash'	400	36.5
18	Ixora duffi Red	400	11.2
19	Ixora lutea	400	13.7
20	Jasminum multiflorum	300	57.5
21	Lemonia spectabilis Variegata	300	60.6
22	Lantana camara 'Hybrida'	300	184.3
23	Murraya exotica	400	46.4
24	Nerium oleander 'Pink'	500	79.1
25	Pachystachys lutea	300	69.3
26	Phyllanthus myrtifolius	200	184.6
27	Plumbago ovata	300	10.6
28	Ruellia brittoniana	300	83.6
29	Russellia equisetiformis	300	20.33
30	Sansevieria trifasciata	300	49.7
31	Schefflera arboricola 'Green'	300	3.7
32	Spathiphyllum cupido	300	13.6
33	Syzygium campanulatum	400	20.4
34	Tabernaemontana divaricata 'Dwarf'	300	83.7
35	Tecomaria capensis	400	85.8
36	Tecoma gaudi-chaudi	500	67.3
37	Acorus calamus	300	31.9
38	Adhatoda vasica	400	30.9
39	Aloe vera	400	30
40	Coleus aromaticus	200	59.1
41	Cymbopogon floxosus	400	47
42	Ocimum basilicum	400	45.9
43	Ocimum sanctum	400	34.8
44	Pandanus amaryllifolius	300	60.3
45	Piper betle	200	23
46	Piper nigrum	200	28.5

47.Energy

Power requirement:	**Source of power supply :**	Tata power
	During Construction Phase: (Demand Load)	300KW
	DG set as Power back-up during construction phase	--
	During Operation phase (Connected load):	59997 kW
	During Operation phase (Demand load):	31897 kW
	Transformer:	Transformer Shall be Supplied by TATA Power
	DG set as Power back-up during operation phase:	T1 – 1 # 750KVA T2-T8: 3 # 750KVA T9 – T16: 2 # 750KVA TC – IV: 1 # 1500KVA TC – III: 2 # 500KVA, 1 # 150KVA Health and Welfare Center: 1 # 750KVA TC V: 2# 1500KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

1. Use of LED light fixtures in Lift Lobbies, common area and parking
2. Exterior lighting to be controlled by timer
3. VFD for lifts
4. Energy efficient motors for Pumps and fans
5. Ventilation fans controlled through CO sensors
6. VFD for podium / basement ventilation fans

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	As Per ECBC Code Requirements % Savings Considering on Total Common Area Load	19%
2	% Energy Savings due to Solar PV on Terrace on Total Common area Load	5%
3	Total Energy saving in % on Common Area Load	24%

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 180.40lakhs
	O & M cost:	Rs.18.04 lakhs/yr.

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

1	Air Environment	Water Sprinkling, Green Belt Development, Covered storage area	16
2	Noise Environment	Noise Barricades and Green Belt Developments	8
3	Water Environment	Septic tank soak pits, Drainage with sedimentation tanks	8
4	Good Health Practices	Site Sanitation & Health Care	5
5	Environment Monitoring	Air,water,noise soil monitoring during construction phase	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	Water Environment	Rain water harvesting	50.00	5.00
2	Land Environment	MSW	58.30	8.80
3	Water Environment	STP	275.00	27.50
4	Land Environment	Landscaping	162.00	24.00
5	Energy Saving	Energy System including Solar PV on terrace	180.00	18.00

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Saki Vihar Road and JVLR

Parking details:	**Number and area of basement:**	Number of Parking - 1981 Area for basement parking = 1,33,363.39 Sq.m
	Number and area of podia:	Number of Parking - 3822 Area for Podium parking-1,21,666.26 Sq.m.
	Total Parking area:	2,55,029.65 sq.m
	Area per car:	32 Sq.m/car in basement, 30 Sq.m/car in podium
	Area per car:	32 Sq.m/car in basement, 30 Sq.m/car in podium
	Number of 2-Wheelers as approved by competent authority:	880@ 25% of Mandatory Car Parking Residential
	Number of 4-Wheelers as approved by competent authority:	5803 nos
	Public Transport:	Not Applicable. However BEST Bus Stops, Central Railway Line (Kanjur Marg Station) are in the 2 Km area vicinity
	Width of all Internal roads (m):	Min 9 m wide drive ways
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA. Out of SGNP boundary and buffer area as per ESZ notification dated 5th Dec, 2016
	Category as per schedule of EIA Notification sheet	8 (b) B1
	Court cases pending if any	NA
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

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

PP informed that, the project under consideration is *proposed Residential, Retail, IT & Commercial project. PP further stated that,* the total plot area of the project is 1,46,679.50 Sq.mt. having total construction area area 731753.37Sq.mt. (FSI - 3,61,023.79 Sq.mt. + NON FSI- 3,70,729.58 Sq.mt.) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Residential Tower no.1-OC received	2 podiums/ part basement + Stilt + 18Upper Floors + Part 19th Floor	77.65
Residential Tower no.2 -OC received	3 podiums/ part basement + Stilt + 24 Upper Floors	84.45
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TC IV	OC received	53.98
TC V	3B+G+22Upper Floors	92.30
Health and Welfare center-OC received	Ground + 6 upper floors	28.20

Project has received Environmental clearance vide letter dated 17th September 2018 for the total Built Up area of 6,04,272.17 Sq.mts .Total 16 no's of residential building(T1-T16), one Health and Welfare Center and 2 IT buildings(TCIII, TC-IV). PP further stated that, out of the total 16 residential buildings, 8 residential buildings(T1-T8),2 IT buildings and One health and Welfare center have already received OC and construction is in progress for residential building no 9,10,15,16

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

Committee approved the ToR with following observations & additions, which is valid upto 8/4/2022. EIA will be apprised as & when submitted. Meanwhile PP should comply following points.

Specific Conditions by SEAC:

1) PP to submit Post Monitoring Report from Ro, Nagpur, MoEF
2) PP to submit the earlier approved layout plan to verify what was proposed earlier on place of proposed building T5.
3) PP to submit the copy of concession.
4) PP to submit the revised dated Architect certificate addressed to committee regarding building-wise construction (Configuration, FSI, Non-FSI, TBUA) done on site as per earlier EC.
5) It is noted that, the population proposed is 4 times more than current average/ha population of Mumbai. PP to submit the socioeconomic study & justify how education, health & other daily needs of increased population is going to meet.
6) PP to submit the sewerage network, water supply, storm water drain NOC from local planning authority.
7) PP to submit the traffic analysis based on ground scenario.
8) PP to submit & upload wind analysis, shadow analysis, traffic analysis, light and ventilation analysis and measures to reduce heat island effect.
9) PP to ensure that, the fire tender movement should be from all around the building.
10) PP to provide STPs on ground.
11) PP to ensure that there will be maximum reuse of treated waste water.
12) PP to ensure that RG required is as per the norms and should be on Mother Earth.
13) 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 got approved from collector/ local body or Environment Department.
14) 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.