State Expert Appraisal Committee (SEAC-2)

SEAC Meeting number: 58 (Day - 2) **Meeting Date** April 6, 2018

Subject: Environment Clearance for Implementation of Slum Rehabilitation Scheme (SRA) and construction of Residential Buildings.

Is a Violation Case: No

1.Name of Project	Proposed Slum Rehabilitation Scheme under/Section 33(10) at C.T.S. no. 408(pt), 408/1 to 3, 412(pt), 412/2 to 10, 412/18, 412/20 to 54 of Village Kanjur, Harijan Colony, Walmik Nagar, Tank Road, Bhandup (West), Mumbai- 400078.
2.Type of institution	Private
3.Name of Project Proponent	M/s Swaroop Constructions Pvt. Ltd.
4.Name of Consultant	AQURA Enviro Projects Pvt. Ltd.
5.Type of project	Slum Rehabilitation Scheme Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	New project (Edited)
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	C.T.S. no. 408(pt), 408/1 to 3, 412(pt), 412/2 to 10, 412/18, 412/20 to 54
9.Taluka	Kurla
10.Village	Kanjur
Correspondence Name:	Mr. Vishal Agarwal
Room Number:	7/A
Floor:	-
Building Name:	Rajniketan Building
Road/Street Name:	S.V. Road
Locality:	Opp. Mahindra Garden Building
City:	Goregaon(w)
11.Area of the project	Municipal Corporation of Greater Mumbai (MCGM)
12.IOD/IOA/Concession/Plan Approval Number	Revised LOI u/no. SRA/ENG/1624/S/ML/LOI dated 03.12.2016 as per Regulation 33(10) of DCR 1991
	IOD/IOA/Concession/Plan Approval Number: Layout Approval: S/MCGM/0001/20060907/LAY dated 07.04.2018 SRA/ENG/1624/S/ML/LOI Dated 3 DEC 2016 IOA Bldg No. 1: SRA/ENG/2521/S/ML/AP Dated 19.12.2016 IOA Sale Bldg No. 2: SRA/ENG/3895/S/ML/AP Dated 25.09.2017
	Approved Built-up Area: 22941
13.Note on the initiated work (If applicable)	Bldg 1: Wing A, B & D = 11419 sq.mt. Wing E = 1306 sq.mt. Total construction done on site = 12725 sq.mt
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	SRA/ENG/1624/S/ML/LOI Dated 3 DEC 2016
15.Total Plot Area (sq. m.)	7647.00 sq. m
16.Deductions	990 sq.mt. (D.P. Road) 407.45 sq.mt. (MAP) 1397.45 Sq. Mt.
17.Net Plot area	6249.55 SQ.MT.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 27757.92 sq.mt. (FSI 3+Fungible)
	b) Non FSI area (sq. m.): 18613.42 sq.mt.
	c) Total BUA area (sq. m.): 46371.34
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 27757.92 sq.mt
	Approved Non FSI area (sq. m.): 18613.42 sq.mt.
	Date of Approval: 07-04-2018
19.Total ground coverage (m2)	2744.44
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	36%

21.Estimated cost of the project	1300000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Rehab Building no. 1 Wing A	Stilt +19th floor	59.45
2	Rehab Building no. 1 Wing B	Stilt +19th floor	59.45
3	Rehab Building no. 1 Wing C	Ground (Shops) +15th floor	47.85
4	Rehab School Building Wing D	Ground + 4th floor	59.45
5	Sale Building No. 1 Wing E	Stilt +22nd floor	69.90
6	Sale Building 2 Wing A	Stilt +22nd floor	69.40
7	Sale Building 2 Wing B	Stilt +22nd floor	69.40
8	Sale Building 3 Wing A	Stilt +22nd floor	69.40
9	Sale Building 3 Wing B	Stilt +22nd floor	69.40

23.Number of tenants and shops	Wing A, B = 196 flats Wing C = 111 flats Total Rehab Flats = 307 flats Sale-1=Wing E = 82 flats Sale 2= 162 flats Sale 3 – A & B wing = 158 flats Total Sale Flats = 402 flats Total Flats (Rehab & Sale) = 709 Rehab Wing C = 8 (Rehab) + 11 (Sale) = 19 shops Sale 2 = 14 shops Sale 3 = 15 shops Total shops = 48 shops Classrooms – 14
24.Number of expected residents / users	4279
25.Tenant density per hectare	927 T/H
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	13.40 m wide existing tank road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Min. 6 m
29.Existing structure (s) if any	Slums
30.Details of the demolition with disposal (If applicable)	Existing structures are partly demolished.

31.Production Details

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

32.Total Water Requirement

Dry season:	Source of water	MCGM
	Fresh water (CMD):	338
	Recycled water - Flushing (CMD):	173
	Recycled water - Gardening (CMD):	5
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	512
	Fire fighting - Underground water tank(CMD):	700
	Fire fighting - Overhead water tank(CMD):	200
	Excess treated water	216
Wet season:	Source of water	MCGM
	Fresh water (CMD):	286
	Recycled water - Flushing (CMD):	173
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	
	Total Water Requirement (CMD) :	512
	Fire fighting - Underground water tank(CMD):	700
	Fire fighting - Overhead water tank(CMD):	200
	Excess treated water	221
Details of Swimming pool (If any)	Not applicable	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	2.5 to 3.0 m below ground level
	Size and no of RWH tank(s) and Quantity:	3 RWH tanks of 50, 22 & 32 CUM capacity
	Location of the RWH tank(s):	Below ground
	Quantity of recharge pits:	Not applicable
	Size of recharge pits :	Not applicable
	Budgetary allocation (Capital cost) :	18 Lakh
	Budgetary allocation (O & M cost) :	2 Lakh/year
	Details of UGT tanks if any :	Domestic tanks - 5 Nos of tanks having total capacity of 89 + 40 + 76 + 75 + 73 = 353 CMD Flushing tanks - 5 Nos of tanks having total capacity of 44 + 23 + 20 + 40 + 38 + 37 = 202 CMD Firefighting tanks - 3 Nos of tanks having total capacity of 302 + 200 + 200 = 700 CMD Rain Water Harvesting Tanks - 3 Nos of tanks having total capacity of 50 + 32 + 22 = 104 CUM
35.Storm water drainage	**Natural water drainage pattern:**	The run-off rainwater from roof of each building will be drained out effectively by providing sufficient no. of rainwater outlets / khurras and heavy duty / gauge PVC down take pipes designed to handle the intensity / flow of rainwater. These rain water pipes are located in the toilet shaft and along the periphery of the building. These pipes are routed with necessary slope and dropped vertically down to GL. The rain water pipes finally will be conveyed to the rain water harvesting tank at groun
	Quantity of storm water:	0.161 cum/sec
	Size of SWD:	450 mm wide
Sewage and Waste water	**Sewage generation in KLD:**	452 KLD
	STP technology:	Moving Bed Bioreactor (MBBR) Technology
	Capacity of STP (CMD):	3 STPs - REHAB BUILDING Wing - A, B, C & School Wing D = 212 KLD, SALE BUILDING 1& 2 = 147 KLD, SALE BUILDING 3 WING A& B = 97 KLD
	Location & area of the STP:	Below Ground: REHAB BUILDING Wing - A, B, C & School Wing D = 115 Sq. M., SALE BUILDING 1 & 2 = 110 Sq. M., SALE BUILDING 3 WING A & B = 80 Sq. M.
	Budgetary allocation (Capital cost):	140 Lakh
	Budgetary allocation (O & M cost):	12 Lakh/year

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction Debris
	Disposal of the construction waste debris:	Disposal of construction waste will be as per “Construction and Demolition and De-silting Waste” (Management and Disposal) Rules 2006 at the designated site as directed by the MCGM.

Waste generation in the operation Phase:	**Dry waste:**	1011 Kg/day
	Wet waste:	674 Kg/day
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Approximately 22.7 kg/day.
	Others if any:	Not Applicable
Mode of Disposal of waste:	**Dry waste:**	Dry waste would be further segregated into recyclable and non-recyclable. Recyclable will be handed over to authorize vendors and non recyclable will be disposed off at MCGM landfill sites
	Wet waste:	Wet Garbage will be treated in Mechanical Composting Unit 'Organic Waste Convertor' (OWC) and the compost generated would be used as manure for gardening purpose and excess would be sold to authorize vendors.
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Dry sludge would be used as manure for gardening purpose and excess would be sold to authorize vendors.
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	Ground Floor
	Area for the storage of waste & other material:	50 Sq. m
	Area for machinery:	10 Sq. m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	22 Lakh
	O & M cost:	4 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 :**	614 Sq. m
	No of trees to be cut :	2
	Number of trees to be planted :	86
	List of proposed native trees :	Adina cordifolia, Areca catechu, Lagerstroemia flosregineae, Michelia champaca, Polyalthia longifolia, Nyctanthus arboria, Putranjiva roxborbhi, Alstonia scholoris, Azadirachta indica
	Timeline for completion of plantation :	After completion of construction work

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Adina cordifolia	Kadamb	10	Shady, large tree, ball shaped flowers.
2	Areca catechu	Supari	10	Medium sized evergreen tree
3	Lagerstroemia flosregineae	Tamhan	10	State flower tree of Maharashtra Medium sized tree, beautiful purple flowers
4	Michelia champaca	Sonchapha	10	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
5	Polyalthia longifolia	Ashok	10	Shady tree with red-yellow flowers.
6	Nyctanthus arboria	Parijatak	10	Small deciduous fast growing tree, beautiful flowrers.
7	Putranjiva roxborbhi	Putranjiva	10	Medium sized evergreen tree
8	Alstonia scholoris	Saptaparni	10	Shady, large evergreen Tree, white fragrant flowers
9	Azadirachta indica	Neem	6	Semi-evergreen tree with medicinal value
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	Maharashtra state Electricity Board (M.S.E.B.)
	During Construction Phase: (Demand Load)	200 KW
	DG set as Power back-up during construction phase	Not Applicable
	During Operation phase (Connected load):	8916.01KW
	During Operation phase (Demand load):	3837.29 KW
	Transformer:	Not Applicable
	DG set as Power back-up during operation phase:	Rehab Bldg.- 2 No of 320 KVA, Sale Bldg.- 1 No of 380 KVA
	Fuel used:	LSD/HSD
	Details of high tension line passing through the plot if any:	Not Applicable

48.Energy saving by non-conventional method:

To achieve the energy saving by non conventional methods following measures are taken
1) 100% of External Lighting on Solar PV Panels and rest lighting with timer controlled Operation for reducing amount of energy
2) All lifts are with VFD drives.
3) All water pump motors will be used High Efficiency motors with High low level sensors.
4) Using Energy Saving LED Lights for school building.(ie classrooms, staff office etc)
5) 50% of common area Lighting (Except staircase) on Solar PV Panels
6) 100% of Staircase Lighting on Solar PV Panels
7) Hot water system for flats on solar.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Overall Saving for the Project	6.9%
2	Total Load put on Solar against Normal Load	4.5%
3	Total Load put on Solar against Normal Load (Only Lighting Load on Solar)	1.0%
4	Total Load put on Energy saving equipment's Against Normal Load	2.4%
5	Total units saved based on Unit Consumption (KW)	266.39
6	Total Units saved per day - (kwh/Day)	2317.00
7	Total Units saved annualy - (kwh/Yr)	845573

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:**	57 Lakh
	O & M cost:	0.55 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	Drinking water	Water Environment	1.0
2	Sanitation	Environment health and Safety	2.0
3	Health check up	Environment health and Safety	1.0
4	Water for Dust suppression	Air Environment	1.0

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 & Sewerage network	3 Nos of STPS with total 453 KLD capacity	140	12
2	RWH System	3 RWH tanks of 50, 22 & 32 CUM capacity	18	2
3	Environmental Monitoring	6 monthly Water, Noise , Air quality analysis	-	5.0
4	Solid Waste Management	Organic Waste converter	22	4
5	Solar System (Solar Installation)	solar PV panels & Solar Water Heater	95 (Hot Water)	2
6	Landscaping	plantation and maintenance of trees	20	2

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	None

Parking details:	**Number and area of basement:**	Not Applicable
	Number and area of podia:	Not Applicable
	Total Parking area:	3262 Sq. Mt.
	Area per car:	14 Sq. M (single car parking , stack parking as well as mechanical parking)
	Area per car:	14 Sq. M (single car parking , stack parking as well as mechanical parking)
	Number of 2-Wheelers as approved by competent authority:	20
	Number of 4-Wheelers as approved by competent authority:	233
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	Category 'B' 8(a) {Building and Construction projects = 20,000 sq. m. and <1,50,000 sq. m. of built-up area }
	Court cases pending if any	Not Applicable
	Other Relevant Informations	Not Applicable
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	09-01-2018

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Not Available.

Brief information of the project by SEAC

Environment Clearance for Implementation of Slum Rehabilitation Scheme (SRA) and construction of Residential Buildings on C.T.S. no. 408(pt), 408/1 to 3, 412(pt), 412/2 to 10, 412/18, 412/20 to 54.

PP submitted their application for prior Environmental clearance for total plot area of 6132.24 Sq. Meters., Total BUA of 51527.33 Sq. Mtrs. and FSI area of 27693.04 Sq. Mtrs. It is proposed to construct buildings having maximum heights of 69.85 meters.

During discussion PP informed that PP has proposed substantial changes in proposed project for which CS is uploaded and requested not to consider the same proposal.

DECISION OF SEAC

After discussion Committee decided to delist the proposal and suggest PP to upload the fresh proposal for revised project.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

State Expert Appraisal Committee (SEAC-2)

SEAC Meeting number: 58 (Day - 2) **Meeting Date** April 6, 2018

Subject: Environment Clearance for "AARADHYA-NINE" Proposed Redevelopment Project

Is a Violation Case: No

General Information:

1.Name of Project	"AARADHYA-NINE" Proposed Redevelopment Project
2.Type of institution	Private
3.Name of Project Proponent	MICL Realty LLP
4.Name of Consultant	Aditya Environmental Services Pvt. Ltd.
5.Type of project	Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Located at Plot No. 154,156, 158 Naidu Colony, Ghatkopar, Mumbai.
9.Taluka	Mumbai
10.Village	Ghatkopar
11.Area of the project	Municipal Corporation of Greater Mumbai (MCGM)
12.IOD/IOA/Concession/Plan Approval Number	YES, Proposed project is the redevelopment of MHADA plot NOC from the same is obtained & attached for your reference.
	IOD/IOA/Concession/Plan Approval Number: CHE/ES/2302/N/337(NEW)
	Approved Built-up Area: 15868.25
13.Note on the initiated work (If applicable)	Not applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	YES, Proposed project is the redevelopment of MHADA plot NOC from the same is obtained & attached for your reference.
15.Total Plot Area (sq. m.)	2461.71
16.Deductions	0
17.Net Plot area	2461.71
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 15375.07
	b) Non FSI area (sq. m.): 9932.59
	c) Total BUA area (sq. m.): 25307.66
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	1760
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	71.5
21.Estimated cost of the project	1650000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building type A & B	2 B + Gr + 1P+ 16 habitable floors	57.6
2	Building type C	2 B + Gr + 1P+ 18 habitable floors	63.4
3	Building Type D	U.G. services + Gr + 14 habitable floors	45.4

23.Number of tenants and shops	Building type A: 62 nos. Building type B: 62 nos. Building type C: 69 nos. Building type D: 55 nos. Total: 248 nos.
24.Number of expected residents / users	1240
25.Tenant density per hectare	5037
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	12.2M WIDE MAIN ROAD
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	12.2M WIDE MAIN ROAD
29.Existing structure (s) if any	There were 3 residential buildings of Ground + 3 UF housing 96 dwelling units which were demolished for the proposed redevelopment by the earlier developer.
30.Details of the demolition with disposal (If applicable)	The buildings were already demolished as per MCGM notice 354 of demolition.

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):	112
	Recycled water - Flushing (CMD):	55.8
	Recycled water - Gardening (CMD):	1.231
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	169.031
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	71.32

Wet season:	**Source of water**	MCGM
	Fresh water (CMD):	112
	Recycled water - Flushing (CMD):	55.8
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	167.8
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	71.32
Details of Swimming pool (If any)	Not applicable	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	4m
	Size and no of RWH tank(s) and Quantity:	4.1 m x 3.1 m x 4 m
	Location of the RWH tank(s):	Basement
	Quantity of recharge pits:	1
	Size of recharge pits :	4 m X 3.5 m X 4 m
	Budgetary allocation (Capital cost) :	600000
	Budgetary allocation (O & M cost) :	30000 per year
	Details of UGT tanks if any :	Domestic water tank, Rain water harvesting tank, Fire tank located below D wing ground floor.

