Agenda of 64 th SEAC-2 Meeting

SEAC Meeting number: 64 **Meeting Date** July 31, 2018

Subject: Environment Clearance for Expansion and Amendment of "Proposed Residential Development

Is a Violation Case: No

1.Name of Project	"Proposed Residential Development, At- Village Kanjur, Kanjurmarg (East) Mumbai.
2.Type of institution	Private
3.Name of Project Proponent	M/s. Kanakia Spaces Realty Pvt. Ltd.
4.Name of Consultant	M/s. Ultra-Tech
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion and Amendment
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Received Environmental Clearance dtd. 24.04.2017
8.Location of the project	At- C.T.S No. 1015, 1015/1 to 3 of Village- Kanjur, Kanjurmarg (East) Mumbai – 400 042.
9.Taluka	Kurla
10.Village	Kanjur
Correspondence Name:	Mr. Devang Shah
Room Number:	215
Floor:	10th Floor
Building Name:	Atrium
Road/Street Name:	Andheri Kurla Road
Locality:	Andheri (E)
City:	Mumbai
11.Area of the project	Municipal Corporation of Greater Mumbai (M.C.G.M.)
12.IOD/IOA/Concession/Plan Approval Number	Received Concession approval from Municipal Commissioner, MCGM, dtd. 6/11/2017
	IOD/IOA/Concession/Plan Approval Number: CHE/ES/0196/S-T/337
	Approved Built-up Area: 33022.31
13.Note on the initiated work (If applicable)	Total constructed work (FSI+ Non FSI): 5,560 Sq. m.,
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	11500.60 Sq.mt.
16.Deductions	1231.05 sq.mt.
17.Net Plot area	10269.55 sq.mt.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 31735.78 sq.mt.
	b) Non FSI area (sq. m.): 17586.19 sq.mt.
	c) Total BUA area (sq. m.): 49321.97
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)	1635.09 sq.mt.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	15 %
21.Estimated cost of the project	3418600000

22.Number of buildings & its configuration

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

1	Building 1- Wings A	Basement + Stilt + 1st to 22nd Upper Floor	69.90 up to terrace level
2	Building 1- Wings B	Basement + Stilt + 1st to 22nd Upper Floor	69.90 up to terrace level
3	Building 1- Wings C	Basement + Stilt + 1st to 22nd Upper Floor	69.90 up to terrace level
4	Building 1- Wings D	Basement + Stilt + 1st to 22nd Upper Floor	69.90 up to terrace level
5	Building 1- Wings F	Basement + Stilt + 1st to 22nd Upper Floor	69.90 up to terrace level

23.Number of tenants and shops	Total Nos. of Flats : 521 Nos.
24.Number of expected residents / users	2364 Nos.
25.Tenant density per hectare	506 /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)	18.3 mt. wide Kanjur Village Road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.0
29.Existing structure (s) if any	Demolition of Existing Structures is completed.
30.Details of the demolition with disposal (If applicable)	Demolition debris generated due to demolition of existing structure is used for filling and remaining is sold out to authorize Vendors.

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	M.C.G.M. /Water tanker of potable quality
	Fresh water (CMD):	213
	Recycled water - Flushing (CMD):	107
	Recycled water - Gardening (CMD):	19
	Swimming pool make up (Cum):	1
	Total Water Requirement (CMD) :	340
	Fire fighting - Underground water tank(CMD):	392 KL
	Fire fighting - Overhead water tank(CMD):	180 KL
	Excess treated water	124
Wet season:	**Source of water**	M.C.G.M./ Partly by Rain Water Harvesting
	Fresh water (CMD):	213 [(197 from M.C.G.M.) & (16 from R.W.H. Tank)]
	Recycled water - Flushing (CMD):	107
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	1
	Total Water Requirement (CMD) :	321
	Fire fighting - Underground water tank(CMD):	392 KL
	Fire fighting - Overhead water tank(CMD):	180 KL
	Excess treated water	143
Details of Swimming pool (If any)	Volume of Swimming pool - 79 m3	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	5m. to 6m. below ground level
	Size and no of RWH tank(s) and Quantity:	Rain water collection tank of capacity 105 KL
	Location of the RWH tank(s):	Basement
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Rs. 14.00 Lacs
	Budgetary allocation (O & M cost) :	Rs. 0.59 Lacs/annum
	Details of UGT tanks if any :	Location(s) of the UGT tank(s): Basement Level
35.Storm water drainage	**Natural water drainage pattern:**	The storm water collected through the storm water drains of adequate capacity will be discharged in to the municipal SWD.
	Quantity of storm water:	0.20 m3/sec
	Size of SWD:	3 discharge points of size 450 mm wide channel with slope 1: 200
Sewage and Waste water	**Sewage generation in KLD:**	277 KLD
	STP technology:	Moving Bed Bio Reactor (MBBR)
	Capacity of STP (CMD):	STP of Capacity 340 KL
	Location & area of the STP:	Basement Level, Area: 298 m2
	Budgetary allocation (Capital cost):	Rs. 91.59 Lacs
	Budgetary allocation (O & M cost):	Rs. 12.66 Lacs/annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Excavation material generated is reused for refilling in foundations.
	Disposal of the construction waste debris:	Construction waste material generated shall be shall be partly recycled and partly shall be disposed to the authorized sites.
Waste generation in the operation Phase:	**Dry waste:**	639 Kg/day
	Wet waste:	426 Kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	42 Kg/day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	To authorized Recyclers
	Wet waste:	Treatment in Organic Waste Converters (OWC)
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	As manure
	Others if any:	NA
Area requirement:	**Location(s):**	Basement level
	Area for the storage of waste & other material:	15 sq.mt.
	Area for machinery:	12 Sq.mt.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 9.00 Lacs
	O & M cost:	Rs. 2.35 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 :**	2707.51 sq.mt.
	No of trees to be cut :	14
	Number of trees to be planted :	295
	List of proposed native trees :	List of proposed native trees is given below
	Timeline for completion of plantation :	Before occupantion

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	Areca catechu	Supari	49	Used as interior landscaping species
2	Mimusops elengi	Bakul	34	Evergreen tree, used in Ayurvedic medicine as an anthelmintic, tonic, and febrifuge
3	Azadirachta indica	Neem	20	Fast-growing tree have medicinal property used in pest control products
4	Casia fistula	bahava	19	Attracts bees and butterflies for pollination
5	Casuarina equisetifolia	Suru	18	Evergreen tree. It is an actinorhizal plant
6	Lagerstroemia flos-reginae	Tamhan	23	Ornamental plant , used in traditional medicine for reducing glucose in blood.
7	Michelia champaka	Son Chafa	11	Evergreen tree, Butterfly host plant.
8	Murraya paniculata	Kunti	30	Flowers have aromatic fragrance. Used in traditional medicine as an analgesic
9	Neolamarckia cadamba	Kadamb	13	Quick growing, Shady, large tree having medicinal and commercial properties.
10	Plumeria alba	Chafa	21	Evergreen Tree
11	Saraka asoka	Sita Ashok	23	Sacred trees of India, and one of the most fascinating flowers essence
12	Delonix regia	Gulmohar	4	An ornamental plant with medicinal uses
13	Peltophorum pterocarpum	Copper Pod	30	Ornamental & shady tree, wood has a wide variety of uses
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 :**	Maharashtra State Electricity Distribution Co. Ltd. (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):	9998
	During Operation phase (Demand load):	4415
	Transformer:	--
	DG set as Power back-up during operation phase:	1 DG set of 750 kVA
	Fuel used:	Low Sulphur Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

• 50 % external lighting on solar & timer controlled operation for reducing amount of light at different stage
• Provision of BEE rated 5 star pumps for lift operations
• Provision of high efficiency motors with 5 star BEE rating and with High/low level sensors for all water, Fire pump motors
• Provision of Solar for Common area lighting
• Provision of LED lights instead of FTL with reduce amount of light wattage at different stages for buildings

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Overall Energy Saving	23 %
2	Saving due Renewable Energy	14 %

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. 38.00 Lacs
	O & M cost:	Rs. 1.90 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	5.40

2	Air Environment-Air & Noise monitoring	Sensors for Air and Noise quality monitoring	12.50
3	Air Environment-Air & Noise monitoring	By outside MOEF Approved Laboratory	1.10
4	Water Environment	Drinking water analysis	0.90
5	Land Environment	Site Sanitation	5.0
6	Health & Hygiene	Disinfection- Pest Control	6.0
7	Health & Hygiene	Health Checkup of workers	22.50

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air, Noise Environment & Biological Environment	Cost for Gardening	14.89	1.20
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	Maintenance of sensors - Air & Noise	Set up already considered in construction phase	0.50
4	Air, Noise Environment & Biological Environment	Cost for DG Stack Exhaust Monitoring	*No set up cost is involved	0.05
5	Water Environment - Waste water treatment	Cost for sewage Treatment Plant	73.59	11.63
6	Water Environment - Waste water treatment	Cost for Waste water Monitoring-On site sensors	18.00	1.00
7	Water Environment - Waste water treatment	Cost for Waste water Monitoring-By outside MOEF Approved Laborator	*No set up cost is involved	0.03
8	Water Environment - Water Conservation (Rain Water Harvesting System)	Cost for RWH tanks	11.0	0.53
9	Water Environment - Water Conservation (Rain Water Harvesting System)	Cost for treatment unit for rain water tanks	3.00	0.01
10	Water Environment - Water Conservation (Rain Water Harvesting System)	Cost for Rainwater Monitoring	*No set up cost is involved	0.05
11	Land Environment (Solid Waste Management)	Cost for Treatment of biodegradable garbage in OWC	9.00	2.27