35.Storm water drainage	**Natural water drainage pattern:**	Drainage pattern will be maintained
	Quantity of storm water:	0.135 cum/ sec
	Size of SWD:	0.135 cum/ sec

Sewage and Waste water	**Sewage generation in KLD:**	167.400
	STP technology:	MBBR
	Capacity of STP (CMD):	1 No. and 175 cmd
	Location & area of the STP:	Basement and 197.2
	Budgetary allocation (Capital cost):	60,00,000
	Budgetary allocation (O & M cost):	12,00,000

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	NA
	Disposal of the construction waste debris:	used for filling the plot and maintaining natural slopes.
Waste generation in the operation Phase:	**Dry waste:**	186
	Wet waste:	434
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	0.2
	Others if any:	NA
Mode of Disposal of waste:	**Dry waste:**	segregation and sale of recyclables, inerts to approved landfill site.
	Wet waste:	biodegradable waste to compost
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	0.1
	Others if any:	NA
Area requirement:	**Location(s):**	basement
	Area for the storage of waste & other material:	54 sq.m
	Area for machinery:	54 sq.m area including machinery
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	10
	O & M cost:	2

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 :**	MHADA RG layout is attached for your reference.
	No of trees to be cut :	9
	Number of trees to be planted :	27
	List of proposed native trees :	List is given as under
	Timeline for completion of plantation :	4 years from start of construction

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Ziziphus mauritiana	Ber tree	4	spiny, evergreen shrub or small tree up to 15 m high
2	Cocos nucifera	Coconut	7	large palm, growing up to 30 m tall, with pinnate leaves 4–6 m (13–20 ft) long
3	Prunus dulcis	Badam	5	Leaves 3-5?, linear or slightly ovate, about 3-4 times longer than wide, with acute tips and finely serrate margins

4	Artocarpus heterophyllus	Fanas	6	Trees typically reach a height of 8–25 m (26–82 ft) and a canopy diameter of 3.5–6.7 m (11–22 ft) at 5 years of age.
5	Syzygium cumini	Jamun	5	flowering from March to April. The flowers are fragrant and small, about 5 mm in diameter
45.Total quantity of plants on ground				

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

Serial Number	Name	C/C Distance	Area m2
1	not applicable	not applicable	not applicable

47.Energy

Power requirement:	**Source of power supply :**	Electricity supply board
	During Construction Phase: (Demand Load)	3147 KW
	DG set as Power back-up during construction phase	will be provided as per load requirement
	During Operation phase (Connected load):	4715 KW
	During Operation phase (Demand load):	2002 KW
	Transformer:	NA
	DG set as Power back-up during operation phase:	As per new rule we are providing alternate supply from other substation of nearby location
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

1. Saving due to solar lighting for common area load:
saving in %: 60
saving in unit: 77
2. Saving due to solar lighting for staircase:
saving in %: 60
saving in unit: 18

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Saving Due to CFL Lamp, Saving Due to LED Lamp, Saving Due to Electronic Ballast, Saving Due to VFD, Saving Due to Solar Lighting	Average KWH/Day saving: 1318.67, Average KWH/Annual saving: 481314.32, Total saving saving: 481314, Saving in %: 26.81

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:**	50.66 lakhs/year approximate
	O & M cost:	5.06 lakh/year approximate

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Debris/Top soil Management	NA	67.80
2	Toilets for labour + drinking water + first aid arrangement	NA	10.50
3	Monitoring of Environmental Parameters	NA	02
4	Environmental Monitoring Cell	NA	20

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	NA	60	12
2	Solid Waste Management	NA	10	02
3	Rain Water Harvesting	NA	5	0.2
4	Rain Water Harvesting	NA	5	0.2
5	Energy saving features	NA	26	0.36

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 Barrister Nath Pai road at Ambedkar Chowk

Parking details:	**Number and area of basement:**	2 basements with 2402.90 sq.m area
	Number and area of podia:	1 podium with 1206.5 sq.m area
	Total Parking area:	5547.2 sq.m
	Area per car:	26.29
	Area per car:	26.29
	Number of 2-Wheelers as approved by competent authority:	8
	Number of 4-Wheelers as approved by competent authority:	190
	Public Transport:	NA
	Width of all Internal roads (m):	6.4m, 4.5m, 3.6m
	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	Not applicable
	Court cases pending if any	Not applicable
	Other Relevant Informations	Not applicable
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	01-01-1900

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Not Available.

Brief information of the project by SEAC

PP, Mr. Ravi Yeole & Architect Ms. Priya Pole were present during the meeting along with environmental consultant M/s Aditya Environmental Services Pvt. Ltd.

Environment Clearance for "AARADHYA-NINE" Proposed Redevelopment Project Located at Plot No. 154,156, 158 Naidu Colony, Ghatkopar, Mumbai

PP submitted their application for prior Environmental clearance for total plot area of 2461.71 Sq. Meters., Total BUA of 25307.66 Sq. Mtrs. and FSI area of 15375.07 Sq. Mtrs. It is proposed to construct buildings having maximum heights of 63.4 meters.

The case was earlier considered in 54th SEAC-II meeting held on 5/07/2017.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. The proposal is appraised as category 8 (a) B2. Compliance points 1 to 4 found satisfactory.

DECISION OF SEAC

With observation as above committee decided to defer the matter .

Specific Conditions by SEAC:

1) PP to upload CFO NOC obtained for the project.
2) It is observed that, PP has not complied with observation on fire tender movement. North west side has no access to fire tender movement. PP stated that, the gap between buildings is 7.5 m on the ground above basement, therefor fire tender movement is possible. Therefore, Pp to show swept path analysis for the same.

FINAL RECOMMENDATION

SEAC-II decided to defer the proposal till PP submits the additional information as per above conditions within 30 days

State Expert Appraisal Committee (SEAC-2)

SEAC Meeting number: 58 (Day - 2) **Meeting Date** April 6, 2018

Subject: Environment Clearance for Environment clearance for proposed residential and commercial development at Plot-3, Sector-23, Kharghar, Navi Mumbai, Maharashtra

Is a Violation Case: No

1.Name of Project	Proposed Project
2.Type of institution	Private
3.Name of Project Proponent	Manji Karman Patel
4.Name of Consultant	Building Environment (India) Pvt. Ltd.
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Plot No. -3, Sector-23, Kharghar, Navi Mumbai
9.Taluka	Panvel
10.Village	NA
Correspondence Name:	Bhagwati Developers
Room Number:	1306
Floor:	--
Building Name:	Real Tech Park, Plot 39/2, Sector-30 A
Road/Street Name:	--
Locality:	Opp. Vashi railway Station, Vashi
City:	Navi Mumbai-400705
11.Area of the project	CIDCO
12.IOD/IOA/Concession/Plan Approval Number	Commencement certificate
	IOD/IOA/Concession/Plan Approval Number: CIDCO/BP-15417/TPO(NM&K)/2016/1705; Dated 14-6-2017
	Approved Built-up Area: 39637.360
13.Note on the initiated work (If applicable)	Not Applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	LOI
15.Total Plot Area (sq. m.)	8401.390 Sq. Mt.
16.Deductions	Nil
17.Net Plot area	8401.390 Sq. Mt.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 12574.980
	b) Non FSI area (sq. m.): 27062.38
	c) Total BUA area (sq. m.): 39637.360
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	5347.435
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	63.65%
21.Estimated cost of the project	1951700000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	2 Proposed Buildings + 3 Wings	A and B Wings (Part Basement + stilt + 28 floors) ; C Wing (Basement + Ground + 25 Floors)	91.45 Mt. height upto terrace level and 97.45 height upto top level

23.Number of tenants and shops	Total No. of Flats= 147 Shops= 8 and Offices= 8
24.Number of expected residents / users	827 + 40 + 120 = 987
25.Tenant density per hectare	194.01
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	21 Meter
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	6 Meter
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**	CIDCO
	Fresh water (CMD):	76.83
	Recycled water - Flushing (CMD):	42.02
	Recycled water - Gardening (CMD):	23.75
	Swimming pool make up (Cum):	12.44
	Total Water Requirement (CMD) :	155.04
	Fire fighting - Underground water tank(CMD):	100
	Fire fighting - Overhead water tank(CMD):	20
	Excess treated water	40.23
Wet season:	**Source of water**	CIDCO + RWH
	Fresh water (CMD):	36.33 (CIDCO) + 40.50 (RWH)
	Recycled water - Flushing (CMD):	42.02
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	12.44
	Total Water Requirement (CMD) :	90.79
	Fire fighting - Underground water tank(CMD):	100
	Fire fighting - Overhead water tank(CMD):	20
	Excess treated water	63.98
Details of Swimming pool (If any)	Swimming Pool area = 270.325 Sq. Mt.	

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:**	3-4 Meter
	Size and no of RWH tank(s) and Quantity:	1 RWH tank of 113 KLD
	Location of the RWH tank(s):	On Ground
	Quantity of recharge pits:	Recharge pits not proposed since level of water table is high.
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	20 Lacs
	Budgetary allocation (O & M cost) :	2.26 Lacs/yr
	Details of UGT tanks if any :	U. G. TANK WITH 1.5 DAYS STORAGE IN CUM/DAY ALL BLDG FOR RESIDENTIAL AND COMMERCIAL Residential (Domestic) : 112 and Residential (Flushing): 56 Commercial (Domestic) : 23 and Commercial (Flushing): 50
35.Storm water drainage	**Natural water drainage pattern:**	The storm drainage above ground will essentially cater for the seasonal rains. The major part of discharge will be from the roof. The flat roof will have a general slope of 1 in 100 in the screed towards the periphery. Rain water outlets will be provided at the edges from where it will be carried down by UPVC agriculture pipes to discharge water into storm water entrance chambers below ground. The rainfall intensity considered for design is 100 mm per hour. The basement drainage will be through
	Quantity of storm water:	0.160 Cu.M./Sec.
	Size of SWD:	Width of trench: 0.6 M and depth: 0.3 M
Sewage and Waste water	**Sewage generation in KLD:**	112 KLD
	STP technology:	Microfilteration Technology based on KSQ Flat Sheet Membrane
	Capacity of STP (CMD):	1 STP of 125 KLD
	Location & area of the STP:	On ground
	Budgetary allocation (Capital cost):	27.00 Lacs
	Budgetary allocation (O & M cost):	3.50 Lacs/yr

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Excavated soil will be used in land levelling purpose & construction debris will be handed over to authorised agency.
	Disposal of the construction waste debris:	Construction debris will be handed over to Authorised agency.
Waste generation in the operation Phase:	**Dry waste:**	128.86 Kg/Day
	Wet waste:	300.66 Kg/Day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	3.12 Kg/Day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Handed over to authorised agency
	Wet waste:	Composting through Organic Waste Composter & used at site as manure.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as manure within the premises for plants. Excess shall be sold /handover to outside parties or gardens.
	Others if any:	NA
Area requirement:	**Location(s):**	On Ground
	Area for the storage of waste & other material:	30 Sq. Mt.
	Area for machinery:	30 Sq. Mt.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	21Lacs
	O & M cost:	2.50 Lacs/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 :**	Total RG area: 4750.081 Sq. Mt. (Ground: 944.816 Sq. Mt. and Podium: 3805.265 Sq. Mt.)
	No of trees to be cut :	NA
	Number of trees to be planted :	105
	List of proposed native trees :	Lemon, Parijata, Bahava, Apta, Sita Asoka, False Ashoka, Palm, Soanchaffa.
	Timeline for completion of plantation :	5 Years

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Lemon	Citrus sp.	14	Butterfly host plant having high Air Pollution Index Tolerance (APIT)
2	Parijatak	Nyctanthes arbortristis	13	Small deciduous fast growing tree, beautiful flowers
3	Bahava	Cassia Fistula	13	Medium sized deciduous tree Beautiful yellow flowers, Butterfly host plant
4	Apta	Bauhinia racemosa	13	Small tree with small white flowers, Butterfly host plant
5	Sita Asoka	Saraca asoka	13	Shady tree with Red-Yellow Flowers
6	False Asoka	Polyalthia longifolia	13	Tree having high Air Pollution Index Tolerance (APIT)
7	Palm	Areca sp.	13	Ornamental
8	Sonchaffa	Michellia champaca	13	Ornamental
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	100 kW
	DG set as Power back-up during construction phase	As per requirement
	During Operation phase (Connected load):	3919.56 kW
	During Operation phase (Demand load):	908.20 kWS
	Transformer:	2 Transformer of 630 kVA
	DG set as Power back-up during operation phase:	320 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

REDUCTION IN CONSUMPTION BY USING ENERGY SAVING MEASURE:
1. Savings due to lamp
2. Savings due to electronic ballast
3. Savings due to timer / sensor
4. Savings within apartment with use of Star rated geysers and AC
5. Saving due to Solar Lights
6. Saving due to Solar Water Heating

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Average Annual energy saving	33.93%
2	Total Solar PV Power & Solar Hot Water savings per annuam	2.8 %

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:**	Solar Panel- 337500 Lacs
	O & M cost:	35000 Lacs/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	PPE	--	5.0
2	Site Sanitation Facility	Sanitation	4.0

3	Drinking Water Facility	Water	2.0
4	Solid Waste Management	--	2.5
5	Safety railing, Platform, Ladder, Crane, Hoist, etc	--	6.0
6	House Keeping	--	2.0
7	Health Check	--	1.0
8	Environmental Monitoring	--	1.5
9	Anti rust coating on foundation steel bars	--	5.0

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	--	27.00	3.50
2	Rain Water Harvesting	--	20	2.26
3	Solid Waste Management	--	21.00	2.50
4	Gardening and Landscaping	--	7	0.50
5	Solar PV panel	--	33.75	0.35
6	DMP	--	315.71	27.78

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

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

52.Any Other Information

No Information Available

53.Traffic Management

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

Parking details:	**Number and area of basement:**	1 and Area- 654.217 Sq. Mt.
	Number and area of podia:	3 Podiums
	Total Parking area:	Parking Area on Ground Floor =2622.406 Sq. Mt. ; Parking Area on 1st Podium Floor = 2542.075 Sq. Mt.; Parking Area on 2nd Podium Floor = 2865.797 Sq. Mt.; Parking Area on Basement = 654.217 Sq. Mt.
	Area per car:	28.75 Sq. Mt.
	Area per car:	28.75 Sq. Mt.
	Number of 2-Wheelers as approved by competent authority:	16
	Number of 4-Wheelers as approved by competent authority:	Required- 128 and Proposed - 302
	Public Transport:	Kharghar Station
	Width of all Internal roads (m):	6 Meter
	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	The project falls under category B2 of project activity number 8(a) 'Building and Construction Projects' as per MoEF EIA notification dated 14th September, 2006.
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	12-10-2015

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Not Available.

Brief information of the project by SEAC

Environment Clearance for Environment clearance for proposed residential and commercial development at Plot-3, Sector-23, Kharghar, Navi Mumbai, Maharashtra.

PP submitted their application for prior Environmental clearance for total plot area of 8401.39 Meters. Total BUA of 39637.36 Sq. Mtrs. and FSI area of 12574.98 Sq. Mtrs. It is proposed to construct 2 buildings+3 wings having maximum heights of 91.45 mtrs up to terrace level and 97.45mtrs height up to top level.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8 (a) B2. PP informed that they have obtained full potential sanction. PP informed that HRC NOC is not required as project falls in CIDCO. PP informed that had obtained permission from Airports Authority of India for 117.15 mtrs Top Elevation. Pp informed that construction on the site undertaken as per the permission given by local authority and is less than 20,000 sq. m.

DECISION OF SEAC

After deliberation, committee decided to defer the proposal for compliance of above points.

Specific Conditions by SEAC:

1) PP to submit undertaking of PP and architect regarding details construction undertaken on site till date. Accordingly PP to revise and submit point no. 13 in CS.
2) PP to submit the Wind, Shadow, Thermal analysis report and incorporate measures as per the findings of the study.
3) PP to submit debris management plan as approved by CIDCO. PP to ensure that no debris is disposed of in CRZ area.
4) PP informed that extra RG is developed on podium. PP to increase layer of soil up to 1.5 mtr. for planting shrubs on podium.
5) PP to explore possibility of use of excess treated water for central park and golf course adjacent to project site.
6) PP to increase No. of trees to be planted in the project. Pp may undertake plantation in other areas if area is not available in the project site. Number of plants should be at least 650.
7) PP to revise and submit Fire Tender Movement Plan.
8) PP to increase use of Renewable energy up to 4% of total energy requirement. Pp may adopt hybrid system for the same.
9) PP to revise and submit parking layout plan by removing car lift and provide 6 mtrs wide ramp with 1:10 slope. Pp to restrict the parking as per the DCR and remove extra parking.
10) PP to revise and submit site specific executable and auditable EMP along with implementation plan and to provide environmental management cell provision for construction and operation phase.

FINAL RECOMMENDATION

SEAC-II decided to defer the proposal till PP submits the additional information as per above conditions within 30 days

State Expert Appraisal Committee (SEAC-2)

SEAC Meeting number: 58 (Day - 2) **Meeting Date** April 6, 2018

Subject: Environment Clearance for Proposal for amendment in Environment Clearance for LOMA IT Park project

Is a Violation Case: No

General Information:

1.Name of Project	LOMA IT Park
2.Type of institution	Private
3.Name of Project Proponent	Loma IT Park Developers Pvt. Ltd.
4.Name of Consultant	Aditya Environmental Services Pvt. Ltd.
5.Type of project	Others
6.New project/expansion in existing project/modernization/diversification in existing project	Not applicable
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Plot No. Gen-4/1, T.T.C. Industrial Area, Thane-Belapur road, Ghansoli, Navi Mumbai – 400710.
9.Taluka	Thane
10.Village	Ghansoli
11.Area of the project	MIDC
12.IOD/IOA/Concession/Plan Approval Number	Commencement Certificate
	IOD/IOA/Concession/Plan Approval Number: DE /MHP (C) /SPA/IFMS/A24239 of 2016 (Applicable FSI is increased and the proposed changes in BUA are in process)
	Approved Built-up Area: 218530.24
13.Note on the initiated work (If applicable)	Work has been initiated as per EC granted dtd. 29.01.2010 and dtd. 30.03.2015
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	1,21,405 Sq. m
16.Deductions	12, 141 Sq. m
17.Net Plot area	1,09,265 Sq m (10.92 ha)
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 3,03,512.5 sq m
	b) Non FSI area (sq. m.): 3,94566.3 sq m
	c) Total BUA area (sq. m.): 6,98,078.8 Sq m
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	53539 sqm
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	49%
21.Estimated cost of the project	15706800000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	IT Bldg	G + 2 Floors	14. mts
2	IT Bldg 01	G + 18 Floors	79 mts
3	IT Bldg 02	G + 23 Floors	105 mts
4	IT Bldg 03	G + 23 Floors	105 mts
5	IT Bldg 04	G + 23 Floors	105 mts

6	Resi Bldg 01	G + 35 Floors	119 mts
7	Resi Bldg 02	G + 35 Floors	119 mts
8	Resi Bldg 03	G + 35 Floors	119 mts
9	Resi Bldg 04	G + 35 Floors	119 mts
10	Resi Bldg 05	G + 35 mts	119 mts
11	Resi Bldg 06	G + 35 Floors	119 mts
12	Resi Bldg 07	G + 35 mts	119 mts

23.Number of tenants and shops	Tenements : 2000 Shops: 125
24.Number of expected residents / users	IT Users: 35,021 Nos; Residential Users: 10,000 Nos; Retail: 250 Total Users: 45,271 Nos.
25.Tenant density per hectare	4180
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	10.50 mts
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Min.9 mts
29.Existing structure (s) if any	IT Bldg Construction as per EC dtd. 29.01.2010 is underway. Site office and Temporary structure constructed.
30.Details of the demolition with disposal (If applicable)	No previous structure to be demolish.

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	MIDC
	Fresh water (CMD):	1435
	Recycled water - Flushing (CMD):	1519
	Recycled water - Gardening (CMD):	243
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	3657
	Fire fighting - Underground water tank(CMD):	3.5
	Fire fighting - Overhead water tank(CMD):	0
	Excess treated water	178
Wet season:	**Source of water**	MIDC
	Fresh water (CMD):	1435
	Recycled water - Flushing (CMD):	1519
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	3414
	Fire fighting - Underground water tank(CMD):	3.5
	Fire fighting - Overhead water tank(CMD):	0
	Excess treated water	421
Details of Swimming pool (If any)	Not available	

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:**	6 mts
	Size and no of RWH tank(s) and Quantity:	For IT : Two Compartments 100 cmd Rain Water x 4 nos; For Residential buildings : Two Tanks of 100 cmd for Rain Water Tank
	Location of the RWH tank(s):	Ground Floor
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	50 lakhs
	Budgetary allocation (O & M cost) :	2.5 lakhs
	Details of UGT tanks if any :	For IT Building (Identical for 4 Towers) Two Compartments of 250,000 Liters For Fire Two Compartments 50,000 Litres Municipal Raw Water Storage Two Compartments 50,000 Litres Domestic Water Storage For Residential (Identical for 3 Towers) Two Tanks of 225,000 Liters For Fire Two Tanks of 80,000 Litres for Raw Water Two Tanks of 80,000 Litres for Treated Water Two Tanks of 100,000 Litres for Rain Water Tank Two Tanks of 80,000 Litres for Flushing
35.Storm water drainage	**Natural water drainage pattern:**	Will be maintained
	Quantity of storm water:	100
	Size of SWD:	0.6 m m deep x 0.6 m wide
Sewage and Waste water	**Sewage generation in KLD:**	2667
	STP technology:	MBBR & SBR Technology
	Capacity of STP (CMD):	3000
	Location & area of the STP:	On ground
	Budgetary allocation (Capital cost):	100lakhs
	Budgetary allocation (O & M cost):	10 lakhs
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	50 kg/day
	Disposal of the construction waste debris:	Will be sold to authorised dealers.
Waste generation in the operation Phase:	**Dry waste:**	6490
	Wet waste:	5639
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	2.1 kg/day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Dry garbage will be further segregated into recyclable and non-recyclable & will be handed over to the authorised recycler.
	Wet waste:	The biodegradable waste will be converted to compost using OWC unit
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be dried and composted.
	Others if any:	NA
Area requirement:	**Location(s):**	Basement
	Area for the storage of waste & other material:	22.96 sq mt
	Area for machinery:	0
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	50 lakhs
	O & M cost:	2.5 lakhs

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

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

43.Green Belt Development	**Total RG area :**	48,578 sq.m
	No of trees to be cut :	11
	Number of trees to be planted :	1214
	List of proposed native trees :	Refer Annexure 1
	Timeline for completion of plantation :	Till operation phase

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

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

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	3500 KVA
	DG set as Power back-up during construction phase	Will be provided
	During Operation phase (Connected load):	50 MVA
	During Operation phase (Demand load):	45 MVA
	Transformer:	Not available
	DG set as Power back-up during operation phase:	?Number and capacity of the DG sets to be used: 2000 KVA for 3 Towers for residential areas of 2000 KVA X 3 = 6000 KVA capacity ; ? 12 .no. of 2000 KVA DG sets for IT areas of capacity of 24000 KVA ; ? 8 .no. of 1500 KVA DG sets for IT areas of capacity of 12000 KVA
	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 lighting for common areas.
• High energy efficiency HVAC for IT area
• Designing ECBC compliant & energy efficient electrical infrastructure
• Using energy efficient power distribution & distributed cabling
• CPCB certified DG sets
• Partial lightening and hot water based on solar energy.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Variable Frequency Drive for All Air Handling Units	15 to 20%
2	LED Lights for all Common area compared to Conventional Light Fixtures	40 to 50 %

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:**	30 lakhs
	O & M cost:	3 lakhs

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Capital and O & M cost	NA	25 lakhs

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	NA	100 Lakhs	10 Lakhs
2	Solid Waste Management	NA	50 Lakhs	2.5 Lakhs
3	Rain Water Harvesting	NA	50 Lakhs	2.5 Lakhs
4	Landscape	NA	100 Lakhs	10 Lakhs
5	Energy saving features	NA	30 Lakhs	3 Lakhs
6	Monitoring of Environmental Parameters	NA	10 Lakhs	1 Lakh
7	Environment monitoring cell	NA	10 Lakhs	1 Lakh
8	TOTAL	NA	400 Lakhs	25 Lakhs

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	The site is directly connected to Thane Belapur road.
Parking details:	**Number and area of basement:**	1 with 2914 sq.m
	Number and area of podia:	4 podiums of 92351 sq.m
	Total Parking area:	92,265 sq.m
	Area per car:	13
	Area per car:	13
	Number of 2-Wheelers as approved by competent authority:	0
	Number of 4-Wheelers as approved by competent authority:	4500
	Public Transport:	Bus and Railway facility nearby
	Width of all Internal roads (m):	6 mts
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Thane creek mangroves at 2 km towards west.
	Category as per schedule of EIA Notification sheet	8 b (B1)
	Court cases pending if any	NA
	Other Relevant Informations	Our proposal was granted Environment Clearance dtd. 29.01.2010. Subsequently amendment was obtained on 30.03.2015. As per IT Policy 2015 the applicable FSI has been increased and hence the amendment is proposed for increase in built up area and change in layout.

	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	27-09-2016

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Not Available.

Brief information of the project by SEAC

(EIA Case)

PP submitted their application for total plot area of 109265 Sq. Mtrs, BUA of 698078.8 Sq. Mtrs and FSI area of 303512.5 Sq. Mtrs. PP proposes to construct buildings, having maximum height of 119 mtrs

The case was earlier considered in 53rd meeting of the SEAC - II held from 04th May, 2017. SEAC II has given TOR's to the project. Now PP has submitted the EIA report.

During discussion committee noticed that PP has not submitted conceptual plan for approval of local planning authority or not submitted acknowledgment of submission of same. Committee also noticed that PP presented different approved plan. Therefor committee advised PP to revise proposal as per the available FSI or submit approved plan / acknowledgment of submission of conceptual plan for approval for which TOR was granted.

DECISION OF SEAC

After deliberation committee decided to defer the matter for compliance as above.

Specific Conditions by SEAC:

1) It is noted that details of RG is different. PP to ensure that RG should be 10 % of total plot area should be on Mother Earth. PP to submit the revised details of the same.
2) PP to submit compliance of earlier EC and also to submit certification of EC compliance report.
3) PP to ensure that BOD of the treated waste water is less than 5 mg/lit and suspended solids is 20 mg/lit
4) PP to submit detail plan for reuse/recycling treated waste water especially post construction.
5) PP to provide Biogas/energy recovery system for Biodegradable waste.
6) PP to provide 2 wheeler & cycle parking and submit revised Building layout Plan accordingly
7) PP to provide documents showing project area is not affected by CRZ.
8) PP to submit Hydrology study report for drainage comprising surrounding area.
9) PP to submit details in compliance to point no 9.9, 9.10, 9.11, 9.12 of APPENDIX II of EIA Notification, 2006
10) PP to submit details in compliance to para 2 (III) point no J to O of OM dated 19th June 2013
11) PP to upload the plans , duly stamped & singed , submitted for approval to the local body, Disaster Management Plan, Environmental Management Plan, traffic study and other above said compliances etc on the website of ec.mpcb.in
12) PP to also refer Standard ToR published by MoEF vide order dated 10/04/15 in addition to above

FINAL RECOMMENDATION

SEAC-II decided to defer the proposal till PP submits the additional information as per above conditions within 30 days

State Expert Appraisal Committee (SEAC-2)

SEAC Meeting number: 58 (Day - 2) **Meeting Date** April 6, 2018

Subject: Environment Clearance for Residential and commercial project at Plot No.- 07, Sector-13, Sanpada, Navi Mumbai.

Is a Violation Case: No

1.Name of Project	One Akshar
2.Type of institution	Private
3.Name of Project Proponent	Mr. Bharat Patel
4.Name of Consultant	Building Environment (India) Pvt. Ltd.
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Plot No. 07, Sector-13, Sanpada
9.Taluka	Thane
10.Village	--
Correspondence Name:	Akshar Realtors
Room Number:	Office No. 225
Floor:	--
Building Name:	Big Splash
Road/Street Name:	--
Locality:	Plot No. 78 & 79, Sector-17
City:	Vashi, Navi Mumbai-400703
11.Area of the project	Municiapl- NMMC
12.IOD/IOA/Concession/Plan Approval Number	Commencement certificate
	IOD/IOA/Concession/Plan Approval Number: --
	Approved Built-up Area: 27686.84
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	LOI- No. NMMC/TPO/ADTP/264/2018 Dated- 16/01/2018
15.Total Plot Area (sq. m.)	4902.410
16.Deductions	Nil
17.Net Plot area	4902.410
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 8782.214
	b) Non FSI area (sq. m.): 18904.626
	c) Total BUA area (sq. m.): 27686.84
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	2607.106
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	53.18%
21.Estimated cost of the project	2342700000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Main Building	G +29 (Ground and 1ST- Commercial, 2nd to 4th - Parking, 5th – Landscape garden , 6 to 28 – Flats ,29th - Amenities)	119.000 Mt.
2	EWS Building	G + 4 (EWS building)	14.950 Mt.

23.Number of tenants and shops	No. of Flats - 46 ; No. of flats in EWS - 16 No. of shops – 15, No. of Office - 1
24.Number of expected residents / users	Residential: 322 + 80 =402 Nos. Commercial: 76 Nos. Total: 478 Nos.
25.Tenant density per hectare	159.10
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	15.00 Mt.
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	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**	NMMC
	Fresh water (CMD):	38.00
	Recycled water - Flushing (CMD):	20.00
	Recycled water - Gardening (CMD):	10.00
	Swimming pool make up (Cum):	19.00
	Total Water Requirement (CMD) :	87.00
	Fire fighting - Underground water tank(CMD):	200.00
	Fire fighting - Overhead water tank(CMD):	31.30
	Excess treated water	19.00
Wet season:	**Source of water**	NMMC + RWH
	Fresh water (CMD):	13.00 & RWH: 25.00
	Recycled water - Flushing (CMD):	20.00
	Recycled water - Gardening (CMD):	--
	Swimming pool make up (Cum):	19.00
	Total Water Requirement (CMD) :	52.00
	Fire fighting - Underground water tank(CMD):	200.00
	Fire fighting - Overhead water tank(CMD):	31.30
	Excess treated water	29.00
Details of Swimming pool (If any)	Swimming Pool area = 378.00 Sq. Mt.	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	--
	Size and no of RWH tank(s) and Quantity:	1 RWH tank of 45 KLD
	Location of the RWH tank(s):	On Ground
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	9 Lacs
	Budgetary allocation (O & M cost) :	1 Lacs/ annuam
	Details of UGT tanks if any :	Domestic Tank : 55 KLD Flushing Tank : 23 KLD
35.Storm water drainage	**Natural water drainage pattern:**	The storm drainage above ground will essentially cater for the seasonal rains. The major part of discharge will be from the roof. The flat roof will have a general slope of 1 in 100 in the screed towards the periphery. Rain water outlets will be provided at the edges from where it will be carried down by UPVC agriculture pipes to discharge water into storm water entrance chambers below ground. The rainfall intensity considered for design is 100 mm per hour. The basement drainage will be through
	Quantity of storm water:	3.33 m3/sec
	Size of SWD:	450 mm x450 mm wide
Sewage and Waste water	**Sewage generation in KLD:**	54
	STP technology:	Microfilteration Technology based on KSQ Flat sheet Membrane
	Capacity of STP (CMD):	1 STP of 60 KLD
	Location & area of the STP:	On Ground
	Budgetary allocation (Capital cost):	15.00 Lacs
	Budgetary allocation (O & M cost):	3.0 Lacs/ annuam

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Excavated soil will be used in land leveling purpose &construction debris will be handed over to authorized agency.
	Disposal of the construction waste debris:	Construction debris will be handed over to Authorized agency
Waste generation in the operation Phase:	**Dry waste:**	62.19
	Wet waste:	145.10
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	1.50
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Handed over to authorized agency.
	Wet waste:	Composting through OWC & used at site/as manure.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as manure within the premises for plants. Excess shall be sold /handover to outside parties or gardens.
	Others if any:	NA
Area requirement:	**Location(s):**	On Ground
	Area for the storage of waste & other material:	30 Sq. Mt.
	Area for machinery:	30 Sq. Mt.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	8.00 Lacs
	O & M cost:	2.00 Lacs/ annuam

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 :**	1962.821 Sq. Mt. (173.562 Sq. Mt. on ground + 1789.259 Sq. Mt. on Podium)
	No of trees to be cut :	NA
	Number of trees to be planted :	61
	List of proposed native trees :	As mentioned below.
	Timeline for completion of plantation :	5 Years.

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Citrus sp	Lemon	11	Butterfly host plant having high Air Pollution Index Tolerance (APIT)
2	Nyctanthes arbortristis	Parijatak	10	Small deciduous fast growing tree, beautiful flowers
3	Cassia Fistula	Bahava	10	Medium sized deciduous tree Beautiful yellow flowers, Butterfly host plant
4	Bauhinia racemosa	Apta	10	Small tree with small white flowers, Butterfly host plant
5	Saraca asoka	Sita Asoka	05	Shady tree with Red-Yellow Flowers
6	Polyalthia longifolia	False Asoka	05	Tree having high Air Pollution Index Tolerance (APIT)
7	Areca sp.	Palm	05	Ornamental
8	Michellia champaca	Sonchaffa	05	Ornamental
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	100 kVA
	DG set as Power back-up during construction phase	As per requirement
	During Operation phase (Connected load):	1959 kW
	During Operation phase (Demand load):	1042 kVA
	Transformer:	1No. of 1250 kVA Transformer
	DG set as Power back-up during operation phase:	1No. of 450 kVA DG
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Load by provision of Compact Fluorescent Lamp
Load by provision of LED Lights and Solar Water Heater

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Overall Energy Saving	4.12%

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:**	--
	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	PPE	--	5.00
2	Site Sanitation Facility	--	4.00
3	Drinking Water Facility	--	2.00
4	Solid Waste Management	--	2.50
5	Safety railing, Platform, Ladder, Crane, Hoist, etc	--	6.00

6	House Keeping	--	2.00
7	Health Check	--	1.00
8	Environmental Monitoring	--	1.50
9	Anti rust coating on foundation steel bars	--	5.00

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP	--	15.00	3.0
2	Rain water Harvesting	--	9.00	1.00
3	Solid Waste Management	--	8.00	2.00
4	DMP	--	265.71	20.26

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

Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	4 podiums 1st Floor -1330.244 Sq.Mt, 2nd Floor - 1759.726 Sq. Mt. ,3rd Floor- 2180.552 Sq. Mt. , 4th Floor- 1908.514 Sq.Mt.
	Total Parking area:	Ground Floor- 2356.711 Sq. Mt. 1st Floor -925.783 Sq. Mt., 2nd Floor– 1253.92 Sq. Mt.. ,3rd Floor – 1561.921 Sq. Mt. , 4th Floor - 1561.921 Sq.Mt.
	Area per car:	53.19 Sq. Mt.
	Area per car:	53.19 Sq. Mt.
	Number of 2-Wheelers as approved by competent authority:	16
	Number of 4-Wheelers as approved by competent authority:	Required- 143 Nos. and Proposed Parking- 144
	Public Transport:	Sanpada Railway Station
	Width of all Internal roads (m):	8.00 Mt.
	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	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	21-10-2016

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Not Available.