12	Land Environment (Solid Waste Management)	Cost for monitoring of organic manure	*No set up cost is involved	0.08
13	Energy Conservation	Solar System	38.00	1.90

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:	Two Entry and exits from Existing Kanjur -Village Road
Parking details:	**Number and area of basement:**	1 Basement
	Number and area of podia:	NA
	Total Parking area:	6779.11
	Area per car:	As per NBC
	Area per car:	As per NBC
	Number of 2-Wheelers as approved by competent authority:	Required - Nil, Provided - 134 Nos.
	Number of 4-Wheelers as approved by competent authority:	Required - 568 Nos., Provide - 742 Nos.
	Public Transport:	NA
	Width of all Internal roads (m):	6.0-7.5 Mt.
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park : 2 Km
	Category as per schedule of EIA Notification sheet	8 a (B2)

	Court cases pending if any	NA
	Other Relevant Informations	--
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	03-03-2018

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for Expansion and Amendment of "Proposed Residential Development At- C.T.S No. 1015, 1015/1 to 3 of Village- Kanjur, Kanjurmarg (East) Mumbai – 400 042. By **M/s. Kanakia Spaces Realty Pvt. Ltd.**

PP submitted their application for Expansion of Environmental clearance for total plot area of 11500.60 Sq. Mtrs, BUA of 49321.97 Sq. Mtrs and FSI area of 31735.78 Sq. Mtrs. PP proposes to construct 5 no. residential building(wings) having maximum height of 69.90 mtrs.

DECISION OF SEAC

PP remains absent

Committee decided to defer the proposal and consider a fresh.

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

Agenda of 64 th SEAC-2 Meeting

SEAC Meeting number: 64 **Meeting Date** July 31, 2018

Subject: Environment Clearance for "UNITY" Residential Cum Commercial building on plot no 12, Sector-8, Sanpada, Navi Mumbai. By M/s Goodwill Constructions.

Is a Violation Case: No

1.Name of Project	"UNITY"
2.Type of institution	Private
3.Name of Project Proponent	Mr. Shabbir Lakdawala.
4.Name of Consultant	Enviro Analysts & Engineers Pvt. Ltd. B-1003, Enviro House, 10th floor. Western Edge-II, W.E Highway. Borivali(E),Mumbai-400066
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 12, Sector 8 Sanpada, Navi Mumbai.
9.Taluka	Thane
10.Village	Sanpada
Correspondence Name:	Goodwill Constructions.
Room Number:	33
Floor:	2
Building Name:	Mahavir Centre
Road/Street Name:	Sector-17
Locality:	Vashi
City:	Navi Mumbai
11.Area of the project	Navi Mumbai Municipal Corporation (NMMC)
12.IOD/IOA/Concession/Plan Approval Number	NMMC/TPO/ADTP/882/2018 Date: 28/02/2018
	IOD/IOA/Concession/Plan Approval Number: -
	Approved Built-up Area: 24707.04
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NMMC/TPO/ADTP/882/2018 Date: 28/02/2018
15.Total Plot Area (sq. m.)	4464.950 Ssq m
16.Deductions	-
17.Net Plot area	4464.950
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 6696.590
	b) Non FSI area (sq. m.): 18010.45
	c) Total BUA area (sq. m.): 24707.040
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)	2940.77
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	66
21.Estimated cost of the project	1060000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	EWS	Gr+4	14.95
2	Sale Building	Stilt+3 Podium+17 Residential Floors	69.95

23.Number of tenants and shops	Ews 25 Sale Building 136 Showroom 2 Banquet Hall 1
24.Number of expected residents / users	1117
25.Tenant density per hectare	360/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)	9.0 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.0 m
29.Existing structure (s) if any	No any Existing Structure
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):	143
	Recycled water - Flushing (CMD):	45
	Recycled water - Gardening (CMD):	1
	Swimming pool make up (Cum):	153
	Total Water Requirement (CMD) :	188
	Fire fighting - Underground water tank(CMD):	205
	Fire fighting - Overhead water tank(CMD):	-
	Excess treated water	98
Wet season:	**Source of water**	NMMC+RWH
	Fresh water (CMD):	95+48
	Recycled water - Flushing (CMD):	45
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	187
	Fire fighting - Underground water tank(CMD):	205
	Fire fighting - Overhead water tank(CMD):	-
	Excess treated water	99
Details of Swimming pool (If any)	Total 3 pools: Lap Pool, Kids Pool and Jacuzzi Area.	

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:**	1.0 m
	Size and no of RWH tank(s) and Quantity:	RWH Tank1-Size: 48 cum
	Location of the RWH tank(s):	Under Ground
	Quantity of recharge pits:	1
	Size of recharge pits :	1m X 3m
	Budgetary allocation (Capital cost) :	7 Lac
	Budgetary allocation (O & M cost) :	1 Lac/Year
	Details of UGT tanks if any :	1. Fire Fighting Tank 205 KLD 2.Domestic Tank -Sale Building 96 KLD 3.Domestic Tank -EWS Building 20 KLD 4.Domestic Tank -Common Unit 8 KLD 5.Flushing Tank-Sale Building 35 KLD 6.Flushing Tank-EWS Building 9 KLD 7.Flushing Tank-Common Unit 7 KLD 8.Domestic Tank for Banquet 11 KLD 9.Flushing Tank For Banquet 7 KLD 10.Rain Waster Harvesting Tank 48 KLD
35.Storm water drainage	**Natural water drainage pattern:**	-
	Quantity of storm water:	0.231 m3/Sec
	Size of SWD:	0.45 m X 0.45 m and 0.45 m X 0.35m
Sewage and Waste water	**Sewage generation in KLD:**	160
	STP technology:	MBBR
	Capacity of STP (CMD):	No 1 Capacity 165 KLD
	Location & area of the STP:	Location: Underground Area : 88.65 Sq m
	Budgetary allocation (Capital cost):	36 Lac
	Budgetary allocation (O & M cost):	5.5 Lac/ Year

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	C and D waste generated due to foundation and construction work
	Disposal of the construction waste debris:	Disposed at authorized debris disposal site as per C and D waste Management Rule 2016.
Waste generation in the operation Phase:	**Dry waste:**	307 Kg/ day
	Wet waste:	205 Kg/ day
	Hazardous waste:	-
	Biomedical waste (If applicable):	-
	STP Sludge (Dry sludge):	8 kg/ day
	Others if any:	-

Mode of Disposal of waste:	**Dry waste:**	To be managed through authorized recycler
	Wet waste:	Manure produced will be used for landscaping and excess will be sold in market.
	Hazardous waste:	-
	Biomedical waste (If applicable):	-
	STP Sludge (Dry sludge):	To be mixed with biodegradable waste & processed in Organic Waste Converter.
	Others if any:	-
Area requirement:	**Location(s):**	On Ground
	Area for the storage of waste & other material:	13.84 Sq m
	Area for machinery:	14.06 Sq m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	6 Lac
	O & M cost:	1.8 Lac/ 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 :**	677.20
	No of trees to be cut :	-
	Number of trees to be planted :	52
	List of proposed native trees :	As given below
	Timeline for completion of plantation :	As Soon as construction work completed.

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	Terminalia catappa	Indian Almond	13	-
2	Cassia fistula	Golden Shower	09	-
3	Spathodea campanulata	Scarlet Bell Tree	11	-
4	Alstonia scholaris	Devil Tree	08	-
5	Bauhinia purpurea	Camel's foot tree	07	-
6	Thespesia populnea	Indian Tulip Tree	04	-
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	Excoecaria Bicolour	-	-
2	Furcraea Foetida	-	-
3	Dypsis Lutescens	-	-
4	Wedelia Trilobata	-	-
5	Ixora Singaporensis	-	-
6	Hymenocallis	-	-
7	Alpinia Purpurata	-	-
8	Murraya Paniculata	-	-
9	Alpinia Zurumbet	-	-
10	Bauhinia Acuminata	-	-
11	Bauhinia Tomentosa	-	-
12	Dianella Tasmanica	-	-
13	Ophiopogon	-	-
14	Raphis Excelsa	-	-
15	Furcraea Foetida	-	-
16	Murraya Exotica	-	-
17	Costus Speciosus	-	-
18	Sansevieria Trifasciata	-	-
19	Ixora Coccinea	-	-
20	Pennisetum	-	-
21	Mussaenda	-	-