Brief information of the project by SEAC

Environment Clearance for Residential and commercial project at Plot No.- 07, Sector-13, Sanpada, Navi Mumbai

PP submitted their application for prior Environmental clearance for total plot area of 4902.41Meters. Total BUA of 27686.84 Sq. Mtrs. and FSI area of 8782.214 Sq. Mtrs. It is proposed to construct buildings having maximum heights of 119 meters.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8 (a) B2. PP informed that project has received HRC permission.

DECISION OF SEAC

After deliberation, committee decided to defer the proposal for compliance of above points.

Specific Conditions by SEAC:

1) PP to submit IOD/IOA/Concession Document/Plan Approval or any other form of documents as applicable clarifying its conformity with local planning rules and provisions there under as per the Circular dated 30.01.2014 issued by the Environment Department, Govt. of Maharashtra.
2) PP to submit letter from NMMC / CIDCO that plot is not affected by CRZ Regulations.
3) PP to submit CFO certificate.
4) PP informed that RG area admeasuring 504.77 sq.mtr should be kept on mother earth. PP to provide barricade from all sides to RG. PP to provide separate access for shops.
5) PP to maintain environmental infrastructure (STP, MSW facility, RG etc.) for entire life cycle of the project. PP may developed corpus for the same while handing the project to society.
6) PP to include fire tower in layout as per NBC norms, 2016. PP to provide fire hydrants on podium.
7) PP to submit site specific executable and auditable EMP along with implementation plan and environmental management cell provision for construction and operation phase.
8) PP to submit light and ventilation study for the project & incorporated recommendation of the study in to the project.
9) PP to submit plan for utilization of excess treated waste water.
10) PP to undertake plantation of around 600 plants. Plants may be planted on the other areas, if area is not available for plantation in the project. PP to submit plan for the same.

FINAL RECOMMENDATION

SEAC-II decided to defer the proposal till PP submits the additional information as per above conditions within 30 days

State Expert Appraisal Committee (SEAC-2)

SEAC Meeting number: 58 (Day - 2) **Meeting Date** April 6, 2018

Subject: Environment Clearance for Proposed Integrated Residential Township Project at Village : Anjur, Mankoli & Surai, Tal: Bhiwandi, Dist: Thane, Maharashtra

Is a Violation Case: No

1.Name of Project	Proposed Integrated Residential Township Project
2.Type of institution	Private
3.Name of Project Proponent	Mr. Atul Jangam, Ajitnath Hi Tech Builders Pvt. Ltd.
4.Name of Consultant	Dr. D.A.Patil ; Mahabal Enviro Engineers Pvt. Ltd.
5.Type of project	Integrated Township project
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Plot bearing S. No. 224, 225, 227, 228, 230, 231,235, 236, 237, 238, 239, 240, 241, 242, 243, 244,245, 246, 247, 248, 249, 250, 251, 252, 253, 254,255, 256, 257, 258, 260, 261, 262, 263, 264, 265,266, 267, 269, 271, 270, 271, 272, 273, 274, 275,276, 277, 278, 270, 271, 291, 292, 293, 294, 296,297, 298, 299, 301, 302 of village Anjur, S. No.34, 35, 36, 37, 40, 41, 44, 45, 46, 47, 48, 49, 50,51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63,64, 65, 66, 67, 68, 69, 70, 71, 72, 74 of village Mankoli, S. No. 9, 12, 13, 14, 15, 16, 17, 18, 19,20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32,33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43
9.Taluka	Bhiwandi
10.Village	Surai
Correspondence Name:	Mr. Atul Jangam
Room Number:	-
Floor:	-
Building Name:	Lodha Excelus
Road/Street Name:	N.M Joshi Marg
Locality:	Apollo Mills Compound, Mahalaxmi
City:	Mumbai
11.Area of the project	Mumbai Metropolitan Region Development Authority (MMRDA)
12.IOD/IOA/Concession/Plan Approval Number	MMRDA LOI vide letter no.: SROT/BSNA/2501/BP/ITP-Anjur, Mankoli & Surai/ LOI/827/2017 dated :05 July 2017
	IOD/IOA/Concession/Plan Approval Number: MMRDA LOI vide letter no.: SROT/BSNA/2501/BP/ITP-Anjur, Mankoli & Surai/ LOI/827/2017 dated :05 July 2017
	Approved Built-up Area: 1361978
13.Note on the initiated work (If applicable)	Work will be initiated after reciept of Environmental Clearance.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	MMRDA LOI vide letter no.: SROT/BSNA/2501/BP/ITP-Anjur, Mankoli & Surai/ LOI/827/2017 dated :05 July 2017
15.Total Plot Area (sq. m.)	5,60,167 m2
16.Deductions	-
17.Net Plot area	5,60,167 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 9,53,283.90
	b) Non FSI area (sq. m.): 4,08,694.0
	c) Total BUA area (sq. m.): 1361978
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	80,000 m2

20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	14.28 %
21.Estimated cost of the project	21050000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building Type A -104 nos.	G+ 19	58
2	Building Type B- 1 nos.	G+ 23	69.6
3	Building Type C- 11 nos.	G+29	87
4	EWS- 2 nos.	G+14	43.5
5	LIG- 5 nos.	G+29	87
6	Commecial Building A- 1 nos.	G+7	33.6
7	Commecial Building B- 1 nos.	G+7	33.6
8	Commecial Building C- 1 nos.	G+7	33.6
9	Commecial Building D- 1 nos.	G+7	33.6
10	Commecial Building E-1 nos.	G+7	33.6
11	Medical- 1 nos.	G+1	8.4
12	Medical- 1 nos.	G+1	8.4
13	Fire Station- 1 nos.	G+1	8.4
14	Police station- 1 nos.	G+1	6
15	Town hall- 1 nos.	G+1	13.50
16	Club house- 2 nos.	G+1	8.4
17	Meditation centre	G+1	6
18	School 1- 1 nos.	G+6	26
19	School 2- 1 nos.	G+6	26
20	MLCP: 5 Nos	G+11	30

23.Number of tenants and shops	Tenants: 72440 nos. Commercial Area & Non -residential Area
24.Number of expected residents / users	Residents: 72440 nos. ; Non-residential population: 35,624 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)	45 m, 24m and 18 m wide DP roads
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	None

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**	STEM
	Fresh water (CMD):	6933 KLD
	Recycled water - Flushing (CMD):	4087 KLD
	Recycled water - Gardening (CMD):	763 KLD
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	11020 KLD
	Fire fighting - Underground water tank(CMD):	0
	Fire fighting - Overhead water tank(CMD):	0
	Excess treated water	4509 KLD
Wet season:	**Source of water**	STEM
	Fresh water (CMD):	6933 KLD
	Recycled water - Flushing (CMD):	4087 KLD
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	11020 KLD
	Fire fighting - Underground water tank(CMD):	0
	Fire fighting - Overhead water tank(CMD):	0
	Excess treated water	5272 KLD
Details of Swimming pool (If any)	Not Applicable	

33.Details of Total water consumed

Particulars	Consumption (CMD)	Loss (CMD)	Effluent (CMD)

Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	8 to 9 m
	Size and no of RWH tank(s) and Quantity:	-
	Location of the RWH tank(s):	-
	Quantity of recharge pits:	310
	Size of recharge pits :	4 m x 1.5 m x 4 m
	Budgetary allocation (Capital cost) :	Rs. 1090 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 50 Lakhs/annum
	Details of UGT tanks if any :	Underground tanks will be provided as per National Building Code Rule, 2017
35.Storm water drainage	**Natural water drainage pattern:**	The land is flat. The slope of the area is towards North West side.
	Quantity of storm water:	Total Storm Water Run-off : 9.75 m3/sec
	Size of SWD:	0.5 m, 0.6 m, 0.7 m, 0.8 m, 1 m, 1.25 m, 2 m, 2.25 m wide channels
Sewage and Waste water	**Sewage generation in KLD:**	10327
	STP technology:	Memebrane Bio Reactor (MBR) Technology
	Capacity of STP (CMD):	1 X 3330 KLD, 1X 6040 KLD, 1X 780 KLD, 1X 700 KLD
	Location & area of the STP:	On ground. Area alloted for STP's: 8970 m2
	Budgetary allocation (Capital cost):	Rs. 3920 Lakhs
	Budgetary allocation (O & M cost):	Rs. 450 Lakhs/annum

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction debris: 39548 m3
	Disposal of the construction waste debris:	The construction debris will be utilized at project site for paving and land levelling.
Waste generation in the operation Phase:	**Dry waste:**	17.34 Tonnes/ day
	Wet waste:	26 Tonnes/ day
	Hazardous waste:	No hazardous waste will be generated.
	Biomedical waste (If applicable):	Negligible
	STP Sludge (Dry sludge):	103 m3
	Others if any:	-

Mode of Disposal of waste:	**Dry waste:**	Waste will be segregated at source. The recyclable waste will be handed over to the authorized vendor. The Non-recyclable and inert waste will be disposed through local body.
	Wet waste:	Biodegradable waste will be treated in Bio-methanisation plant.
	Hazardous waste:	-
	Biomedical waste (If applicable):	Will be disposed as per BMW Rules, 2016.
	STP Sludge (Dry sludge):	Will be used as manure
	Others if any:	E-Waste will be handed over to MPCB Authorized vendor.
Area requirement:	**Location(s):**	On ground
	Area for the storage of waste & other material:	2550 m2
	Area for machinery:	1700 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 810 Lakhs
	O & M cost:	Rs. 420 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 :**	1,52,558 m2
	No of trees to be cut :	132 nos.
	Number of trees to be planted :	6507 nos.
	List of proposed native trees :	Gardenia Jaminoides, Acacia Auriculiformis , Polyanthia Longifolia, Pletoforum Petrocarpum, Azardirachta Indica, Brebelia Retusa, Cocus Nucifera, Pongamia Pinnata, Mutingia Calabura , Bahumia Purpuvea, Bambusa Vulgaris, Terminalia Cuniata, Erythrina Indica, Acacia Catechu, Mangifera Indica, Butea Monosperma , Manilkara Zapota, Albiza Lebbeck, Alstonia Scholaris, Peltophorum Ferrugineum, Cassia Fistula , Millingtonia Hortensis,Mimosups Elengi , Pulmeria Alba, Anthocephallus Cadamba, Nerium Indicu
	Timeline for completion of plantation :	With completion of construction .

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Gardenia Jaminoides	Ananta	140	-
2	Acacia Auriculiformis	Acacia	395	-
3	Polyanthia Longifolia	Ashoka	350	-
4	Pletoforum Petrocarpum	Peltoforum	120	-
5	Azardirachta Indica	Neem	187	Large tree, good for roadside plantation
6	Brebelia Retusa	Asan	155	-
7	Cocus Nucifera	Coconut	360	-
8	Pongamia Pinnata	Karanj	210	Shady tree
9	Mutingia Calabura	Cherry	313	-
10	Bahumia Purpuvea	Kanchan	116	-
11	Bambusa Vulgaris	Golden Bamboo	103	-
12	Terminalia Cuniata	Arjun	108	-
13	Erythrina Indica	Pangara	210	Medium sized deciduous tree. Bright scarlet flowers.
14	Acacia Catechu	Khair	155	-
15	Mangifera Indica	Mango	100	-
16	Butea Monosperma	Palas	120	Medium sized deciduous tree. Beautiful orange flowers, Butterfly host plant
17	Manilkara Zapota	Chiku	440	-
18	Albiza Lebbeck	Shirish	130	Shady tree, yellowish green fragrant flowers
19	Alstonia Scholaris	Saptparni	108	-
20	Peltophorum Ferrugineum	Copper pod tree	155	-

21	Cassia Fistula	Bahava	186	Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plant
22	Millingtonia Hortensis	Indian Cork Tree	200	-
23	Mimosups Elengi	Bakul	250	Shady tree, small white fragrant flowers
24	Pulmeria Alba	Chapha	408	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
25	Anthocephallus Cadamba	Kadamb	600	Shady, large tree, ball shaped flowers.
26	Nerium Indicum	Kanher	208	-
27	Lagerstroemia Flos-reginae	Tamhan	108	State flower tree of Maharashtra Medium sized tree, beautiful purple flowers
28	Murraya Paniculata	Kunti	140	Small tree, Fragrant white flowers, Butterfly host plant
29	Aegle Marmelos	Bel	156	-
30	Psidium Guajava	Guava	276	-
31	TOTAL	-	6507	-
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL/TORRENT
	During Construction Phase: (Demand Load)	3000 KVA
	DG set as Power back-up during construction phase	1000 KVA
	During Operation phase (Connected load):	-
	During Operation phase (Demand load):	71.89 MW
	Transformer:	-
	DG set as Power back-up during operation phase:	21000 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	-

48.Energy saving by non-conventional method:

Provision of Solar PV Panels: 720 kW

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Energy efficient lighting using LED lamps Use of high energy efficient pumps for fire fighting, UG tanks and STP, LED lights are proposed for common areas such as open spaces, pathways RG etc., Provision of Solar PV Panels (720kW)	18.5%

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. 1100 Lacs
	O & M cost:	Rs. 75 Lacs/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	6
2	-	Site sanitation Facility and its maintenance	10
3	-	Potable Water Supply to Labour	6
4	-	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
5	-	Health check-up & first aid	6
6	-	Solid waste management	4
7	-	Safety Personal Protective Equipment (Helmets, Safety Shoes, Safety Belt, Googles, Hand Gloves etc.)	16
8	-	Traffic Management (Sign Boards, Persons at entry exit and Parking area)	6
9	-	Safety nets	25
10	-	Tyre cleaning and Vehicle maintenance	5

11	-	Safety Training to Workers (Twice in Year), Safety Officer	8
12	-	Disinfection	4
13	Total	-	101

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)	3920	450
2	-	Solar System	1100	75
3	-	Rainwater harvesting	1090	50
4	-	Solid Waste Composting plant	810	420
5	-	Landscape	1525.6	228.8
6	-	Environmental Monitoring	-	5
7	-	-	8445.6	1228.8

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:**	No Basement
	Number and area of podia:	5 MLCP (G + 11 Floors)
	Total Parking area:	528933.7 m2
	Area per car:	25.1 m2
	Area per car:	25.1 m2
	Number of 2-Wheelers as approved by competent authority:	35412 Nos.
	Number of 4-Wheelers as approved by competent authority:	18957 Nos.
	Public Transport:	-
	Width of all Internal roads (m):	6 m and 12 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: 8.2 km, Tungareshwar Wild Life Sanctuary: 11 km
	Category as per schedule of EIA Notification sheet	8 (b)
	Court cases pending if any	None
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	10-05-2017

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Not Available.

Brief information of the project by SEAC

Environment clearance for proposed integrated residential township project at village Anjur , Mankoli, Surai, Tal. Bhiwandi, Dist. Thane by Ajitnath Hi Tech Builders Pvt. Ltd.

Project proponent Shri Abhishek Lodha was present during the meeting. Project was presented before the committee as per the approved TOR dated 13/06/2017 by MoEF & CC. Layout & plans were approved by Planning Authority. Plot area under the project is 560167 sq. mt. Total Construction area under the project 1361977.9 sq. mt. PP presented the project before the committee. PP stated that, project will provided over 14000 numbers of affordable housing tenements. The proposed project will have residential buildings, commercial buildings & public facilities like school, health Centre, shopping Centre fire center, burial ground, cremation ground, transport hub, police station, club house, meditation Centre etc.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8 (a) B2.

PP informed that project is zero discharge project. It was informed that treated water will be used for agriculture area which belongs to PP. Further excess treated waste water will be used for plantation on highway medians, DP Roads. Two Holding ponds of adequate holding capacity are proposed to hold treated waste water having BOD less than 5 mg per liter per day for 45 days. For treating the waste water four sewage treatment plants of 10850 KLD have been provided. It was also presented that, treated waste water will also be used for mobile & stationery sprinklers to settle the dust on roads & open spaces. PP agreed to increase the tree cover from 6507 trees to 8000 trees.

PP agreed to provide one biogas generation unit to scientifically handle Biodegradable waste. Further MSW facilities is placed away from Nallas & Natural water channels to avoid the contamination of water sources. PP also agreed to provide plastic shredding & crushing units to handle the plastic waste & also informed that, he will put emphasis to make project as a plastic free zone. Width of the internal roads is ranging from 6 m to 12 m. Multi - level car Parking is provided to accommodate 18957 four wheeler parking & open parking for 35412 two wheeler has been proposed. PP agreed to provide charging points for electric buses & cars. PP also agreed to provide dedicated cycle lane.

Environmental facilities will be operated & maintained by PP through-out the life cycle of the project. It is also proposed to provide Noise buffers along the proposed railway line indicated in the DP & will also develop green mounds along the Railway line. As per the shadow analysis study , the distance between the towers is 40 m so that, buildings affected by shadow will have sufficient amount of day light, further for improving light & ventilation opening at 8th & 13th floors have been provided on the affected buildings.