22	Bamboo Spp	-	-
23	Schefflera	-	-
24	Tecoma Stans	-	-
25	Hibiscus	-	-

47.Energy

Power requirement:	**Source of power supply :**	Maharashtra State Electricity Board MSEB
	During Construction Phase: (Demand Load)	100KW
	DG set as Power back-up during construction phase	100kVa
	During Operation phase (Connected load):	1029 Kw
	During Operation phase (Demand load):	674 Kw
	Transformer:	-
	DG set as Power back-up during operation phase:	DG set for Sale building :1 X 125kVA, DG set for Commercial: 1 X 100 kVA, DG set for Banquet:1X 63 kVA
	Fuel used:	-
	Details of high tension line passing through the plot if any:	-

48.Energy saving by non-conventional method:

Use of T5 Tube Light
Use of 5 Star rating appliances.
use od solar water heater
saving by solar panels for light,

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Overall Energy Saving	20.66%

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:**	25 Lac
	O & M cost:	1 lac/ 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	Water for dust suppression	2.0
2	EHS	Site Sanitation	2.0
3	Environmental Monitoring	Environmental Monitoring	15.0
4	EHS	Disinfection	1.5
5	EHS	Health Check Up	1.5

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Water Environment	STP	36	5.5
2	Water Environment	Rain Water Harvesting	7	1
3	Energy	Solar System	25	1
4	Solid Waste Management	OWC	6	1.8
5	Land Environment	Landscaping	6	1

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:	Nos 2

Parking details:	**Number and area of basement:**	-
	Number and area of podia:	3 Podium, podium 1 Area:2133.40 Sq m, podium 2 Area:2187.40 Sq m, podium 3 Area:2616.90 Sq m
	Total Parking area:	9030.85 Sq m
	Area per car:	-
	Area per car:	-
	Number of 2-Wheelers as approved by competent authority:	92
	Number of 4-Wheelers as approved by competent authority:	213
	Public Transport:	Sanpada Railway Station, Sion Panvel Highway, Turbhe NMMT bus depot
	Width of all Internal roads (m):	6.0 m
	CRZ/ RRZ clearance obtain, if any:	-
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park (aerial Distance: 14.5 Km), Thane Creek Flamingo Sanctuary (aerial Distance: 14 Km)
	Category as per schedule of EIA Notification sheet	Schedule 8(a), Category B
	Court cases pending if any	-
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for “UNITY” Residential Cum Commercial building on plot no 12, Sector-8, Sanpada, Navi Mumbai. By **M/s Goodwill Constructions.**

PP submitted their application for prior of Environmental clearance for total plot area of 4464.950 Sq. Mtrs, BUA of 24707.040 Sq. Mtrs and FSI area of 6696.590 Sq. Mtrs. PP proposes to construct 2 no. residential building (1 EWS & 1 Sale) having maximum height of 69.95 mtrs..

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, SEAC decided to recommend the proposal for prior EC, subject to PP complying with following conditions.

Specific Conditions by SEAC:

1) PP to upload plan of SWD invert level up to municipal drain.
2) PP to upload revised energy saving calculations considering solar energy saving devices.
3) PP to explore possibility to provide fire tender access & turning radius all around the building. Especially rear side of the building by removing few parking or in the alternative explore possibility of having car lifts arrangement and do away with the ramp”. Also explore possibility to provide dedicated staircase for fire mitigation along with full hydrant system on the podium.

FINAL RECOMMENDATION

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

Agenda of 64 th SEAC-2 Meeting

SEAC Meeting number: 64 **Meeting Date** July 31, 2018

Subject: Environment Clearance for Proposed building construction project on Plot No. 25, sector 08, Ghansoli, Navi Mumbai

Is a Violation Case: No

1.Name of Project	Gami Reagan
2.Type of institution	Private
3.Name of Project Proponent	Mr. Ambalal Gami (M/s. Shri Gami Infotech Pvt Ltd)
4.Name of Consultant	Sneha Hi Tech Products
5.Type of project	Residential & Commercial Project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Plot No. 25, Sector 08
9.Taluka	Navi Mumbai
10.Village	Ghansoli
Correspondence Name:	M/s. Shri Gami Infotech Pvt Ltd.
Room Number:	101
Floor:	1st Floor
Building Name:	Real Tech Park
Road/Street Name:	Plot No. 39/2, Sector 30A
Locality:	Vashi
City:	Navi Mumbai
11.Area of the project	Navi Mumbai Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	NMMC/TPD/2455/2018 dated 15.06.2018
	IOD/IOA/Concession/Plan Approval Number: NMMC/TPD/2455/2018 dated 15.06.2018
	Approved Built-up Area: 8640
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.)	4800.10
16.Deductions	--
17.Net Plot area	4800.10
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 7198.68
	b) Non FSI area (sq. m.): 16573.43
	c) Total BUA area (sq. m.): 25203
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 8640.18
	Approved Non FSI area (sq. m.): -
	Date of Approval: 15-06-2018
19.Total ground coverage (m2)	2768.95
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	57.69
21.Estimated cost of the project	975000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Sale	Ground + 1st to 3rd P + 4th St/P(pt) + 5th to 25th residential floors	87.5 m
2	EWS	Ground (Stilt/parking) + 1st to 5th residential floors	19.5 m

23.Number of tenants and shops	Sale bldg. : 150 EWS/LIG bldg. : 20 Shops: 22
24.Number of expected residents / users	Sale bldg. : 728, EWS/LIG bldg. : 100, Shops: 226, Total: 1054
25.Tenant density per hectare	250/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)	30 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	7 m
29.Existing structure (s) if any	NA
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	NMMC
	Fresh water (CMD):	78.25 m3/day
	Recycled water - Flushing (CMD):	40.04 m3/day
	Recycled water - Gardening (CMD):	3.75 m3/day
	Swimming pool make up (Cum):	Daily make up : 1.6 m3/day
	Total Water Requirement (CMD) :	123.64 m3/day
	Fire fighting - Underground water tank(CMD):	250 m3/day
	Fire fighting - Overhead water tank(CMD):	70 m3/day
	Excess treated water	66.41 m3/day
Wet season:	**Source of water**	NMMC
	Fresh water (CMD):	78.25 m3/day
	Recycled water - Flushing (CMD):	40.04 m3/day
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	118.29 m3/day
	Fire fighting - Underground water tank(CMD):	250 m3/day
	Fire fighting - Overhead water tank(CMD):	70 m3/day
	Excess treated water	70.16 m3/day
Details of Swimming pool (If any)	Swimming pool Area: 125 m2, Depth is 1.2 m, Filtration plant rate: 4.5 L/hr	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	1.5-1.7 m below ground level
	Size and no of RWH tank(s) and Quantity:	No. of RWH tank: 1, Capacity of RWH tank: 84 m3, Size of RWH tank: 3.92 m x 6.64 m x 3.15 m
	Location of the RWH tank(s):	On ground
	Quantity of recharge pits:	0
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Rs. 18 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 2 Lakhs/annum
	Details of UGT tanks if any :	Sale Bldg.: Domestic: 99 m3/day, Flushing: 50 m3/day EWS/LIG Bldg.: Domestic: 14 m3/day, Flushing: 7 m3/day Commercial: Domestic: 16 m3/day, Flushing: 10 m3/day
35.Storm water drainage	**Natural water drainage pattern:**	As per contour
	Quantity of storm water:	451.9 m3/hr
	Size of SWD:	300 mm
Sewage and Waste water	**Sewage generation in KLD:**	116.02 m3/day
	STP technology:	MBBR
	Capacity of STP (CMD):	1 STP of 125 m3/day
	Location & area of the STP:	Location: Underground, Area: 102.11 m2
	Budgetary allocation (Capital cost):	Rs. 25 Lakhs
	Budgetary allocation (O & M cost):	Rs. 3 Lakhs/annum

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction waste will be generated from the building, mainly comprising of waste concrete, excavated soil, broken bricks, waste plaster, metallic scrap etc. Debris chute will be used to channelize the waste from the building to the point of pick up on ground.
	Disposal of the construction waste debris:	Construction debris will be used for base preparation of road and for site leveling.
Waste generation in the operation Phase:	**Dry waste:**	205 kg/day
	Wet waste:	265 kg/day
	Hazardous waste:	Small quantity of DG set used oil, paints etc.
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	11 kg/day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Handed over to authorized vendor
	Wet waste:	Treated in Organic Waste Convertor
	Hazardous waste:	Handed over to authorized vendor
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Dried and used as manure for gardening
	Others if any:	NA
Area requirement:	**Location(s):**	On stilt
	Area for the storage of waste & other material:	30 m2
	Area for machinery:	9.31 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 5 Lakhs
	O & M cost:	Rs. 0.5 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 :**	792.55 m2
	No of trees to be cut :	NA
	Number of trees to be planted :	48
	List of proposed native trees :	All native trees proposed which are listed below
	Timeline for completion of plantation :	Before completion of project

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Michelia champaca	Son chafa	7	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
2	Azadiracta indica	Neem	5	Releases oxygen, native & medicinal plant
3	Mimosops elengi	Bakul	4	Evergreen shade giving, flowering & medicinal tree
4	Cassia fistula	Bahawa	6	Ornamental & medicinal plant, relatively drought tolerant & slightly salt tolerant
5	Albizia lebbeck	Shirish	3	Shady tree, yellowish green fragrant flowers
6	Terminalia arjuna	Arjuna	8	Large evergreen tree
7	Syzygium cumini	Jambhul	6	Dense ornamental, fruit bearing tree
8	Saraca asoka	Sita Ashok	5	Shady tree with red-yellow flowers
9	Manilkara zapota	Chiku	4	Medium size , 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	Spider lily	0.23	-
2	Foxtail Palm	1	-
3	Golden Bamboo	0.45	-
4	Hibiscus	0.3	-