DECISION OF SEAC

After deliberation committee decided to recommend the proposal for Environmental clearance to SEIAA.

Specific Conditions by SEAC:

1) PP to ensure that energy saving through renewable sources should be 4 % of the net electric load. To achieve the same PP may explore installation of wind solar hybrid system .

FINAL RECOMMENDATION

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

State Expert Appraisal Committee (SEAC-2)

SEAC Meeting number: 58 (Day - 2) **Meeting Date** April 6, 2018

Subject: Environment Clearance for EXPANSION OF PROPOSED PROJECT & EXTENSION OF EARLIER OBTAINED EC

Is a Violation Case: No

1.Name of Project	Proposed Redevelopment - Slum Rehabilitation Scheme On Plot Bearing C. T. S. No. 7 (Pt.) Of Village Borla, Govandi (W.) Mumbai 400 043, For Panchasheel SRA CHS Ltd. & Ekta SRA CHS Ltd.
2.Type of institution	Private
3.Name of Project Proponent	M/s. Lakadawala Developers Pvt. Ltd.
4.Name of Consultant	AQURA Enviro Projects Private Limited
5.Type of project	Slum Rehabilitation Scheme
6.New project/expansion in existing project/modernization/diversification in existing project	EXPANSION
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Earlier obtained environmental clearance EC vide letter No. SEAC-2010/374/CR.279/TC.2 dated 13.09.2010.
8.Location of the project	C. T. S. No. 7 (Pt.)
9.Taluka	KURLA
10.Village	BORLA
Correspondence Name:	SWATI DOSHI
Room Number:	--
Floor:	First
Building Name:	Lathiwala Apartment
Road/Street Name:	Shivdas Chapshi Road
Locality:	Near Sales Tax Office
City:	Mazgaon, Mumbai - 400010
11.Area of the project	Municipal Corporation of Greater Mumbai
12.IOD/IOA/Concession/Plan Approval Number	IOA - Letter no. SRA/ENG/2747/ME/ML/AP dated 5th Jan 2012
	IOD/IOA/Concession/Plan Approval Number: IOA - Letter no. SRA/ENG/2747/ME/ML/AP dated 5th Jan 2012
	Approved Built-up Area: 73640.62
13.Note on the initiated work (If applicable)	Construction area on site: 41127.99 Sq. m.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	LOI No. SRA/ENG/970/ME/ML/LOI dated 9th Nov 2017
15.Total Plot Area (sq. m.)	19152.53
16.Deductions	6588.60
17.Net Plot area	11821.55
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 19152.53
	b) Non FSI area (sq. m.): 128558.65
	c) Total BUA area (sq. m.): 147711.18
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	4447.459
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	36%
21.Estimated cost of the project	5000000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Rehab – Building No 2	Ground + 24 Upper Floors	69.30
2	Rehab – Building No 3	Ground + 24 Upper Floors	68.30
3	Rehab – Building No 3	Ground + 24 Upper Floors	68.30
4	Sale Building No. 4 (Wing A, B & C)	2 Level Basement + Ground (Part) + 25 Upper Floors	80.80

23.Number of tenants and shops	Rehab Building No 2: 370 Rehab Building No 3: 440 Sale Building No. 4: 582 Total: 1392
24.Number of expected residents / users	Rehab Building No 2: 1504 Rehab Building No 3: 1760 Sale Building No. 4: 2616 Total: 5880
25.Tenant density per hectare	752T/H
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	23.80 m wide D. P. Road on South, 23.80 m wide D. P. Road on East
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	6.00 m
29.Existing structure (s) if any	There are Approx. 200 Slums on the plot of proposed Rehab 3.
30.Details of the demolition with disposal (If applicable)	Existing Structures which are approx. 200 Slums of the Rehab 3 plot area will be demolished in the near future with prior permissions of the demolition from competent authority.

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	MCGM
	Fresh water (CMD):	588
	Recycled water - Flushing (CMD):	295
	Recycled water - Gardening (CMD):	9.3
	Swimming pool make up (Cum):	5
	Total Water Requirement (CMD) :	883
	Fire fighting - Underground water tank(CMD):	900
	Fire fighting - Overhead water tank(CMD):	140
	Excess treated water	396
Wet season:	**Source of water**	MCGM
	Fresh water (CMD):	413
	Recycled water - Flushing (CMD):	295
	Recycled water - Gardening (CMD):	--
	Swimming pool make up (Cum):	5
	Total Water Requirement (CMD) :	708
	Fire fighting - Underground water tank(CMD):	900
	Fire fighting - Overhead water tank(CMD):	140
	Excess treated water	408
Details of Swimming pool (If any)	5 CMD water will be source from Tanker Water of Potable quality.	

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:**	Above 4 m
	Size and no of RWH tank(s) and Quantity:	3 RWH tanks of 41, 56 & 93 Cum
	Location of the RWH tank(s):	Below Ground
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	15 lacs
	Budgetary allocation (O & M cost) :	1.5 lacs/year
	Details of UGT tanks if any :	Fire Fighting Tank: 3 Nos. of Total 900 CMD Domestic Water Tank: 3 Nos. of Total 588 CMD Flushing Water Tank: 3 Nos. of Total 296 CMD Rain Water Harvesting Tank: 3 Nos. of Total 190 CM
35.Storm water drainage	**Natural water drainage pattern:**	SWD by Gravity & connected to south side
	Quantity of storm water:	0.092 m3/Sec, 0.127 m3/Sec, 0.206 m3/Sec
	Size of SWD:	Ranging from 300 450 mm wide storm water drain Channel, Slope 1:250, 1: 350 & 1:450
Sewage and Waste water	**Sewage generation in KLD:**	781 KLD
	STP technology:	Moving Bed Bio-Reactor (MBBR) Technology
	Capacity of STP (CMD):	3 STP of 172 KLD, 210 KLD & 399 KLD = 781 KLD
	Location & area of the STP:	Below Ground, Area for 3 STPs: 94 Sq. M. + 102 Sq. M. + 333 Sq. M. = 529 Sq. M.
	Budgetary allocation (Capital cost):	70 Lacs
	Budgetary allocation (O & M cost):	11 Lacs/year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Debris & construction waste shall be generated. Recyclable waste will be generated like empty cement bags & cans, scrap metal etc.
	Disposal of the construction waste debris:	Recyclable waste like empty cement bags & empty paint cans shall be handed over to local vendors. Broken tiles shall be used for china mosaic of terrace. Scrap metals shall be sold to recyclers. Disposal of construction waste will be as per “Construction and Demolition and De-silting Waste” (Management and Disposal) Rules 2006 at the designated site as directed by the MCGM.
Waste generation in the operation Phase:	**Dry waste:**	1616 Kg/Day
	Wet waste:	1078 Kg/Day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	85 Kg/day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Dry waste would be further segregated into recyclable and nonrecyclable. Recyclable will be handed over to authorize vendors and non recyclable will be disposed off at MCGM landfill sites
	Wet waste:	Wet Garbage will be treated in Mechanical Composting Unit 'Organic Waste Convertor' (OWC) and the compost generated would be used as manure for gardening purpose and excess would be disposed off to landfill site of MCGM or would be sold to authorize vendors.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Dry sludge would be used as manure for gardening purpose and excess would be disposed off to landfill site of MCGM or would be sold to authorize vendors
	Others if any:	NA
Area requirement:	**Location(s):**	Ground Level
	Area for the storage of waste & other material:	50 + 30 + 72= 152 Sq. M.
	Area for machinery:	30 Sq. M.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	55 Lacs
	O & M cost:	5 Lacs

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	1254.77 SQ M
	No of trees to be cut :	NIL
	Number of trees to be planted :	NIL
	List of proposed native trees :	Cassia fistula, Azadiracta indica, Erythrina indica, MIMSOPS ELENGI, MURRAYA PANICULATA, MAGNIFERA INDICA, PONGAMIA PINNATA, BOMBAX CEIBA, SARACA ASOCA
	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	CASSIA FISTULA	BAHAWA	34	Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plant
2	AZARDIRACHTA INDICA	NEEM	43	Medicinal Tree
3	MIMSOPS ELENGI	BAKUL	12	SHADY TREE
4	MURRAYA PANICULATA	KUNTI	41	Flowering Tree
5	MAGNIFERA INDICA	MANGO	3	SHADY TREE
6	PONGAMIA PINNATA	KARANJ	18	MEDICINAL VALUE
7	BOMBAX CEIBA	KATESAVAR	5	ORNAMENTAL TREE
8	SARACA ASOCA	SITA ASHOK	13	ORNAMENTAL TREE
9	ERYTHRINA INDICA	PANGARA	3	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	NA	NA	NA

47.Energy

Power requirement:	**Source of power supply :**	TATA Power
	During Construction Phase: (Demand Load)	100 KW
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	4669.0 KW
	During Operation phase (Demand load):	2550.0 KW
	Transformer:	The rating of the transformers are to be decided by Electrical Supply Company.
	DG set as Power back-up during operation phase:	1noDG set of 750kVA FOR SALE BUILDING
	Fuel used:	HSD/LDS
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

? 10% of External Lighting on Solar PV Panels and rest lighting with timer controlled Operation for reducing amount of light at different stages as per requirements.
? All lifts are with VFD drives.
? All water pump motors will be used High Efficiency motors with High low level sensors.
? 10% of common area lighting considered on Solar PV Panels.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	REHAB 2 - 10% of External Lighting on Solar PV Panels and rest lighting with timer controlled Operation for reducing amount of light at different stages as per requirements. ? All lifts are with VFD drives. ? All water pump motors will be used High Efficiency motors with High low level sensors. ? 10% of common area lighting considered on Solar PV Panels.	5% (INTERNAL + EXTERNAL LOAD)
2	REHAB 3 - 10% of External Lighting on Solar PV Panels and rest lighting with timer controlled Operation for reducing amount of light at different stages as per requirements. ? All lifts are with VFD drives. ? All water pump motors will be used High Efficiency motors with High low level sensors. ? 10% of common area lighting considered on Solar PV Panels.	7% (INTERNAL + EXTERNAL LOAD)
3	SALE BUILDING 4 - 10% of External Lighting on Solar PV Panels and rest lighting with timer controlled Operation for reducing amount of light at different stages as per requirements. ? All lifts are with VFD drives. ? All water pump motors will be used High Efficiency motors with High low level sensors. ? 10% of common area lighting considered on Solar PV Panels.	6% (INTERNAL + EXTERNAL LOAD)

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:**	78 LACS
	O & M cost:	3.5 LACS/YEAR

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water for dust suppression	2
2	Water Environment	Sanitation	2
3	Water Environment	Drinking water	2
4	Environment health and Safety	Health check up	150000
5	Environment health and Safety	Disinfection	150000
6	Environment management	Environmental Monitoring	7.25

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Waste Water Management	3 Nos. Of STPs of Total Capacity 781 KLD	70	11
2	Water Environment	3 Nos. Of RWH tanks of Total Capacity 190 KL	15	1.5
3	Solid Waste Management	Cost fot treatment of Biodegrabale waste of 1078 Kg/Day	55	5
4	Air Environment	Tree Plantation & Landscaping	44	2
5	Energy Conservation	Solar Panels	78	3.5

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

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

52.Any Other Information

No Information Available

53.Traffic Management		
	Nos. of the junction to the main road & design of confluence:	Two major junctions near the proposed development namely Bhagwan Shastri junction and MHADA Colony junction on P L Lokhande Marg and Ghatkopar Mankhurd Link Road respectively.
Parking details:	**Number and area of basement:**	2 Nos. – 5620.99 Sq. m.
	Number and area of podia:	NA
	Total Parking area:	8799.66 Sq. m. (stilt parking on the ground floor+2 basement parking)
	Area per car:	17.6 Sq.m.
	Area per car:	17.6 Sq.m.
	Number of 2-Wheelers as approved by competent authority:	50 Nos.
	Number of 4-Wheelers as approved by competent authority:	215 (Mechanical parking) + 285 Nos. = 500
	Public Transport:	NA
	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	Sanjay Gandhi National Park – Approx. 9.00 Km
	Category as per schedule of EIA Notification sheet	Category 'B' 8(a) B2 {Building and Construction projects = 20,000 sq. m. and <1,50,000 sq. m. of built-up area}
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	12-09-2017

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Not Available.

Brief information of the project by SEAC

Environment Clearance for EXPANSION OF PROPOSED PROJECT & EXTENSION OF EARLIER OBTAINED EC On Plot Bearing C. T. S. No. 7 (Pt.) Of Village Borla, Govandi (W.) Mumbai 400 043, For Panchasheel SRA CHS Ltd. & Ekta SRA CHS Ltd.

DECISION OF SEAC

PP remained absent

Specific Conditions by SEAC:

FINAL RECOMMENDATION

SEAC-II decided to defer the proposal till PP submits the additional information as per above conditions within 30 days

State Expert Appraisal Committee (SEAC-2)

SEAC Meeting number: 58 (Day - 2) **Meeting Date** April 6, 2018

Subject: Environment Clearance for Residential & Commercial Development at Pocket D and E, Sector 60, Nerul in Navi-Mumbai

Is a Violation Case: No

1.Name of Project	Residential & Commercial Development at Pocket D and E, Sector 60, Nerul in Navi-Mumbai
2.Type of institution	Private
3.Name of Project Proponent	Residential & Commercial Development at Pocket D and E, Sector 60, Nerul in Navi-Mumbai
4.Name of Consultant	Environmental Consultant- Building Environment (India) Pvt. Ltd. Dakshina Building, Hrushikesh Kolatkar (Director) Office No-401,4th Floor, Beside Raigad Bhavan | Sakal Bhavan Rd, Sector 11 | CBD Belapur, Navi Mumbai, Maharashtra 400 614. Architect - Dimensions Architects Pvt Ltd. Vijay Ramamurthy (director) Dimensions Architects Pvt Ltd. Dimensions Architects Pvt Ltd. Plot No. 99, Sector - 08, Near Sagar Vihar, Vashi, Navi Mumbai - 400 703 , MEP consultant Ramboll India Pvt Ltd. Sooraj Nair (
5.Type of project	Residential cum Commercial Development
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	Pocket D and E, Sector 60, Nerul in Navi Mumbai
9.Taluka	Thane
10.Village	Karave
Correspondence Name:	M/s Mistry Construction Co.Pvt Ltd (project proponent)
Room Number:	337,Chandvarkar road, Matunga, Mumbai-19
Floor:	NA
Building Name:	NA
Road/Street Name:	NA
Locality:	Matunga
City:	Mumbai
11.Area of the project	within jurisdiction of CIDCO
12.IOD/IOA/Concession/Plan Approval Number	CIDCO has issued the LOI vide letter no. CIDCO/ BP/15516/TPO (NM) /2017/487 dated 30/08/2017
	IOD/IOA/Concession/Plan Approval Number: CIDCO has issued the LOI vide letter no. CIDCO/ BP/15516/TPO (NM) /2017/487 dated 30/08/2017
	Approved Built-up Area: 104679.77
13.Note on the initiated work (If applicable)	No work initiated
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	CIDCO has issued the LOI vide letter no. CIDCO/ BP/15516/TPO (NM) /2017/487 dated 30/08/2017
15.Total Plot Area (sq. m.)	27,000sqm
16.Deductions	nil
17.Net Plot area	27,000 sqm
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 39833.22
	b) Non FSI area (sq. m.): 64846.55
	c) Total BUA area (sq. m.): 104679.77
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	21330 sqm

20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	79%
21.Estimated cost of the project	3943714320

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Tower A - 4 Number	4	16
2	Tower B - 2 Number	11	39
3	Tower C - 3 Number	14	48

23.Number of tenants and shops	Tenants 336 Shops : 15
24.Number of expected residents / users	Residential 1680; Commercial :524
25.Tenant density per hectare	125
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	20.0 M
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	6 M inner & 9.0 M outer
29.Existing structure (s) if any	No
30.Details of the demolition with disposal (If applicable)	Not applicable