47.Energy

Power requirement:	**Source of power supply :**	MESDCL
	During Construction Phase: (Demand Load)	200 KW
	DG set as Power back-up during construction phase	1 of 100 KVA
	During Operation phase (Connected load):	Sale bldg.: 3160 KW, LIG/EWS bldg.: 180 KW
	During Operation phase (Demand load):	Sale bldg.: 1149 KW, LIG/EWS bldg.: 85 KW
	Transformer:	4 nos. of 630 KVA & 1 no. of 1000 KVA
	DG set as Power back-up during operation phase:	Sale bldg.: 1 of 180 KVA, LIG/EWS bldg.: 1 of 40 KVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

• Use of LED/CFL / T5 lamps & Electronic Ballast
• Solar water heating systems will be done
• Timer control for external & common area lighting
• Use of Star rated geysers and AC
• Use of solar light for street lighting, garden lighting, & common area lighting
Percentage of saving: 28%

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Energy saving using LED/CFL/T5 fixture & Electronic Ballast	92,480.05 KWH/annum
2	Energy saving using automatic Timer operation for external & common area lighting	1,43,988.85 KWH/annum
3	Energy saving using Solar Heating Water & Solar lights	41,852 KWH/annum
4	Energy saving using Star rated geysers and AC	6,61,923.85 KWH/annum
5	Energy saving using Solar light	23,725 KWH/annum
6	Energy saving using Energy efficient lamps	1,13,029.55 KWH/annum
7	Total	10,76,999.30 KWH/annum

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. 6 Lakhs/annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water For Dust Suppression	To control air pollution	2
2	Site Sanitation, Disinfection & Safety	To maintain hygienic condition	2.5
3	Environmental Monitoring	Air, water, noise and soil analysis	2
4	Health Check Up	To check fitness of workers	1.5
5	Environment Management cell	To manage environmental issues	2

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Rain Water Harvesting	To harvest rain water	18	2
2	Sewage Treatment Plant	To treat sewage	25	3
3	Organic Waste Convertor	To treat biodegradable solid waste	5	0.5
4	Tree Plantation	For green belt development	8	3
5	Energy saving	For use of solar lighting and solar heater	65	6
6	Environment Monitoring	Air, water, noise and soil analysis	-	2.5
7	Environment Management Cell	To manage environmental issues	-	7

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:	Separate entry & exit to 30 m wide road

Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	No. of Podium: 4, Area: 4547.37 m2
	Total Parking area:	5683 m2
	Area per car:	Stilt: 29.96 m2 , Podium 1: 26.79 m2, Podium 2: 26.17 m2 , Podium 3: 24.09 m2
	Area per car:	Stilt: 29.96 m2 , Podium 1: 26.79 m2, Podium 2: 26.17 m2 , Podium 3: 24.09 m2
	Number of 2-Wheelers as approved by competent authority:	Required: 18, Proposed: 18
	Number of 4-Wheelers as approved by competent authority:	Sale Building: 170, LIG/EWS Building: 20, Parking for commercial units: 21, Visitors parking: 22, Total: 233
	Public Transport:	NA
	Width of all Internal roads (m):	4.5 m and 8 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8 (a), B2
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for Proposed building construction project on Plot No. 25, sector 08, Ghansoli, Navi Mumbai by **Mr. Ambalal Gami (M/s. Shri Gami Infotech Pvt Ltd)**

PP submitted their application for prior Environmental clearance for total plot area of 4800.10 Sq. Mtrs, BUA of 25203 Sq. Mtrs and FSI area of 7198.68 Sq. Mtrs. PP proposes to construct 2 no. residential building (1 EWS & 1 Sale) having maximum height of 87.5 mtrs..

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, SEAC decided to recommend the proposal for prior EC, subject to PP complying with above conditions.

Specific Conditions by SEAC:

1) PP to explore possibility to use excess treated water.
2) PP to explore possibility to provide dedicated staircase for fire mitigation along with full hydrant system on the podium.

FINAL RECOMMENDATION

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

Agenda of 64 th SEAC-2 Meeting

SEAC Meeting number: 64 **Meeting Date** July 31, 2018

Subject: Environment Clearance for " Vasant Lawns, Thane " M/s. Sheth Developers Pvt. Ltd.

Is a Violation Case: No

1.Name of Project	" Vasant Lawns, Thane " M/s. Sheth Developers Pvt. Ltd.
2.Type of institution	Private
3.Name of Project Proponent	Shri Ashwin Sheth
4.Name of Consultant	Mr. H.K. Desai.
5.Type of project	Enviro Analysts & Engineers Pvt. Ltd. B-1003, Enviro House, 10th floor. Western Edge-II, W.E Highway. Borivali(E),Mumbai-400066
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	yes EC dated 27/12/2006, No.21448/2008-IA IIi
8.Location of the project	Plot bearing S. No. 35/4, 35/5, 35/8, 35/9(P), 35/10(P), 35/11, 51/4(P), 51/5(P), 52/1(P), 52/2, 53(P), 70/2, 70/3, 70/9(P), 70/10(P), 70/11, 70/13, 71/1, 71/3, 71/4, 71/5, 72/1(P), 72/4(P), 72/6, 72/7, 72/8, 72/10 & 526 at village Panch Pakhadi, Thane (West), Maharashtra.
9.Taluka	thane
10.Village	Panch pakadi
Correspondence Name:	Shri Ashwin Sheth
Room Number:	-
Floor:	-
Building Name:	Sheth House, Vasant Valley, Near Dindoshi Bus Depot
Road/Street Name:	Gen. A. K. Vaidya Marg,
Locality:	Opp. W.E. Highway, Malad East
City:	Mumbai
11.Area of the project	Thane Municipal Corporation(TMC)
12.IOD/IOA/Concession/Plan Approval Number	LOI Dated:23/02/2017
	IOD/IOA/Concession/Plan Approval Number: V.P. No. 2003/181
	Approved Built-up Area: 73720.29
13.Note on the initiated work (If applicable)	Work of FSI area of 62711.52 and Non FSI area of 23554.24 is completed as per EC dated 27/12/2006
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Date and construction area details mentioned in the approved\letter: Environmental Clearance (EC) received dated 27.12.2006
15.Total Plot Area (sq. m.)	39233.61
16.Deductions	1961. 68
17.Net Plot area	37271.93
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 73,720.29
	b) Non FSI area (sq. m.): 34,314.46
	c) Total BUA area (sq. m.): 108035.13
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)	12883.41
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	34.5 %
21.Estimated cost of the project	281

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building 1	Stilt + Podium + 22upper floor	83.10
2	Building 2	Stilt + Podium + 24 upper floors	86.30
3	Building 3	Stilt + Podium + 19 upper floor	73.80
4	Building 4	Stilt + Podium + 19 upper floor	73.80
5	Building 5	Stilt + Podium + 20 upper floors	73.80
6	Building 6	Stilt + Podium + 20 upper floors	73.80
7	Building 7	Stilt + Podium + 23 upper floors	83.10
8	Building 8	2 Basements + Stilt + Podium + 28 upper floors (proposed)	89.90
9	Building 9	2 Basements + Stilt + Podium + 28 upper floors (proposed)	89.90

23.Number of tenants and shops	Tenants: 808
24.Number of expected residents / users	4177
25.Tenant density per hectare	250/hector
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	15 mt. wide Service Road connected to Eastern Express Highway
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	Existing building no 1, 3, 4, 5, 6, 7 are completed and occupied as per EC received 27 December 2006. Building no Configuration 1 Stilt + Podium + 22upper floor 3 & 4 Stilt + Podium + 19 upper floor 5 & 6 Stilt + Podium + 20 upper floors 7 Stilt + Podium + 23 upper floors
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	TMC
	Fresh water (CMD):	376
	Recycled water - Flushing (CMD):	223
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	12
	Total Water Requirement (CMD) :	599
	Fire fighting - Underground water tank(CMD):	-
	Fire fighting - Overhead water tank(CMD):	-
	Excess treated water	-
Wet season:	**Source of water**	TMC and RWH tanks
	Fresh water (CMD):	376
	Recycled water - Flushing (CMD):	182
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	12
	Total Water Requirement (CMD) :	558
	Fire fighting - Underground water tank(CMD):	-
	Fire fighting - Overhead water tank(CMD):	-
	Excess treated water	-
Details of Swimming pool (If any)	one swimming pool	

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 no. 20 KLD
	Location of the RWH tank(s):	Ground
	Quantity of recharge pits:	6 nos. of recharge pits
	Size of recharge pits :	--
	Budgetary allocation (Capital cost) :	Rs. 30 Lakh
	Budgetary allocation (O & M cost) :	Rs. 2 Lakh/Year
	Details of UGT tanks if any :	Basement 2
35.Storm water drainage	**Natural water drainage pattern:**	The storm water collected through the storm water drains of adequate capacity will be discharged in to the municipal SWD.
	Quantity of storm water:	0.80 m3/sec
	Size of SWD:	Width 450-750 mm, Depth 150-1600mm
Sewage and Waste water	**Sewage generation in KLD:**	490 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	520KLD
	Location & area of the STP:	Under ground
	Budgetary allocation (Capital cost):	Rs. 30 Lakh
	Budgetary allocation (O & M cost):	Rs. 7.5 Lakh/Year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	-
	Disposal of the construction waste debris:	Construction waste shall be partly recycled and remaining shall be disposed to Authorized landfill sites
Waste generation in the operation Phase:	**Dry waste:**	1091 kg/day
	Wet waste:	727 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	20 kg/day
	Others if any:	-

Mode of Disposal of waste:	**Dry waste:**	Will be handed over to Local Recyclers
	Wet waste:	Processed in OWC. Manure obtained shall be used for landscaping / Gardening, Excess manure shall be sold to nearby end users.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Dry sludge will be used as manure.
	Others if any:	-
Area requirement:	**Location(s):**	Location(s) and total area provided for the storage and treatment of the solid waste: Located on ground level, 48 sq m
	Area for the storage of waste & other material:	-
	Area for machinery:	-
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 8 Lakh
	O & M cost:	Rs. 2.5 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 :**	on Ground: 3162.5 sq m, On Podium: 6157.84 sq m
	No of trees to be cut :	-
	Number of trees to be planted :	643
	List of proposed native trees :	-
	Timeline for completion of plantation :	-

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Bel	Aegle marmelos	1	-
2	X'mas tree	Araucaria columnaris	1	-
3	Supari	Areca catechu	36	-
4	Neem	Azadirachta indica	3	-
5	Bahawa	Cassia fistula	3	-
6	Coconut	Cocos nucifera	2	-
7	Gulmohar	Delonix regia	1	-
8	Vad	Ficus bengalensis	1	-
9	Umber	Ficus racemosa	1	-
10	Subabul	Leucaena leucocephala	3	-
11	Mango	Mangifera indica	2	-
12	Bakul	Mimusops elengi	17	-
13	Noni	Morinda citrifolia	2	-
14	Parijatak	Nyctanthus arbor-tristis	1	-
15	Yellow Gulmohar	Peltophorum pterocarpum	20	-
16	Pisonia	Pisonia alba	30	-
17	Champa	Plumeria alba	1	-
18	Champa	Plumeria pudica	1	-
19	Champa	Plumeria rubra	33	-
20	Ashoka	Polyalthia longifolia	10	-
21	Peru / Guava	Psidium guajava	2	-
22	Bottle palm	Roystonea oleracea	1	-
23	Spathodea	Spathodea campanulata	21	-
24	Tecoma yellow	Tecoma gaudichaudi	70	-
25	Badam	Terminalia catappa	1	-
26	Yellow Oleander	Thevetia peruviana	4	-
27	Washingtonia palm	Washingtonia robusta	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	Saptaparni	-	-
2	Supari	-	-
3	Jackfruit	-	-
4	Neem	-	-
5	Kanchan	-	-
6	Kanchan	-	-
7	Bismarckia palm	-	-
8	Umbrella Tree	-	-
9	Fishtail Palm	-	-
10	Cordia	-	-
11	Gulmohar	-	-
12	Triangular Palm	-	-
13	Fern Tree	-	-
14	Tamhan	-	-
15	Bakul	-	-
16	Parijatak	-	-
17	Yellow Gulmohar	-	-
18	Pygmy date palm	-	-
19	Date Palm	-	-
20	Champa	-	-
21	Champa	-	-
22	Champa	-	-
23	Champa	-	-
24	Peru / Guava	-	-
25	Travellers Palm	-	-
26	Bottle palm	-	-
27	Spathodea	-	-
28	Washingtonia palm	-	-

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	-
	DG set as Power back-up during construction phase	-
	During Operation phase (Connected load):	16337.04 KW
	During Operation phase (Demand load):	4517.69 KW
	Transformer:	-
	DG set as Power back-up during operation phase:	400 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	-

48.Energy saving by non-conventional method:

Sr. No. Description Annual MD load using conventional method (kWH) Annual MD load using energy saving (kWH) Annual energy saving in kWH Annual Energy saving in %
1. Residential 14241496 10410346 3831149 27
2. Common area lighting load 3147311 2557750 589561 19
Electrical load saving 3147311.34 2557750.41 589560.93 19

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Residential: Solar water heater considered in master bedroom of each flat. lighting-mainly led & cfl lights in residential bldgs. Along with energy efficient appliances and bee star rated fans/ac will be insisted to substantially reduce amount of electrical energy. Common area load: 100 % external lighting timer controlled operation for reducing amount of light at different stage as per req.& led lights will be used.	19%

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.60 Lakh
	O & M cost:	Rs. 2.5 Lakh/Year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	AIR POLLUTION	WATER FOR DUST SUPRESSION	8
2	HEALTH AND SAFETY	SITE SANITATION	6
3	ENVIRONMENTAL MONITORING	ENVIRONMENTAL MONITORING	10
4	HEALTH SAFETY	DISINFECTION	8
5	GOOD HEALTH PRACTICES	HEALTH CHECK UP	8

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Water conservation	RWH	30	2
2	Solid Waste	OWC	8	2.5
3	Waste water Management	STP	30	7.5
4	Solar Saving	Energy	60	2.5
5	Green Belt	Landscaping	12	1

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	The project site is accessible through the existing 12.20 m wide road.

Parking details:	**Number and area of basement:**	2 nos. basements
	Number and area of podia:	7 nos. podium
	Total Parking area:	17583.48
	Area per car:	-
	Area per car:	-
	Number of 2-Wheelers as approved by competent authority:	232
	Number of 4-Wheelers as approved by competent authority:	967
	Public Transport:	-
	Width of all Internal roads (m):	6.00 m wide internal roads
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Approx. 3.00 Km
	Category as per schedule of EIA Notification sheet	B
	Court cases pending if any	-
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for " Vasant Lawns, Thane " At Plot bearing S. No. 35/4, 35/5, 35/8, 35/9(P), 35/10(P), 35/11, 51/4(P), 51/5(P), 52/1(P), 52/2, 53(P), 70/2, 70/3, 70/9(P), 70/10(P), 70/11, 70/13, 71/1, 71/3, 71/4, 71/5, 72/1(P), 72/4(P), 72/6, 72/7, 72/8, 72/10 & 526 at village Panch Pakhadi, Thane (West), Maharashtra by **M/s. Sheth Developers Pvt. Ltd.**

PP submitted their application for Expansion of Environmental clearance for total plot area of 39233.61 Sq. Mtrs, BUA of 108035.13 Sq. Mtrs and FSI area of 73720.29 Sq. Mtrs. PP proposes to construct 9 no. residential building having maximum height of 89.90 mtrs..

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 defer the proposal for compliance of above points.

Specific Conditions by SEAC:

1) PP to submit design details of STP along with technology considering expansion load.
2) PP to submit nalha remark.
3) PP to provide RG on the ground and submit revised RG plan accordingly.
4) PP to submit "HRC" NOC.
5) PP to submit CFO NOC.

FINAL RECOMMENDATION

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

Agenda of 64 th SEAC-2 Meeting

SEAC Meeting number: 64 **Meeting Date** July 31, 2018

Subject: Environment Clearance for Residential cum commercial project on plot bearing CTS 626/1 to 626/3 at Village Oshiwara, Tehsil Andheri, District Mumbai Suburban

Is a Violation Case: No

1.Name of Project	M/s. Urmilaben Parikh
2.Type of institution	Private
3.Name of Project Proponent	Urmilaben Parikh
4.Name of Consultant	Dr. D. A. Patil, Mahabal Enviro Engineers Pvt. Ltd.
5.Type of project	Residential Housing and Commercial Project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in existing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No, Existing buildings doesn't come under purview of Environmental Clearance
8.Location of the project	At Plot Bearing CTS 626/1 to 626/3 at Village Oshiwara, Tehsil Andheri, District Mumbai Suburban, Maharashtra
9.Taluka	Andheri
10.Village	Oshiwara
Correspondence Name:	Urmilaben Parikh
Room Number:	-
Floor:	-
Building Name:	Vrindavan Building, 33, Hatkesh Society
Road/Street Name:	5th Road
Locality:	Juhu Scheme
City:	Mumbai 400056
11.Area of the project	Municipal Corporation of Greater Mumbai
12.IOD/IOA/Concession/Plan Approval Number	Sterling Co-op Hsg. Scoiety IOD: 14/09/1990 CC: 10/04/1991 OC: 20/08/1998, Aston Tower IOD: 04/03/1998 CC: 22/02/2006 OC (Wing A): 22/04/2013, CE/6037/WS/AK dated 02.11.2016
	IOD/IOA/Concession/Plan Approval Number: CE/6037/WS/AK dated 02.11.2016
	Approved Built-up Area: 28535.61
13.Note on the initiated work (If applicable)	Construction of commercial Wing A (2 B + G+ 16 floors) of Aston Tower has been completed and OC was received in 2013. 8 floors of the proposed residential Wing B (1 B + Stilt +2 Podium + 8 residential floors) of Aston Tower has been completed. The constructed area is 24,124.20 m2
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Approved Plan CE/6037/WS/AK dated 02.11.2016
15.Total Plot Area (sq. m.)	12510.8 sq.m
16.Deductions	1058.7 sq.m
17.Net Plot area	11452.1 sq.m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 17,187.06 m2
	b) Non FSI area (sq. m.): 11,348.55 m2
	c) Total BUA area (sq. m.): 28535.61
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)	2576 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	22.49 %
21.Estimated cost of the project	400000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Sterling Tower	Ground + 7 (Occupied in 1998)	24 m
2	Aston Tower (Wing A)	2 Basement + Ground + 16 floors (Occupied in 2013)	59.95 m
3	Aston Tower (Wing B)	1 Basement + Stilt + 2 Podiums + 19 floors	67.85 m