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	CIDCO / NMMC water supply
	Fresh water (CMD):	164
	Recycled water - Flushing (CMD):	88
	Recycled water - Gardening (CMD):	45
	Swimming pool make up (Cum):	5
	Total Water Requirement (CMD) :	252
	Fire fighting - Underground water tank(CMD):	Building 1& 2 Not required, Building 3&4 -75 KL & building 5 - 150 KL
	Fire fighting - Overhead water tank(CMD):	Building 1& 2 - 250 KL, Building 3&4 -5 KL & building 5 - 10 KL
	Excess treated water	92
Wet season:	**Source of water**	CIDCO / NMMC water supply
	Fresh water (CMD):	164
	Recycled water - Flushing (CMD):	88
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	252
	Fire fighting - Underground water tank(CMD):	Building 1& 2 Not required, Building 3&4 -75 KL & building 5 - 150 KL
	Fire fighting - Overhead water tank(CMD):	Building 1& 2 - 250 KL, Building 3&4 -5 KL & building 5 - 10 KL
	Excess treated water	225
Details of Swimming pool (If any)	17.5 M X 42 M	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	3.2 mts
	Size and no of RWH tank(s) and Quantity:	1 no. 220 cum;1 no 150 cum ; (220 cum -10M X 6.2M X 3.6M); (150 cum -10M X 4 M X 3.5M)
	Location of the RWH tank(s):	Underground
	Quantity of recharge pits:	NIL
	Size of recharge pits :	NIL
	Budgetary allocation (Capital cost) :	20 LAKHS
	Budgetary allocation (O & M cost) :	1 LAKH/YR
	Details of UGT tanks if any :	Potable water - Domestic: litres (1no.) - 164 KL with 1 Day Storage capacity Recycled Water - Flushing litres) (1 no.) - 88 KL with 1 day storage capacity
35.Storm water drainage	**Natural water drainage pattern:**	The arrangement for disposal of SW through and from the plot as per the remarks of SW department
	Quantity of storm water:	218 CUM at 100 mm/hr rainfall
	Size of SWD:	Drain Size Length 0.6 X Depth 0.3 (at Start) with 1:300 slope
Sewage and Waste water	**Sewage generation in KLD:**	223
	STP technology:	SBR
	Capacity of STP (CMD):	1 NO. 240 KLD
	Location & area of the STP:	under ground (Basement 1)
	Budgetary allocation (Capital cost):	25 lakhs
	Budgetary allocation (O & M cost):	6 lakhs/yr
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	815 kg/day
	Disposal of the construction waste debris:	Construction debris like brick,blocks,PCC waste,concrete waste will be used for site filling,tiles,glass,metals waste will be sent to local recyclers/vendors.Pint cans will be sold to local vendors.
Waste generation in the operation Phase:	**Dry waste:**	302 kg/day
	Wet waste:	450 kg/day
	Hazardous waste:	177 kg / month from DG only
	Biomedical waste (If applicable):	Nil
	STP Sludge (Dry sludge):	58.75 kg/day
	Others if any:	e-waste .05 T / Year

Mode of Disposal of waste:	**Dry waste:**	Recyclables like plastic, paper, glass and metal will be handled over to local recyclers.
	Wet waste:	Composting through Organic Waste Composter /treated in Mobi Trash & used at site/as manure
	Hazardous waste:	Cannot be quantified at this stage as this is a residential project.
	Biomedical waste (If applicable):	NIL
	STP Sludge (Dry sludge):	Used as manure within the premises for plants. Excess shall be sold /handover to outside parties or gardens.
	Others if any:	NIL
Area requirement:	**Location(s):**	GROUND
	Area for the storage of waste & other material:	waste segregation 60 sqm, OWC 20 sqm and e-waste storage 10 sqm
	Area for machinery:	10
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	55 LAKHS
	O & M cost:	11 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 SINCE ITS RESIDENTIAL PROJECT
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	SBR (residential project)
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	HSD	4	Not applicable	0.3	400 deg cel

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	High Speed Diesel	Not applicable	HSD	Not applicable

41.Source of Fuel	HSD from nearby petrol pump

42.Mode of Transportation of fuel to site	through mobile van in container of 100 lit

43.Green Belt Development	**Total RG area :**	Ground level -1727 sq.m;Podium level - 6164 sqm
	No of trees to be cut :	Native 55 nos and Subabul (weed) 618
	Number of trees to be planted :	550 Trees - (3 Trees per 1 tress cut and + 1 tree per 80 sqm
	List of proposed native trees :	Attached list of native trees and shrubs to planted
	Timeline for completion of plantation :	Throughout construction period

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	ATTACHED	ATTACHED	ATTACHED	ATTACHED
2	ATTACHED	ATTACHED	ATTACHED	ATTACHED
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	ATTACHED	ATTACHED	ATTACHED

47.Energy

Power requirement:	**Source of power supply :**	Maharashtra State Electricity Distribution Co. Ltd (MSEDCL)
	During Construction Phase: (Demand Load)	300KW
	DG set as Power back-up during construction phase	1 No of 125 KVA
	During Operation phase (Connected load):	5415 KW
	During Operation phase (Demand load):	2200 KW
	Transformer:	630 KVA x 7 No
	DG set as Power back-up during operation phase:	500 kva (3no.s) ,140 kva x1 no , 400 kva x i no.
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

? Light fixtures will be used with energy saving CFL & T5 fluorescent tube with electronic chocks.
? Use of Solar energy for street & landscape lightings& water heating purpose.
? Small capacity transformers having low no load and load losses.
? Selection of Energy efficient equipments (BEE STAR RATED)

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar hot water, LED lights for common area, VFD in lifts, external lights on solar.	25.38%

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Installation of STP ,Installation of RWH system,Sprinkling water twice/thrice a day in construction phase,For treatment of Bio degradable waste OWC model will be installed ,Segregation of wet and dry waste,

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	INR 30,000,00
	O & M cost:	INR 2.2 Lakhs

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Dust Pollution	Water Sprinkling	0.6
2	Site Sanitation,Health Check up	Site Sanitation, Disinfection & Health Check Up	3.2
3	Environmental Monitoring	Environmental Monitoring of air,noise,soil and water	1.4
4	Green area development	Green area development	0.7
5	EM Cell	EM Cell	1
6	DMP equipments	Fire fighting equipments,Disaster Management Kit (First Aid Facility, Stretcher, A portable battery-powered radio, Flashlight and extra batteries, First aid kit and first aid manual, Safety shoes, helmets, Hand gloves, fire mask, fire blanket, Axe, Cutter) ,Well-equipped Control Room , CCTV ,2 way Public announcement system	9.5
7	Barricading	Screens along perimeter of site	8

8	Personal Protective equipments	Personal Protective equipments against noise,dust ,accidents etc	0.5
9	Periodic maintenance of construction equipment	Periodic maintenance of construction equipment	0.5

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Installation of STP	STP	28.5	6.2
2	RWH system	RWH system	23	1.5
3	Solid waste mgmt	Solid waste mgmt	12	4.5
4	Energy conservation	Solar Panels	125	15.8
5	Maintenance of green area	green area development	6.2	1.1
6	Maintenance of DMP equipments	Fire fighting equipments((Sprinkling System, Fire alarm, Portable fire extinguishers, Fire Tanks, Water lift pumps, Fire Hydrant Cabinets with hose reels, Fire Hydrants pumps, Fire Lifts, Fire alarm, fire Curtains)),Disaster Management Kit (First Aid Facility, Stretcher, A portable battery-powered radio, Flashlight and extra batteries, First aid kit and first aid manual, Safety shoes, helmets, Hand gloves, fire mask, fire blanket, Axe, Cutter) ,Well-equipped Control Room , CCTV ,2 way Public an	4.5	2.5
7	EM cell	EM cell	2.5	0.3

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

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

52.Any Other Information

No Information Available

53.Traffic Management		
	Nos. of the junction to the main road & design of confluence:	The access to the property is through service road of Palm beach road and 20.0 m wide DP road
Parking details:	**Number and area of basement:**	2 nos of 23350 sqm each
	Number and area of podia:	1 no 9122 sqm
	Total Parking area:	40425 sqm
	Area per car:	38.5 m2 including cicualtion (car bay 12.5 sqm)
	Area per car:	38.5 m2 including cicualtion (car bay 12.5 sqm)
	Number of 2-Wheelers as approved by competent authority:	10% area
	Number of 4-Wheelers as approved by competent authority:	1050
	Public Transport:	Navi Mumbai Municipal Transport (NMMT) bus service along palm beach road, Sub-urban railway (harbor line) - seawood Railway Station at a distance of 2 kms and CBD Belapur station - 3 Km, Proposed airport of Navi Mumbai is at a distance of 3.5 km and Mumbai airport is at a distance of 28 kms.
	Width of all Internal roads (m):	9.0 Meter
	CRZ/ RRZ clearance obtain, if any:	The Project Residential & Commercial Development at Pocket D and E, Sector 60, Nerul in Navi Mumbai is beyond CRZ area
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi national park & ESZ – 16 Km Thane creek flamingo sanctuary – 8 Km Karnala Bird sanctuary – 10 Km Matheran ESZ – 18 Km
	Category as per schedule of EIA Notification sheet	8 (a) Building Construction category
	Court cases pending if any	No court case is pending for pocket D and E.
	Other Relevant Informations	nil
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Not Available.

Brief information of the project by SEAC

PP submitted application for residential & commercial development at pocket D & E at Sec. 16, Nerul. It was informed that, proposed development is in non CRZ area as per the approved CZMPs, & therefore, clearance from CRZ point of view not required. However, committee observed that, there is variation in the nomenclature of the plots under consideration as it was not matching with the notification issued by Urban Development Department.

Further, committee also considered the presentation received through email alleging that, the plots on which development in proposed are in CRZ area / wetland. Complainants Shri Sunil Agrawal & his team was given hearing on the allegations made. PP Mr. Modi, presented that, Hon'ble Court has only asked them to remove debris from water body & the Forest Officer should confirm the status of the land by visiting the site. Further, stated that, D/ E are separate plots & CIDCO has issued LOI on 30/08/2017 on plot with old D & E , Sec. 60 at Nerul. LOI is for total construction area of 104679.77 sq. mt. It is stated that, CIDCO has change nomenclature of the plots.

DECISION OF SEAC

After deliberation committee decide to defer the matter for the compliance as above.

Specific Conditions by SEAC:

1) PP to submit documentary evidence from the competent authority regarding the clarification of on nomenclature of the plots under consideration.
2) PP to submit details of the court matter / orders pertaining to the matter & status of the land.
3) PP to submit from the CIDCO that, for which plots LOI has been issued & it's matching with the then nomenclature of the plots, since two A's & two D's as per new notification dated 11/10/2016 & letter dated 03/11/2017.
4) PP was also asked to submit the visit report submitted by forest officer in the Hon'ble Court as per the direction given by the court.

FINAL RECOMMENDATION

SEAC-II decided to defer the proposal till PP submits the additional information as per above conditions within 30 days

State Expert Appraisal Committee (SEAC-2)

SEAC Meeting number: 58 (Day - 2) **Meeting Date** April 6, 2018

Subject: Environment Clearance for Environmental Clearance for proposed Residential-Cum-Commercial building on Plot No.2, Sector-16, Sanpada Node, Navi Mumbai for

Is a Violation Case: No

1.Name of Project	Proposed Residential + Commercial project
2.Type of institution	Private
3.Name of Project Proponent	M/s. S.T. K. Corporation
4.Name of Consultant	M/s. Enviro Analysts & Engineers Pvt. Ltd.
5.Type of project	Proposed 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	Not applicable
8.Location of the project	Plot 02, Sector-16, Sanpada,Navi Mumbai
9.Taluka	Sanpada
10.Village	Sanpada
Correspondence Name:	M/s. S.T. K. Corporation
Room Number:	Plot No. 219
Floor:	“Laalasis”, Plot No. 219, 11th Road, Chembur
Building Name:	“Laalasis”, Plot No. 219, 11th Road, Chembur
Road/Street Name:	“Laalasis”, Plot No. 219, 11th Road, Chembur
Locality:	Chembur
City:	Mumbai
11.Area of the project	Navi Mumbai Municipal Corporation (NMMC)
12.IOD/IOA/Concession/Plan Approval Number	CC received dated 30.03.2007
	IOD/IOA/Concession/Plan Approval Number: ?? ???/??? ????/???? /??? /???.??? ? -???? /???? /??
	Approved Built-up Area: 16932
13.Note on the initiated work (If applicable)	-
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	not applicable
15.Total Plot Area (sq. m.)	11,288.08
16.Deductions	--
17.Net Plot area	11,288.08
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 16,932.12
	b) Non FSI area (sq. m.): 46,037.52
	c) Total BUA area (sq. m.): 62969
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	7362.88
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	65.22%
21.Estimated cost of the project	980000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	One building with 4 wings-Wings A,B,C & D	1 building- Stilt + 3 podium + 4 to 21 residential floors	69.95 m

23.Number of tenants and shops	Residential = 340 no's Shops = 14 no's Shops = 52 nos. Clubhouse- 198 nos.
24.Number of expected residents / users	Residential = 1704 nos. Shops = 52 nos. Clubhouse- 198 nos.
25.Tenant density per hectare	304 tenants/hector
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	40.00 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	9.00 m wide
29.Existing structure (s) if any	none
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**	NNMC/treated water from STP
	Fresh water (CMD):	169 KLD
	Recycled water - Flushing (CMD):	79 KLD
	Recycled water - Gardening (CMD):	16 KLD
	Swimming pool make up (Cum):	10 KLD
	Total Water Requirement (CMD) :	264 KLD
	Fire fighting - Underground water tank(CMD):	200 cum
	Fire fighting - Overhead water tank(CMD):	10 Cum
	Excess treated water	130 KLD
Wet season:	**Source of water**	NMMC/RWH/ treated water from STP
	Fresh water (CMD):	169 KLD
	Recycled water - Flushing (CMD):	79 KLD
	Recycled water - Gardening (CMD):	00 KLD
	Swimming pool make up (Cum):	10 KLD
	Total Water Requirement (CMD) :	248 KLD
	Fire fighting - Underground water tank(CMD):	200 cum
	Fire fighting - Overhead water tank(CMD):	10 Cum
	Excess treated water	146 KLD
Details of Swimming pool (If any)	AREA - 300 sqm, MAKEUP WATER EVAPORATION OF WATER -4 KLD, FILTER BACK WASH @ 10 MINS BACK WASH PER DAY-10KLD	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	0.5 m – 0.7 m bgl
	Size and no of RWH tank(s) and Quantity:	1 no. of RWH tank having capacity of 169 cum
	Location of the RWH tank(s):	Ground
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Rs 6.00 Lakhs
	Budgetary allocation (O & M cost) :	Rs 0.3 Lakhs /Annum
	Details of UGT tanks if any :	Domestic Water Tank 254 cum Flushing Water Tank 140 cum & 4 cum Fire Water Tank 200 cum Rain Water Harvesting Tank 169 cum Location of tank Ground
35.Storm water drainage	**Natural water drainage pattern:**	0.35cum/sec
	Quantity of storm water:	0.45m X 0.70m
	Size of SWD:	East to West
Sewage and Waste water	**Sewage generation in KLD:**	228 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	1x 250 KLD
	Location & area of the STP:	ground
	Budgetary allocation (Capital cost):	Rs 29 Lakhs
	Budgetary allocation (O & M cost):	Rs 7 lakhs /annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Top soil -1500 cum , Excavated material- 1500 cum, Cement Bags - 32500 bags, Paint container (@20L) -310 cans , Scrap metal generated- 6 tons, Broken Tiles 625 sqm
	Disposal of the construction waste debris:	Empty bags to be handed over to recycler\, Excavated material Shall be used entirely on site for backfilling and for internal roads, Top soil To be preserved for landscaping
Waste generation in the operation Phase:	**Dry waste:**	384 kg/day
	Wet waste:	529 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	11 kg/day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	To be hand over to Local Recyclers for recycling
	Wet waste:	To be processed in the OWC. Manure obtained shall be used for landscaping / Gardening, Excess manure shall be sold to nearby end users.
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	To be used as a manure
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	ground
	Area for the storage of waste & other material:	42sq.mts
	Area for machinery:	3.00 sqm
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs 10 Lakhs
	O & M cost:	Rs 2.5 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 :**	(open recreational space) on Podium -5098.1 Sq.m (45%) green belt area on the ground - 1155.48 Sq.m (10 %) Total RG area-6253.58 Sq.m (55%)
	No of trees to be cut :	-
	Number of trees to be planted :	144 nos
	List of proposed native trees :	same as below
	Timeline for completion of plantation :	by the end of construction phase

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Michelia champaca	Michelia champaca	7	ornamental
2	Plumeria alba	Plumeria alba	8	ornamental
3	Alstonia scholaris	Alstonia scholaris	12	shadey, ornamental
4	Bauhinia blakeana	Bauhinia blakeana	11	shadey, ornamental
5	Mimusops elengi	Mimusops elengi	10	ornamental
6	Nyctanthes Arbor - Tristis	Nyctanthes Arbor - Tristis	6	ornamental
7	Madhuca Longifilia - Mahua	Madhuca Longifilia - Mahua	3	ornamental
8	Murraya Koenigii (curryleavestree)	Murraya Koenigii (curryleavestree)	12	ornamental
9	Aegle Marmelo (Indianbaeltree)	Aegle Marmelo (Indianbaeltree)	12	ornamental
10	Manikara Zapota (Chickotree)	Manikara Zapota (Chickotree)	12	ornamental
11	Artocarpus Altilis (Breadfruittree)	Artocarpus Altilis (Breadfruittree)	8	ornamental
12	Samanea saman	Samanea saman	3	shadey, ornamental
13	Syzgium campanulatu	Syzgium campanulatu	30	ornamental
14	Washingtonia robusta	Washingtonia robusta	12	ornamental
45.Total quantity of plants on ground				

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

Serial Number	Name	C/C Distance	Area m2
1	Terminalia mantaly	Terminalia mantaly	16
2	Plumeria alba	Plumeria alba	6
3	Dypsis lutescens	Dypsis lutescens	43
4	Cyrtostachys Renda	Cyrtostachys Renda	31

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	100 kw
	DG set as Power back-up during construction phase	100 KVA
	During Operation phase (Connected load):	6354 kW
	During Operation phase (Demand load):	2676 kW
	Transformer:	-
	DG set as Power back-up during operation phase:	1 X 320 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

1% OF DEMAND LOAD 2676 = 26.76 KWS for street lighting, garden lighting, & common area lighting etc. Say Solar PV panels for 27 kws
hot water system,
Star Rated Acs in FLAT

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	AVERAGE ANNUAL ENERGY SAVINGS IN %:	25

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. 65 lakhs
	O & M cost:	Rs. 4 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	Water for Dust Suppression	4.00
2	EHS	Site Sanitation	2.00
3	Environmental Monitoring	Environmental Monitoring	1.00
4	Environmental Monitoring	Environmental Monitoring	1.00

5	EHS	Disinfection at site	1.00

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	RHW	Rain Water Harvesting	6.0	0.3
2	Solid waste management	OWC	10	2.5
3	Wastewater management	STP	29	7.0
4	Energy saving	solar	65	4.0.
5	RG area	Landscaping	10	2.0

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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
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:	40.00 M. wide DP Road
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	3 nos
	Total Parking area:	.
	Area per car:	ground -32 sqm , podium -30 sqm
	Area per car:	ground -32 sqm , podium -30 sqm
	Number of 2-Wheelers as approved by competent authority:	281
	Number of 4-Wheelers as approved by competent authority:	618
	Public Transport:	NA
	Width of all Internal roads (m):	6.00 m wide Internal

	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	.
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	02-01-2018

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Not Available.