23.Number of tenants and shops	53 tenements; 116 offices
24.Number of expected residents / users	Commercial Wing A: 1083; Residential Wing B: 265; Total: 1348 Nos.
25.Tenant density per hectare	148
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	27.45 m (Achyutrao Patwardhan Marg) & 13.4 m (Sundervan Complex Road)
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	Sterling Tower (Gr+7 floors); Aston Tower Wing A (2 Basements + Ground + 16 floors)
30.Details of the demolition with disposal (If applicable)	Not Applicable

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	MCGM/ Recycled
	Fresh water (CMD):	40 KLD
	Recycled water - Flushing (CMD):	45 KLD
	Recycled water - Gardening (CMD):	13 KLD
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	85 KLD
	Fire fighting - Underground water tank(CMD):	100 m3
	Fire fighting - Overhead water tank(CMD):	30 m3
	Excess treated water	17 KLD
Wet season:	**Source of water**	MCGM/Recycled
	Fresh water (CMD):	40 KLD
	Recycled water - Flushing (CMD):	45 KLD
	Recycled water - Gardening (CMD):	0 KLD
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	85 KLD
	Fire fighting - Underground water tank(CMD):	100 m3
	Fire fighting - Overhead water tank(CMD):	100 m3
	Excess treated water	30 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**
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:**	3 to 4 m
	Size and no of RWH tank(s) and Quantity:	1 tank of 50 cum capacity
	Location of the RWH tank(s):	Ground Level
	Quantity of recharge pits:	Nil
	Size of recharge pits :	Not Applicable
	Budgetary allocation (Capital cost) :	Rs. 8.5 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 1.0 Lakhs/year
	Details of UGT tanks if any :	Below Ground
35.Storm water drainage	**Natural water drainage pattern:**	The natural drainage pattern is towards south direction
	Quantity of storm water:	0.110 m3/sec
	Size of SWD:	600 mm wide Channel
Sewage and Waste water	**Sewage generation in KLD:**	76 KLD
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	1 STP of Capacity 80 KLD
	Location & area of the STP:	1st Podium
	Budgetary allocation (Capital cost):	Rs. 16 lakhs
	Budgetary allocation (O & M cost):	Rs. 4 lakhs/year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	252 m3
	Disposal of the construction waste debris:	The construction debris will be disposed as per 'Construction and Demolition and Desilting Waste (Management and Disposal) Rules, 2006
Waste generation in the operation Phase:	**Dry waste:**	139.6 kg/day
	Wet waste:	209.4 kg/day
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	1 KLD
	Others if any:	No

Mode of Disposal of waste:	**Dry waste:**	Recyclable waste will be sold to local vendors, inert waste will be sent to MCGM authorized landfill
	Wet waste:	Will be Treated in an Organic Waste Converter
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	1 m3
	Others if any:	No
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	15 m2
	Area for machinery:	15 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	RS. 6 Lakhs
	O & M cost:	Rs. 3 Lakhs/year

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	2635.32 m2
	No of trees to be cut :	0
	Number of trees to be planted :	60 Nos.
	List of proposed native trees :	As below
	Timeline for completion of plantation :	2 years

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Albizia lebbeck	Shirish	10	Shady tree, yellowish green fragrant flowers
2	Mimusops elengi	Bakul	15	Shady tree, small white fragrant flowers
3	Nyctanthes arbortristis	Parijatak	10	Small deciduous fast growing tree, beautiful flowrers.
4	Caryota urens	Fish tail palm	8	Tall evergreen tree
5	Michelia champaca	Son chafa	7	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
6	Areka katechu	Supari	10	-
7	TOTAL	-	60	-

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	0	0

47.Energy

Power requirement:	**Source of power supply :**	Tata Power
	During Construction Phase: (Demand Load)	30 kW
	DG set as Power back-up during construction phase	-
	During Operation phase (Connected load):	2.54 MW
	During Operation phase (Demand load):	1.75 MW
	Transformer:	-
	DG set as Power back-up during operation phase:	1 x 400 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	None

48.Energy saving by non-conventional method:

- Natural shading through elevation features to minimize heat gain and reduce air-conditioning requirement
- Solar lighting in common areas, garden and road
- Solar hot water for residential buildings
- Energy efficient lighting fixtures (LED lights) to all buildings
- Energy Efficient multi-speed pumps & Motors for STP, UG & FF.
- Energy efficient lifts

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total Energy Saving	20.1%

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 50 Lakh
	O & M cost:	Rs. 5 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	Site Barricading	Noise, Dust	4.0
2	Health Checkup, Safety, Training, First aid, PPE	Health & Safety	17.5
3	Signboards, Watchmen	Traffic	4.50

4	Toilets with Septic Tank	Wastewater	2.0
5	Site cleaning, waste segregation	Solid Waste	1.5
6	Environmental Monitoring	-	2.0
7	Water Supply	-	2.0
8	TOTAL	-	33.5

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP (Tertiary)	Continuous O & M	16	4
2	Solar System	Weekly	50	5
3	Rain Water Harvesting	During rainy season (Cleaning of RWH tanks and Filtration chamber)	8.5	1
4	Solid waste Composting plant	Continuous O & M	6	3
5	Landscape development	Daily	6	3
6	Environmental Monitoring	As per the CPCB guidelines through MoEF Approved laboratories	-	4.0
7	DMP Costing	-	172	11.1
8	Total	-	278.5	31.1

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 junctions abutting the Achyutrao Patwardhan Marg and 4 junctions abutting Sundervan Complex Road

Parking details:	**Number and area of basement:**	2 basements in existing wing A, Area= 4622 sq.m; 1 basement in proposed Wing B, Area= 861.2 sq.m; Total Basement Area=5483.2 sq.m
	Number and area of podia:	2 podiums in proposed Wing B, Area= 1723.4 sq.m
	Total Parking area:	7631.4 sq.m
	Area per car:	For Existing Wing A= 26.3 sq.m; For Proposed Wing B= 35.4 sq.m; Total: 29.2 sq.m
	Area per car:	For Existing Wing A= 26.3 sq.m; For Proposed Wing B= 35.4 sq.m; Total: 29.2 sq.m
	Number of 2-Wheelers as approved by competent authority:	-
	Number of 4-Wheelers as approved by competent authority:	Existing Wing A= 176; Proposed Wing B= 85; Total: 261
	Public Transport:	BEST bust stop in the immediate vicinity of the project
	Width of all Internal roads (m):	6.0 m
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	7.0 Km from Sanjay Gandhi National Park
	Category as per schedule of EIA Notification sheet	8 (a)
	Court cases pending if any	None
	Other Relevant Informations	The project is recommended for Environmental Clearance by SEAC II in its 51st meeting held on 19th & 20th Oct 2016
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for Residential cum commercial project on plot bearing CTS 626/1 to 626/3 at Village Oshiwara, Tehsil Andheri, District Mumbai Suburban by **Urmilaben Parikh.**

PP submitted their application for Expansion of Environmental clearance for total plot area of 12510.8 Sq. Mtrs, BUA of 28535.61 Sq. Mtrs and FSI area of 17187.06 Sq. Mtrs. PP proposes to construct 3 no. residential and commercial building(wings) having maximum height of 67.85 mtrs.

DECISION OF SEAC

The case was already recommended by SEAC-2 Committee in its 51st Meeting which was held on 19.10.2016.