Brief information of the project by SEAC

Environment Clearance for Environmental Clearance for proposed Residential-Cum-Commercial building on Plot No.2, Sector-16, Sanpada Node, Navi Mumbai

PP submitted their application for prior Environmental clearance for total plot area of 11288.08 Sq. Meters., Total BUA of 62969 Sq. Mtrs. and FSI area of 16932.12 Sq. Mtrs. It is proposed to construct buildings having maximum heights of 69.95 meters.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8 (a) B2. PP informed that existing plinth is proposed to be demolition. No change in FSI. Project profile has been changed so seeking fresh EC. Change in CS reported & updated CS was submitted. PP is stated that, RG for sec. 16 is common for all plots however, 15% Recreational Open Space has been provided.

DECISION OF SEAC

After deliberation committee decided to recommend the proposal for EC to SEIAA.

Specific Conditions by SEAC:

1) PP to provide plastic crushing unit (PET/PETE) for non-biodegradable plastic waste & crushed material to be given to recyclers.
2) Entry and exit should not perpendicular to the access road and also for 6m road to ramp.

FINAL RECOMMENDATION

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

State Expert Appraisal Committee (SEAC-2)

SEAC Meeting number: 58 (Day - 2) **Meeting Date** April 6, 2018

Subject: Environment Clearance for Proposed residential building Eastern Winds on plot bearing CTS no. 13/6,13/7 & 13/9Bof village Kurla III , Kureshi Nagar, Kurla (E),Mumbai -400 070

Is a Violation Case: No

1.Name of Project	Proposed residential building Eastern Winds on plot bearing CTS no. 13/6,13/7 & 13/9Bof village Kurla III , Kureshi Nagar, Kurla (E),Mumbai -400 070
2.Type of institution	Private
3.Name of Project Proponent	Shree Krishna Homes Pvt Ltd
4.Name of Consultant	Building Environment India Pvt.Ltd.
5.Type of project	Building Construction
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	CTS no. 13/6,13/7 & 13/9Bof village Kurla III , Kureshi Nagar, Kurla (E),Mumbai -400 070
9.Taluka	Mumbai
10.Village	Kurla III
Correspondence Name:	TULSIDHAM SOCIETY, BUILDING
Room Number:	NO. 12, FLAT NO. 504
Floor:	NIL
Building Name:	as above
Road/Street Name:	GHODBUNDER ROAD
Locality:	Thane west
City:	Thane west
11.Area of the project	MCGM
12.IOD/IOA/Concession/Plan Approval Number	ATTACHED IN HARD COPY
	IOD/IOA/Concession/Plan Approval Number: Last Amended IOA dated 11/04/2017 Last Endorsed CC dated 19/04/2017
	Approved Built-up Area: 9238
13.Note on the initiated work (If applicable)	Total Constructed work: 8437.81 sq.m Wing A, B, C, D & E exist on site The Construction was initiated on .....
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	N.A.
15.Total Plot Area (sq. m.)	5563.66 Sq.m
16.Deductions	303.77 Sq.m
17.Net Plot area	5259.89Sq.m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 15976.91 Sq.mts
	b) Non FSI area (sq. m.): 5965.66Sq.m
	c) Total BUA area (sq. m.): 21942
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	1590.47 Sq.m
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	30.24%
21.Estimated cost of the project	1600000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Wing A	G+13	42.35M
2	Wing B	G+13	42.35M
3	Wing C	G+15	48.15M
4	Wing D	G+15	48.15M
5	Wing E	G+15	48.15M

23.Number of tenants and shops	Total Flats = 275nos, Total shops = Nil
24.Number of expected residents / users	Residential :1375 Commercial: 0
25.Tenant density per hectare	450
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 Proposed D.P road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	7.5 mt. and 6mt
29.Existing structure (s) if any	Wing A & B completed. Wing C, D & E construction going on site.
30.Details of the demolition with disposal (If applicable)	No demolition take place. Debris & excavated material will be disposed by covered trucks to the authorized sites with permission from Municipal Corporation Of Greater Mumbai.

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	Municipal Corporation Of Greater Mumbai/Recycled water from STP
	Fresh water (CMD):	124
	Recycled water - Flushing (CMD):	62
	Recycled water - Gardening (CMD):	3.9
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	193
	Fire fighting - Underground water tank(CMD):	Not Required as per NBC 2016
	Fire fighting - Overhead water tank(CMD):	25,000 Ltr per Building
	Excess treated water	87
Wet season:	**Source of water**	Municipal Corporation Of Greater Mumbai/Recycled water from STP/Rain Water harvesting
	Fresh water (CMD):	Fresh water 124
	Recycled water - Flushing (CMD):	62
	Recycled water - Gardening (CMD):	--
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	189
	Fire fighting - Underground water tank(CMD):	Not Required as per NBC 2016
	Fire fighting - Overhead water tank(CMD):	25,000 Ltr per Building
	Excess treated water	91
Details of Swimming pool (If any)	Nil .	

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	NA	186	186	NA	13	13	NA	173	173

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	1.2-2.1 m below ground level
	Size and no of RWH tank(s) and Quantity:	6500KL
	Location of the RWH tank(s):	Underground
	Quantity of recharge pits:	Recharge trenches 13 no.s each 3.0m in length
	Size of recharge pits :	2 no.s 6.0 m x0.45 mx1.0 m ;1 no.: 9m x0.45mx1.0m
	Budgetary allocation (Capital cost) :	50.00 L
	Budgetary allocation (O & M cost) :	2.5 Lacs/annum
	Details of UGT tanks if any :	Treated Water - Domestic: 130000 litres (1no.) Recycled Water - Flushing (74000 litres) (1 no.)
35.Storm water drainage	**Natural water drainage pattern:**	The arrangement for disposal of SW through and from the plot as per the remarks of SW department, MCGM
	Quantity of storm water:	1.30 m3/sec
	Size of SWD:	1000 mm wide with 1:500 slope
Sewage and Waste water	**Sewage generation in KLD:**	173
	STP technology:	RMBR
	Capacity of STP (CMD):	1 NO. ;180
	Location & area of the STP:	Ground
	Budgetary allocation (Capital cost):	43 LAKHS
	Budgetary allocation (O & M cost):	7.4 LAKHS
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	0.0003T per day ;1.10TPD
	Disposal of the construction waste debris:	Debris & excavated material generated shall be disposed by covered trucks to the authorized sites with permission from MCGM
Waste generation in the operation Phase:	**Dry waste:**	0.19TPD
	Wet waste:	0.49TPD
	Hazardous waste:	Waste oil generation from DG set will be negligible in quantity
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	0.04 TPD
	Others if any:	--

Mode of Disposal of waste:	**Dry waste:**	Recyclables like plastic, paper, glass and metal will be handled over to local recyclers.
	Wet waste:	Composting through Organic Waste Composter /treated in Mobi Trash & used at site/as manure
	Hazardous waste:	Waste oil generation from DG set will be negligible in quantity
	Biomedical waste (If applicable):	--
	STP Sludge (Dry sludge):	Used as manure within the premises for plants. Excess shall be sold /handover to outside parties or gardens.
	Others if any:	NA
Area requirement:	**Location(s):**	50
	Area for the storage of waste & other material:	Ground Level
	Area for machinery:	10
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	18.00 Lacs (Cost for treatment of biodegradable garbage in Organic Waste Converter of Excel Model)
	O & M cost:	5.00 Lacs/annum (Cost for treatment of biodegradable garbage in Organic Waste Converter)

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	pH	5.0-8.0	No change	NA
2	SS	SS	250	<10	NA
3	BOD	NA	300	<10	NA
4	COD	NA	400	<50	NA

Amount of effluent generation (CMD):	NA
Capacity of the ETP:	NA since its residential project
Amount of treated effluent recycled :	NA
Amount of water send to the CETP:	NA
Membership of CETP (if require):	NA
Note on ETP technology to be used	NA
Disposal of the ETP sludge	NA

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Waste oil	5.1	NA	NA	320 lit/hr	320 lit/hr	Will be disposed through authorised vendor

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	HSD	1	4	NA	491

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	NA	88	88
41.Source of Fuel		DG set vendor		
42.Mode of Transportation of fuel to site		DG set vendor		

43.Green Belt Development	**Total RG area :**	788.98 sq.m
	No of trees to be cut :	4
	Number of trees to be planted :	39
	List of proposed native trees :	Bahava,Karanj,apta,Son Chafa,Parijat,Kadipatta,Pangara,Tamhan,Shivan,Fish Tail Palm
	Timeline for completion of plantation :	Through out construction period 3 yrs

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Cassia fistula	Bahava	2	Flowering & ornamental
2	Pongamia pinnata	Karanj	3	Shade & flowering
3	Bauhinia racemosa	Apta	3	Flowering/ Butterfly host plant
4	Michelia champaca	Son chafa	3	Fragrant flowers/ Butterfly host plant
5	Nytcanthes arbor-triti	Parijatak	3	Shade & Flowering
6	Murraya koengii	Kadipatta	5	Butterfly host plant
7	Erythrina indica	Pangara	3	Flowering & ornamental
8	Lagerstroemia flos-regineae	Tamhan	3	Flowering & ornamental
9	Gmelina arborea	Shivan	3	Butterfly host plant
10	Caryota urens	Fish tail palm	3	Ornamental
11	Syzygium cumini-birds also eat	Jambhul	2	Dense/Ornamental/ fruit bearing
12	Achras sapota	chikoo	2	Fruit bearing
13	Aegle marmelos	Bel	2	Medicinal & Spiritual value
14	Psidium guajava	Peru	2	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	Nil	Nil	Nil

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL/RELIANCE
	During Construction Phase: (Demand Load)	50 KW
	DG set as Power back-up during construction phase	70 KVA
	During Operation phase (Connected load):	2493.6kW
	During Operation phase (Demand load):	1994.9 KW
	Transformer:	na
	DG set as Power back-up during operation phase:	1 D.G of 400 KVA Capacity
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Power Capacitors are proposed for Common services load power factor correction and to maintain a healthy power situation. This also results in less demand for the project.
The common area lighting are proposed to work on high energy efficient lamps LED type.
• Street lighting is proposed with energy efficient LED fittings.
• Lifts are proposed with regenerative drives.
• Use of Solar for hot water system & Street Lighting.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	? Power Capacitors are proposed for Common services load power factor correction and to maintain a healthy power situation. This also results in less demand for the project.	--
2	? The common area lighting are proposed to work on high energy efficient lamps LED type.	--
3	? Street lighting is proposed with energy efficient LED fittings.	---
4	Lifts are proposed with regenerative drives.	--
5	? Use of Solar for hot water system & Street Lighting.	--

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:**	28.50 Lacs (Solar lighting & Water heating)
	O & M cost:	1.50 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	Dust Pollution	Water Sprinkling	2.00
2	EHS	Site Sanitation, Disinfection & Health Check Up	35.60
3	Environmental Monitoring	Environmental Monitoring	1.50

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	RMBR technology	43.00	7.4
2	RWH	Rain water harvesting,Storm water drainage system	15	1.00
3	Landscaping	Green area development	5.290	0.84
4	SWM	OWC	18	3
5	Energy Saving	Solar Lighting,Solar Hot water system	20	5
6	DMP	Fire fighting,Training to personnel,CCTV,	9.00	3.00

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
NA	NA	NA	NA	NA	NA	NA	NA

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	18.3m wide road

Parking details:	**Number and area of basement:**	No basement
	Number and area of podia:	No podium
	Total Parking area:	Refer parking chart
	Area per car:	12.5
	Area per car:	12.5
	Number of 2-Wheelers as approved by competent authority:	NIL
	Number of 4-Wheelers as approved by competent authority:	278
	Public Transport:	NA
	Width of all Internal roads (m):	6m and 7.5m driveway
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NIL
	Category as per schedule of EIA Notification sheet	8b
	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

Not Available.

Brief information of the project by SEAC

Environment Clearance for Proposed residential building Eastern Winds on plot bearing CTS no. 13/6,13/7 & 13/9Bof village Kurla III , Kureshi Nagar, Kurla (E),Mumbai -400 070.

PP Shri Sandeep Jageshia with architect Ashika were present. PP submitted application for prior Environmental clearance for total plot area of 5563.66 Sq. Meters., Total BUA of 21942 Sq. Mtrs. and FSI area of 15976.91 Sq. Mtrs. It is proposed to construct buildings having maximum heights of 48.15 meters.

PP informed that plot potential on 22.07.2014 is below 20000 sq. mtrs. and construction done as on today is 17240 sq.mtr. PP also informed that expansion of project due to change in TDR policy and total construction area now is 21942 sq. mtr. which falls under purview of EIA notification 2006.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8 (a) B2.

DECISION OF SEAC

After deliberation, committee decided to recommend the proposal to the proposal for EC to SEIAA.

Specific Conditions by SEAC:

1) PP ensure that fire tender movement is all around the building. MCGM to leave 6 mtrs road from amenity side for fire tender movement as amenity plot area increased by MCGM after plans were approved and construction was done.
2) PP to provide paved RG with garden pavers around the RG.

FINAL RECOMMENDATION

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

State Expert Appraisal Committee (SEAC-2)

SEAC Meeting number: 58 (Day - 2) **Meeting Date** April 6, 2018

Subject: Environment Clearance for Slum Rehabilitation Scheme

Is a Violation Case: No

1.Name of Project	"Aventus Heights" Slum Rehabilitation Scheme
2.Type of institution	Private
3.Name of Project Proponent	M/s. Ratnaakar Shelter LLP
4.Name of Consultant	Ultra tech
5.Type of project	SRA scheme
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	C.T.S No. 1A (pt) of village Deonar, Taluka Kurla, at Plot No. 49, Survey no.93 (pt.) Road No. 5/6 Shivaji Nagar, Govandi East, Mumbai
9.Taluka	Kurla
10.Village	Deonar
Correspondence Name:	Mr. Vinod Mehta
Room Number:	--
Floor:	--
Building Name:	06,Vallabh Society
Road/Street Name:	90 ft. road
Locality:	Ghatkopar (E)
City:	Ghatkopar (E)
11.Area of the project	Municipal Corporation of Greater Mumbai
12.IOD/IOA/Concession/Plan Approval Number	Rehabilitation Building : received IOA dt. 13.01.2017, Sale Building received IOA dt.13.01.2017
	IOD/IOA/Concession/Plan Approval Number: IOA Rehab Building: No.SRA/ENG/3787/ME/MCGM/AP dt. 13.01.2017, IOA Sale Building: SRA/ENG/3833/ME/MCGM/AP dt.13.01.2017
	Approved Built-up Area: 17805.36
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	LOI NO. -SRA/ENG/2807/ME/MCGM/AP Dtd. 22nd December 2016
15.Total Plot Area (sq. m.)	4423.95
16.Deductions	408.13
17.Net Plot area	4015.82
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 17384.86
	b) Non FSI area (sq. m.): 8482.92
	c) Total BUA area (sq. m.): 25867.78
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	1906.49
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	47%
21.Estimated cost of the project	1161500000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Rehabilitation Building 1	Ground + 13 upper floors	39.30 mt.
2	Rehabilitation Building 2	Ground + 1 floor	7.10 mt.
3	Sale: 1 Building with 3 wings	Basement + Ground + 21 Upper floors	65.40 mt.

23.Number of tenants and shops	Rehabilitation Building 1: Flats: 96 Nos. PAP: 73 Nos. Balwadi: 2 Nos. Welfare Centre: 2 Nos. Society Office: 1 No. Municipal Housing: 16 Nos. Rehabilitation Building 2 : Shops: 25 Nos. Sale Building: Flats: 246 Nos. Rehabilitation Shops: 2 Nos.
24.Number of expected residents / users	2277 Nos.
25.Tenant density per hectare	980/ hector
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	18.30 m. wide Veer Baji Prabhu Deshpande Marg and 12 mt. wide road on East side of plot
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	6.0 mt.
29.Existing structure (s) if any	There was slums on site which has been demolished
30.Details of the demolition with disposal (If applicable)	There was slums on site which has been demolished

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	MCGM
	Fresh water (CMD):	197
	Recycled water - Flushing (CMD):	99
	Recycled water - Gardening (CMD):	2
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	298
	Fire fighting - Underground water tank(CMD):	300 KL
	Fire fighting - Overhead water tank(CMD):	60 KL
	Excess treated water	131
Wet season:	**Source of water**	MCGM/RWH tanks
	Fresh water (CMD):	197
	Recycled water - Flushing (CMD):	99
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	296
	Fire fighting - Underground water tank(CMD):	300 KL
	Fire fighting - Overhead water tank(CMD):	60 KL
	Excess treated water	133
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:**	1.25 mt. to 1.75 mt. below ground level
	Size and no of RWH tank(s) and Quantity:	2 RWH tanks of total capacity 50 KL
	Location of the RWH tank(s):	Underground
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Rs.17.00 Lacs
	Budgetary allocation (O & M cost) :	Rs. 0.66 Lacs/annum
	Details of UGT tanks if any :	Location of UGT tanks: Underground
35.Storm water drainage	**Natural water drainage pattern:**	The storm water collected through the storm water drains of adequate capacity will be discharged in to the external drain.
	Quantity of storm water:	0.10 m3/sec
	Size of SWD:	300 mm diameter with slope 1: 500
Sewage and Waste water	**Sewage generation in KLD:**	Rehabilitation Building : 113 KLD, Sale Building: 144 KLD
	STP technology:	MBBR (Moving Bed Bio Reactor)
	Capacity of STP (CMD):	2 STPs of capacity 125 KL & 160 KL
	Location & area of the STP:	Below Ground
	Budgetary allocation (Capital cost):	Rs. 107.97 lacs
	Budgetary allocation (O & M cost):	Rs. 15.05 lacs/annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Excavation material shall be partly reused on site for backfilling and leveling and remaining shall be disposed to authorized landfill site.
	Disposal of the construction waste debris:	Construction waste material shall be partly recycled and remaining shall be disposed to the authorized land fill site
Waste generation in the operation Phase:	**Dry waste:**	589 Kg/day
	Wet waste:	393 Kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	39 Kg/day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	To Authorized recyclers
	Wet waste:	Treatment in Organic Waste Converter
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as manure
	Others if any:	NA
Area requirement:	**Location(s):**	Below Ground
	Area for the storage of waste & other material:	29 sq.mt.
	Area for machinery:	24 sq.mt.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 6.00 lacs
	O & M cost:	Rs. 3.00 Lacs/annum

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	308.09 sq.mt.
	No of trees to be cut :	NA
	Number of trees to be planted :	50 nos.
	List of proposed native trees :	As given below in List of proposed plantation on ground
	Timeline for completion of plantation :	Before occupation

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Wodyetia bifurcata	Foxtail palm	25	It produces large (about the size of a duck egg) orange fruit
2	Plumeria alba	Chafa	25	Evergreen shrub has narrow elongated leaves, large and strongly perfumed white flowers with a yellow center, Planted as an ornamental plant Heart of the wood is part of a traditional medical preparation taken as a vermifuge or as a laxative.
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	Reliance Energy
	During Construction Phase: (Demand Load)	100 KW
	DG set as Power back-up during construction phase	As per requirement
	During Operation phase (Connected load):	6302 KW
	During Operation phase (Demand load):	1754 KW
	Transformer:	--
	DG set as Power back-up during operation phase:	2 DG sets of 100 kVA & 160 KVA respectively
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

- Provision of solar PV panel for external lighting
- All motors with VFD control
- All water pump motors with high efficiency motors with high/low level sensors
- Provision of LED Lights with timer control operation
- BEE star rated appliances

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Overall saving for Rehab	9%
2	Overall saving for Sale	8%

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. 9.90 lacs
	O & M cost:	Rs. 0.10 lacs/annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Dust suppression	4.32
2	Air Environment	Air and Noise quality-Sensors for Air and Noise quality monitoring	10.00

3	Air Environment	Air and Noise quality - By outside MoEF Approved laboratory	0.66
4	Water Environment	Drinking water analysis	0.54
5	Land Environment	Site Sanitation	5.00
6	Health & Hygiene	Disinfection- Pest Control	3.60
7	Health & Hygiene	Health Check Up	9.00
8	Cost for Disaster Management	--	57.76

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air, Noise Environment & Biological Environment	Cost for Gardening	1.69	0.12
2	Air, Noise Environment & Biological Environment	Cost for Ambient air & Noise Monitoring	No set up cost is involved	0.22
3	Air, Noise Environment & Biological Environment	Cost for DG Stack Exhaust Monitoring	No set up cost is involved	0.10
4	Water Environment - Waste water treatment	Cost for sewage Treatment Plant	77.97	13.00
5	Water Environment - Waste water treatment	Cost for Waste water Monitoring-On site sensors	30.00	2.00
6	Water Environment - Waste water treatment	Cost for Waste water Monitoring-By outside MOEF Approved Laboratory	No set up cost is involved	0.05
7	Water Environment - Water Conservation (Rain Water Harvesting System)	Cost for RWH tanks	11.00	0.55
8	Water Environment - Water Conservation (Rain Water Harvesting System)	Cost for treatment unit for rain water tanks	6.00	0.02
9	Water Environment - Water Conservation (Rain Water Harvesting System)	Cost for Rainwater Monitoring	No set up cost is involved	0.09
10	Land Environment (Solid Waste Management)	Cost for Treatment of biodegradable garbage in OWC	6.00	3.00
11	Land Environment (Solid Waste Management)	Cost for monitoring of organic manure	No set up cost is involved	0.32
12	Energy Conservation	Solar system	9.90	0.10

13	Cost for Disaster management	--	93.40	4.20

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Rehabilitation Building: Five entry/ exit , Sale Building: Four entry/ exit
Parking details:	**Number and area of basement:**	1 basement
	Number and area of podia:	NA
	Total Parking area:	822.30 Sq. mt.
	Area per car:	--
	Area per car:	--
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	163 nos.
	Public Transport:	NA
	Width of all Internal roads (m):	6.00 mt.
	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	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	15-01-2018

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Not Available.

Brief information of the project by SEAC

Environment Clearance for Slum Rehabilitation Scheme on C.T.S No. 1A (pt) of village Deonar, Taluka Kurla, at Plot No. 49, Survey no.93 (pt.) Road No. 5/6 Shivaji Nagar, Govandi East, Mumbai.

PP submitted application for prior Environmental clearance for total plot area of 4015.82 Meters. Total BUA of 25867.78 Sq. Mtrs. and FSI area of 17384.86 Sq. Mtrs. It is proposed to construct sale and rehab buildings having maximum heights of 65.40 meters.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8 (a) B2. PP informed that they have obtained full potential sanction.

DECISION OF SEAC

After deliberation, committee decided to defer the proposal for compliance of above points.

Specific Conditions by SEAC:

1) PP to revise CS with respect to parking statement.
2) PP and architect to submit undertaking regarding status of construction done on site till date. Construction under taken is 595 sq. mtr.
3) PP informed that there is compound wall dividing RG of sale building and rehab building. PP to remove compound wall dividing RG and provide RG on Mother Earth as per the norms.
4) Clear drive of 6m from all 4 sides should be given for both sale & rehab component to avoid movement through RG. 4.5 mtr. Road should not be considered as motorable road.
5) PP to submit parking layout of sale and rehab buildings showing drive way not less than 6 mete all around the building. PP to submit revised parking layout plan for entire layout.
6) PP to submit day light ventilation study report & indicate measures incorporated in the project as per the finding of the study.

FINAL RECOMMENDATION

SEAC-II decided to defer the proposal till PP submits the additional information as per above conditions within 30 days

State Expert Appraisal Committee (SEAC-2)

SEAC Meeting number: 58 (Day - 2) **Meeting Date** April 6, 2018

Subject: Environment Clearance for Proposed "Regency Palms" Residential cum Commercial building

Is a Violation Case: No

1.Name of Project	Regency Palms
2.Type of institution	Private
3.Name of Project Proponent	Regency Inc
4.Name of Consultant	Aditya Environmental Services Pvt. Ltd.
5.Type of project	Residential cum 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	CRZ clearance had been obtained to this project on 07.04.2017
8.Location of the project	plot no. R-3A, Sector-14, Village Sarsole, Nerul, Navi Mumbai
9.Taluka	Navi Mumbai
10.Village	Sarsole, Nerul
Correspondence Name:	Regency Inc
Room Number:	0
Floor:	0
Building Name:	Regency House
Road/Street Name:	AMAN TALKIES ROAD
Locality:	Near Aman Cinema, Ulhasnagar
City:	Kalyan
11.Area of the project	NMMC
12.IOD/IOA/Concession/Plan Approval Number	DCR of NMMC – 1994 (as published in April 2006)
	IOD/IOA/Concession/Plan Approval Number: 20171cnmmc12561
	Approved Built-up Area: 25165.35
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	16,776.90
16.Deductions	0
17.Net Plot area	16,776.90
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 25187.396
	b) Non FSI area (sq. m.): 38165.331
	c) Total BUA area (sq. m.): 63352.727
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	12313.59
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	73.3
21.Estimated cost of the project	1300000000

22.Number of buildings & its configuration

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

1	Residential 2 NOS. OF TOWERS	G + 2 Podiums + 24 Residential floors + 1 Fire check floor	108.85
2	Commercial - OFFICE & SHOPS & 1 NO	Basement+ Ground + 2 UF	13.5

23.Number of tenants and shops	RESIDENTIAL NO. OF TOWER: 2 NO. OF FLATS: 96 NOS. COMMERCIAL: NO. OF TOWER:1 NO. OF OFFICES: 9 NOS. NO. OF SHOPS: 24 NOS.
24.Number of expected residents / users	1167
25.Tenant density per hectare	738
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	15.0 m wide
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	6.0 m
29.Existing structure (s) if any	The existing old residential structures of 2 Podiums + 17 Upper Floors are demolished.
30.Details of the demolition with disposal (If applicable)	The debris were disposed to authorized site through authorized contractors with permission from NMMC.

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	NMMC + STP RECYLCED WATER
	Fresh water (CMD):	75.833
	Recycled water - Flushing (CMD):	38.85
	Recycled water - Gardening (CMD):	19.814
	Swimming pool make up (Cum):	8
	Total Water Requirement (CMD) :	134.497
	Fire fighting - Underground water tank(CMD):	Residential: 1 no x 74.250 m3, 1 no x 148.5 m3 Commercial: 1 no x 3 m3 & 1 no. x 6 m3
	Fire fighting - Overhead water tank(CMD):	10000 LIT AS PER NBC NORMS
	Excess treated water	41.233
Wet season:	**Source of water**	NMMC + STP RECYLCED WATER
	Fresh water (CMD):	75.833
	Recycled water - Flushing (CMD):	38.85
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	8
	Total Water Requirement (CMD) :	114.683
	Fire fighting - Underground water tank(CMD):	Residential: 1 no x 74.250 m3, 1 no x 148.5 m3 Commercial: 1 no x 3 m3 & 1 no. x 6 m3
	Fire fighting - Overhead water tank(CMD):	10000 LIT AS PER NBC NORMS
	Excess treated water	61.05
Details of Swimming pool (If any)	AREA: 240 SQ.M VOLUME OF WATER WITH DEPTH OF 1.2 MT: 288 FILTERATION PLANT LPM @ 6HRS/HR : 800 MAKEUP WATER EVAPORATION OF WATER(LITRS): 3048 FILTER BACK WASH @ 10 MINS BACK WASH PER DAY: 8000	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Fresh water requirement	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	2.5
	Size and no of RWH tank(s) and Quantity:	1 NO & 115 CUM
	Location of the RWH tank(s):	Ground floor
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	2.50 LACS
	Budgetary allocation (O & M cost) :	0.5 LACS
	Details of UGT tanks if any :	Residential: 1 no. x 74.250 cum, Commercial: 1 no x 3.0 cum
35.Storm water drainage	**Natural water drainage pattern:**	Natural drainage pattern will be maintained.
	Quantity of storm water:	0.51 CUM/SEC
	Size of SWD:	800 M X 600 M
Sewage and Waste water	**Sewage generation in KLD:**	105.16
	STP technology:	MBBR
	Capacity of STP (CMD):	1 NO. AND 125 CMD
	Location & area of the STP:	GROUND AND
	Budgetary allocation (Capital cost):	25 LACS
	Budgetary allocation (O & M cost):	5 LACS
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction waste from packing material, Cement bags, metal wastes was generated and appropriately disposed.
	Disposal of the construction waste debris:	Debris generated during construction phase was collected at one place and was disposed off to NMMC approved land filling sites.
Waste generation in the operation Phase:	**Dry waste:**	179
	Wet waste:	271
	Hazardous waste:	NOT APPLICABLE
	Biomedical waste (If applicable):	NOT APPLICABLE
	STP Sludge (Dry sludge):	0.15 Kg
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Segregation and sale of recyclables, inerts to approved landfill site.
	Wet waste:	biodegradable waste will be treated in mechanical composting unit and used as manure.
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	will be mixed with wet waste and converted into compost
	Others if any:	NA
Area requirement:	**Location(s):**	ON GROUND
	Area for the storage of waste & other material:	40 sq.m
	Area for machinery:	INCLUDING AREA FOR MACHINERY
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	2.60 LACS
	O & M cost:	0.48 LACS

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

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

43.Green Belt Development	**Total RG area :**	3457.839 sq.m
	No of trees to be cut :	0
	Number of trees to be planted :	167
	List of proposed native trees :	LIST OF PROPOSED NATIVE TREES AND SHRUBS ON PODIUM IS ATTACHED AS ANNEXURE I
	Timeline for completion of plantation :	4 YEARS FROM START OF CONSTRUCTION

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Putranjiva roxburghii	Putranjiva	76	deciduous tree growing to 15–25 m (rarely up to 50 m) tall, with a trunk diameter of up to 1 m
2	Kentia palm	PALM	61	raceful, dark green fronds have a smooth, neat appearance
3	Bismarckia nobilis	Bismarck Palm Tree	23	solitary trunks, gray to tan in color, which show ringed indentations from old leaf bases
4	Peltophorum pterocarpum	copperpod	7	deciduous tree growing to 15–25 m (rarely up to 50 m) tall, with a trunk diameter of up to 1 m
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	ANNEXURE 1	ANNEXURE 1	ANNEXURE 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	WILL BE PROVIDED AS PER REQUIREMENT
	During Operation phase (Connected load):	1972 KW
	During Operation phase (Demand load):	4295 KW
	Transformer:	2 no. x 1250 KVA + 1 x 315 KVA
	DG set as Power back-up during operation phase:	1 x 225 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

% SAVING ON ONLY SOLAR PANELS: 1.02%
AVERAGE ANNUAL ENERGY SAVINGS WITH SOLAR WATER HEATING IN %: 0.48%

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Savings due to lamp	348.82
2	Savings due to electronic ballast	455.62
3	Savings due to timer / sensor	1,953.47
4	Savings within apartment with use of Star rated geysers and AC	2957.16

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	55 LACS
	O & M cost:	6 LACS

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Debris/Top soil Management	NA	6.00
2	Toilets for labour + drinking water + first aid arrangement	NA	10.00

3	Health and Safety of Labourers	NA	5.00
4	Monitoring of Environmental Parameters	NA	3.50
5	Environment monitoring cell	NA	3.15

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	SEWAGE TREATMENT PLANT	NA	25	5
2	Solid Waste Management	NA	2.60	0.48
3	Rain Water Harvesting	NA	2.50	0.5
4	Green Belt	NA	4.5	1.15
5	Energy Saving features	NA	55.0	6.00
6	Fire Fighting measures	NA	150.0	15.00
7	Monitoring of Environmental Parameters	NA	0	3.50
8	Environment monitoring cell	NA	0	4.90

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:	NA

Parking details:	**Number and area of basement:**	NIL
	Number and area of podia:	2 NOS & 5997.63
	Total Parking area:	17,114.027
	Area per car:	21
	Area per car:	21
	Number of 2-Wheelers as approved by competent authority:	164
	Number of 4-Wheelers as approved by competent authority:	539
	Public Transport:	NA
	Width of all Internal roads (m):	6 M
	CRZ/ RRZ clearance obtain, if any:	YES, CRZ clearance had been obtained to this project on 07.04.2017
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	100 M BUFFER FROM HTL
	Category as per schedule of EIA Notification sheet	8 (a)
	Court cases pending if any	NA
	Other Relevant Informations	NIL
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	04-02-2018

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Not Available.

Brief information of the project by SEAC

Environment Clearance for Proposed “Regency Palms” Residential cum Commercial building on plot no. R-3A, Sector-14, Village Sarsole, Nerul, Navi Mumbai.

PP submitted their application for prior Environmental clearance for total plot area of 16776.90 Sq. Meters., Total BUA of 63352.727 Sq. Mtrs. and FSI area of 25187.396 Sq. Mtrs. It is proposed to construct buildings having maximum heights of 108.85 meters.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8 (a) B2. PP presented wind impact analysis.

DECISION OF SEAC

After deliberation, committee decided to recommend the proposal to the proposal for EC to SEIAA.

Specific Conditions by SEAC:

1) PP to submit IOD/IOA/Concession Document/Plan Approval or any other form of documents as applicable clarifying its conformity with local planning rules and provisions there under as per the Circular dated 30.01.2014 issued by the Environment Department, Govt. of Maharashtra.
2) PP to obtained and submit HRC NOC & to upload shadow analysis report presented before the committee.

FINAL RECOMMENDATION

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