Committee decide to transfer the proposal online to SEIAA. for prior EC, subject to PP complying with conditions given in 51st Meeting.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

Agenda of 64 th SEAC-2 Meeting

SEAC Meeting number: 64 **Meeting Date** July 31, 2018

Subject: Environment Clearance for Expansion of Proposed SR Scheme

Is a Violation Case: No

1.Name of Project	Expansion of Proposed SR Scheme
2.Type of institution	Private
3.Name of Project Proponent	M/s Omkar Realtors & Developers Pvt. Ltd.
4.Name of Consultant	M/s Enviro Analysts & Engineers Pvt. Ltd.
5.Type of project	SRA Scheme
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in Existing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Prior Environmental clearance received vide letter No. SEAC 2010/CR.29/TC.2 dtd. 10th November, 2010 and subsequent amendments.
8.Location of the project	bearing CTS No. 811A/7 (pt), 812, 813, 814A/1 to 814A/4, 821, 824, 825 (pt) & 844 of village Malad (East),
9.Taluka	borivali
10.Village	malad
Correspondence Name:	Mr. B.P Singh
Room Number:	--
Floor:	--
Building Name:	omkar Sqaure
Road/Street Name:	M/s Omkar Realtors and developers Pvt Ltd. Omkar Square Off Eastern Express Highway
Locality:	OppSion-Chunnabhatti Signal Sion (E)-400022
City:	Mumbai, Maharashtra
11.Area of the project	Within Municipal Corporation of Greater Mumbai
12.IOD/IOA/Concession/Plan Approval Number	LOI from SRA
	IOD/IOA/Concession/Plan Approval Number: SRA/ENG/1759/PN/PL&STGL/LOI dtd.16th May, 2017
	Approved Built-up Area: 249109
13.Note on the initiated work (If applicable)	Work has been initiated as per Prior Environmental clearance received vide letter No. SEAC 2010/CR.29/TC.2 dtd. 10th November, 2010 and subsequent amendments.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	SRA/ENG/1759/PN/PL&STGL/LOI dtd.16th May, 2017
15.Total Plot Area (sq. m.)	59598.9 Sq.m
16.Deductions	12086.3 Sq. m
17.Net Plot area	47512.6 Sq. m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 2,34,219.81Sq.m + 14,889.45 Sq.m (Fungible FSI)
	b) Non FSI area (sq. m.): 4,29,829.51 Sq.m
	c) Total BUA area (sq. m.): 678938
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 2,34,219.81Sq.m + 14,889.45 Sq.m (Fungible FSI)
	Approved Non FSI area (sq. m.): 4,29,829.51 Sq.m
	Date of Approval: 16-05-2017
19.Total ground coverage (m2)	37497.18 Sq.m
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	62.92%
21.Estimated cost of the project	13590000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Rehab Building 1 – Wing A,B,C	G+23 Floors	69.95
2	Rehab Building 2 – Wing A,B,C	LG+G+22 floors	68.45
3	Rehab Building 2-Wing D	LG+G+23 floors	69.65
4	Rehab Building 2 – Wing E	LG + G + 29 Floors	88.55
5	Sale Building 1 – Tower A	1 LG. Lvl. + G + 5 Podium + Stilt +45 Floors	185.3
6	Sale Building 1 – Tower B	1 LG. Lvl. + G + 5 Podium + Stilt + 50 floors + 51st (pt) Floors	205.1
7	Sale Building 1 – Tower C	1 LG. Lvl. + G + 5 Podium + Stilt + 55 Floors	218.30
8	Sale Building 1 –Tower D	2 LG. Lvl. + G + 5 Podium + Stilt + 54 Flrs	247.85
9	Sale Residential Building 2 (Wing A, B & C):	Gr/Stilt + 1st to 33rd upper floors connected to parking structure of Gr. + 9 podiums + Amenity level by 2 Basements	104.1

23.Number of tenants and shops	Rehab: Residential: 2937 nos. R/C: 16 nos. Shop: 257 nos. W.C.: 01 no. Religious: 15 nos. Assembly Hall: 01 no. BWS: 73 nos. PHC: 04 nos. Sale: Sale Bldg. 1: 1448 Flats Sale Bldg. 2: 588 Flats, 4 Office & 6 Shop
24.Number of expected residents / users	Rehab: 14765 nos., Commercial- 514 nos., Sale: 10180 nos.
25.Tenant density per hectare	3088
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	61.0 mt wide western express highway
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	7.5 m
29.Existing structure (s) if any	construction as per the EC vide dated letter No. SEAC 2010/CR.29/TC.2 dtd. 10th November, 2010 and subsequent amendments.
30.Details of the demolition with disposal (If applicable)	Demolition of slum had been done

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	MCGM/STP Recylced
	Fresh water (CMD):	2379
	Recycled water - Flushing (CMD):	1271
	Recycled water - Gardening (CMD):	25
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	3675
	Fire fighting - Underground water tank(CMD):	-
	Fire fighting - Overhead water tank(CMD):	-
	Excess treated water	1833
Wet season:	**Source of water**	MCGM/STP Recylced / RWH
	Fresh water (CMD):	2379
	Recycled water - Flushing (CMD):	1271
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	3650
	Fire fighting - Underground water tank(CMD):	-
	Fire fighting - Overhead water tank(CMD):	-
	Excess treated water	1808
Details of Swimming pool (If any)	Not Proposed	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	0.65 mt to 8.20 mt below ground surface
	Size and no of RWH tank(s) and Quantity:	Sale Building 1(Tower A, B, C & D): 3 nos. of RWH Tanks of total capacity 230 cum Sale Building 2 (Wing A, B & C): 1 no. of RWH Tank of capacity 57 cum Rehab: 7 nos. of RWH Tanks of total capacity 450 cum
	Location of the RWH tank(s):	below ground
	Quantity of recharge pits:	not proposed
	Size of recharge pits :	not applicable
	Budgetary allocation (Capital cost) :	80.0 lakhs
	Budgetary allocation (O & M cost) :	10.00 lakshs/annum
	Details of UGT tanks if any :	domestic flushing Rain water harvesting tank Fire Fighting Water storage tank
35.Storm water drainage	**Natural water drainage pattern:**	From east to west
	Quantity of storm water:	Total Runoff for Rehab: 1.398 Cum/sec, Total Runoff for Sale: 0.430 Cum/sec
	Size of SWD:	300, 450 & 600 mm wide SWD
Sewage and Waste water	**Sewage generation in KLD:**	Sale Building 1(Tower A, B, C & D): 1041 KLD Sale Building 2 (Wing A, B & C): 363 KLD Rehab: 1883 KLD,
	STP technology:	MBBR
	Capacity of STP (CMD):	Sale Building 1(Tower A, B, C & D): 1050 KLD Sale Building 2 (Wing A, B & C): 390 KLD Rehab Building: 2000 KLD,
	Location & area of the STP:	Underground
	Budgetary allocation (Capital cost):	200.0 Lakhs
	Budgetary allocation (O & M cost):	30.00 Lakhs/Annum

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	-
	Disposal of the construction waste debris:	-
Waste generation in the operation Phase:	**Dry waste:**	4930 kg/day
	Wet waste:	7395 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	16.43 Kg/day
	Others if any:	-

Mode of Disposal of waste:	**Dry waste:**	Shall be given to vendors
	Wet waste:	Shall be treated in OWC
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Shall be used as a manure
	Others if any:	NA
Area requirement:	**Location(s):**	Above ground
	Area for the storage of waste & other material:	Rehab: 120 Sq.m Sale: 205.80 Sq.m
	Area for machinery:	Rehab: 15 Sq.m Sale: 22 Sq.m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	70 Lakhs
	O & M cost:	12 Lakhs/year

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	17541.41 Sq.m
	No of trees to be cut :	16
	Number of trees to be planted :	101
	List of proposed native trees :	Pongamia pinnata,Bauhinia racemosa,Azadiracta indica,Anthocephallus cadamba,Cassia fistula,Saraca asoka,Mimusops elengi,Michalia champaca,Ficus retusa,Butea monosperma, Albizia lebbeck
	Timeline for completion of plantation :	Till completion of project

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Pongamia pinnata	Karanj	10	Shady tree
2	Bauhinia racemosa	Apta	25	Small tree with small white flowers, butterfly host plant
3	Azadiracta indica	Neem	17	Large tree, good for roadside plantation
4	Anthocephallus cadamba	kadamb	06	Shadt, large deciduous tree, fast growing graceful tree, ball shaped flowers
5	Cassia fistula	Bhava	10	Medium sized deciduous tree, beautiful yellow flowers, Butterfly host plant
6	Saraca asoka	Sita Ashoka	05	Shady tree with red yellow flowers
7	Mimusops elengi	Bakul	10	shady tree, small white fragrant flowers
8	Michalia champaca	Sonchapa	05	Medium sized evergreen tree, fragrant yellow flowers, butterfly host plant
9	Ficus retusa	nandruk	03	shady tree, good for roadside plantation
10	Butea monosperma	Palas	05	Medium sized deciduous tree. Beautiful orange flowers, Butterfly host plant
11	Albizia lebbeck	Shirish	05	Medicinal purpose
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	Kaner	-	-
2	White plumbago (Chitrak)	-	-
3	Kusar/Ran jai	-	-
4	Krushna kamal	-	-

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	100 kVA
	DG set as Power back-up during construction phase	-
	During Operation phase (Connected load):	Sale Building 1(Tower A, B, C & D): 3086 KW Sale Building 2 (Wing A, B & C): 11021 KW Rehab Building: 10041 KW
	During Operation phase (Demand load):	Sale Building 1(Tower A, B, C & D): 2469 KW Sale Building 2 (Wing A, B & C): 4611 KW Rehab Building: 6458 KW
	Transformer:	-
	DG set as Power back-up during operation phase:	Sale Building 1(Tower A, B, C & D): 5 X 750 KVA Sale Building 2 (Wing A, B & C): 1 x 1010 kVA Rehab Building: 2 X 750 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

By Using CFL / T5 Lamps & Electronic Ballast
By using LED Light in Lift Lobbies
VFD by using Lift
External Lighting will be on Solar lighting system

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Due to CFL	2681 units
2	Saving due to LED lamp	80 units
3	Saving due to VFD	1575 units
4	saving due to solar lighting	642 units

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:**	45 lakhs
	O & M cost:	6 Lakhs/Annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water Sprinkling System	0.8

2	Water Environment	Water for construction works and mobile toilets.	1.8
3	Water Environment	Water for construction works and mobile toilets.	1.8
4	Land environment	Mobile STP	0.6

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Rain Water harvesting	RWH tanks	80	10
2	Solid waste management	segregation storage treatment in OWC	70	12
3	Waste water management	Sewage treatment plant	200	30
4	Energy saving	saving through various saving methods	45	6.0
5	landscaping	Tree plantation	70	7.0

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	2 no entry exit through western express highway

Parking details:	**Number and area of basement:**	Sale bldg. 2 – 2 nos. basement and area = 6087.59 sq.mt.
	Number and area of podia:	Sale bldg. 2 – 9 nos. podium + amenity lvl. And area = 9593.33 sq.mt
	Total Parking area:	Sale Bldg. 1: 4 wheeler: 1831 nos. Sale Bldg. 2: 4 wheeler: 208 nos.
	Area per car:	Basement: 32 m2 Podium: 28 m2
	Area per car:	Basement: 32 m2 Podium: 28 m2
	Number of 2-Wheelers as approved by competent authority:	58 Nos.
	Number of 4-Wheelers as approved by competent authority:	Sale Bldg. 1: 4 wheeler: 1831 nos. Sale Bldg. 2: 4 wheeler: 208 nos.
	Public Transport:	NA
	Width of all Internal roads (m):	Min 6.0 mt
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park within 0.5 Km
	Category as per schedule of EIA Notification sheet	8 (b) B1
	Court cases pending if any	National Green Tribunal Appeal No 14 of 2014 Order dated 2nd February 2015was just to inform the customers that it is subject to final outcome of this case. It was passed when Notification of Eco Sensitive Zone of Sanjay Gandhi National Park was not passed.
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for Expansion of Proposed SR Scheme at plot bearing CTS No. 811A/7 (pt), 812, 813, 814A/1 to 814A/4, 821, 824, 825 (pt) & 844 of village Malad (East) by **M/s Omkar Realtors & Developers Pvt. Ltd.**

PP submitted their application for Expansion/ amendment of Environmental clearance for total plot area of 59598.9 Sq. Mtrs, BUA of 678938 Sq. Mtrs and FSI area of 234219.81 Sq. Mtrs +14889.45 Sq. Mtrs (fungible FSI). PP proposes to construct 9 no. residential building (11 wings) having maximum height of 247.85 mtrs.

The Proposed Project is an Expansion of Slum Rehabilitation Scheme on plot bearing CTS No. 811A/7 (pt), 812, 813, 814A/1 to 814A/4, 821, 824, 825 (pt) & 844 of village Malad(East), 'P/N' Ward of M.C.G.M, Mumbai for Janubhoye S.R.A. C.H.S. (Ltd), Rajiv S.R.A. C.H.S.(Ltd.), Khot Pragati S.R.A. C.H.S. (Ltd.), Shree Shiv Kokan S.R.A. CHS (Ltd.), Aikyavardhak S.R.A. CHS (Ltd.), Shiv Sahyadri S.R.A. C.H.S. (Ltd.), Malad (E) P/N ward of M.C.G.M., Mumbai.

The EIA studies for the said project were carried out from October 2016 to December 2016. The EIA presentation was done to the EAC in the 20th EAC meeting.

Accordingly, project had received EC from MoEF & CC on 4th Dec, 2017 vide letter no: F No. 21-22/2017-IA-III.

Now the amendment sought is due to addition of plot, change in tenement numbers and user change. PP propose to amendment in Rehab Wing D (Bldg No 2) from 39 floors to 23 floors, Rehab Wing E (Bldg No 2) from 40 floors to 29 floors and also there is user change of Sale Building 2 from IT to Residential.

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) B1.

DECISION OF SEAC

After deliberation, SEAC decided to recommend the proposal for prior EC, subject to PP complying with following conditions.

Specific Conditions by SEAC:

1) PP to upload EMP considering the proposed expansion.
2) Since earlier EC was given by MoEF & CC,the conditions imposed by MoEF in EC will continuous to this proposed expansion.

FINAL RECOMMENDATION

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

Agenda of 64 th SEAC-2 Meeting

SEAC Meeting number: 64 **Meeting Date** July 31, 2018

Subject: Environment Clearance for Expansion and amendment in EC for Slum Rehabilitation Scheme at village - Oshiwara, Taluka – Andheri, Mumbai.

Is a Violation Case: No

1.Name of Project	Slum Rehabilitation Scheme
2.Type of institution	Private
3.Name of Project Proponent	M/s. Transcon Developers Pvt. Ltd.
4.Name of Consultant	M/s. Ultra-Tech
5.Type of project	SRA scheme
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion & Amendment in existing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	This project has received prior Environmental Clearance (EC), details are as follows: 1st EC: From SEIAA, Maharashtra: 23rd March, 2011 (File No. SEAC-2010/CR.534/TC.2), 2nd EC: From SEIAA, Maharashtra: 28th January, 2016 (File. No.: SEAC-2212/CR 401/TC-2) ,3rd EC: From EAC, Delhi MoEF & CC: 29th August, 2017 (F.No. 21-20/2017-IA-III)
8.Location of the project	CTS No. 695, 705(part), 705/2, 720/A/5, , 720/84 to 1, 42, 720/143 to 154,720/155 to 160725, 725/7 to 18,725/19 to 22, 725/23,725/24 to70 and 728, 729, 730(pt), 731, 731/1, 732 (part) & 732/1 to 732/15(part), 737/8/1, 737/8/2 (pt), 702, 704,704/1 to 79 at village - Oshiwara, Taluka – Andheri, Mumbai.
9.Taluka	Andheri
10.Village	Oshiwara
Correspondence Name:	M/s. Transcon Developers Pvt. Ltd.
Room Number:	C-302
Floor:	--
Building Name:	Waterford building
Road/Street Name:	--
Locality:	Above Navnit Motors, Juhu Galli, Andheri West
City:	Andheri, Mumbai
11.Area of the project	Municipal Corporation : Municipal Corporation of Greater Mumbai (M.C.G.M.) Planning Authority: Slum Rehabilitation Authority
12.IOD/IOA/Concession/Plan Approval Number	Received IOA from Slum Rehabilitation Authority
	IOD/IOA/Concession/Plan Approval Number: SRA/DDTP/633/KW/PL/AP , SRA/DDTP/0540/KW/PL/AP
	Approved Built-up Area: 51151.56
13.Note on the initiated work (If applicable)	This project has received prior Environmental Clearance (EC), details are as follows: 1st EC: From SEIAA, Maharashtra: 23rd March, 2011 (File No. SEAC-2010/CR.534/TC.2) 2nd EC: From SEIAA, Maharashtra: 28th January, 2016 (File. No.: SEAC-2212/CR 401/TC-2) 3rd EC: From EAC, Delhi MoEF & CC: 29th August, 2017 (F.No. 21-20/2017-IA-III) Received IOA and CC from SRA. Total constructed work on site till date (FSI + Non FSI): 48,216.83 Sq.mt.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	LOI from Slum Rehabilitation Authority dt. 25.05.2017.
15.Total Plot Area (sq. m.)	23,911.40 Sq. mt.
16.Deductions	775.30 Sq. mt.
17.Net Plot area	23,136.10 Sq. mt.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 99,087.51 Sq.mt. (Including Fungible Area)
	b) Non FSI area (sq. m.): 1,14,889.37 Sq.mt.
	c) Total BUA area (sq. m.): 213976.88
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 51151.56
	Approved Non FSI area (sq. m.): 37997.40
	Date of Approval: 26-07-2017
19.Total ground coverage (m2)	9793.08 sq. mt.

20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	42%
21.Estimated cost of the project	9665500000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Rehabilitation Building 1	Ground + 21 Floors	64.10
2	Rehabilitation Building 2	2 Basements + Ground + 19 floors	58.25
3	PTC Building	2 Basements + Ground + 19 floors	58.25
4	Sale Tower A	Basement (P1) + Stilt (P2) + 3 Podium (P3 to P5) + E-Deck (P6) + 7th to 38th Floors	125.15
5	Sale Tower B	3 Basements (B1, B2, P1) + Stilt (P2) + 3 Podium (P3 to P5) + E-Deck (P6) + 7th to 32nd Floors	109.25
6	Sale Tower C	3 Basements (B1, B2, P1) + Stilt (P2) + 3 Podium (P3 to P5) + E-Deck (P6) + 7th to 38th Floors	127.55
7	Sale Tower D	3 Basements (B1, B2, P1) + Stilt (P2) + 4 Podium (P3 to P6) + E-deck (P7) + 7th to 26th Floors	84.00
8	Sale Tower E	Basement (P1) + Stilt (P2) + 3 Podium (P3 to P5) + E-Deck (P6)+ 7th to 32nd Floor	105.05

23.Number of tenants and shops	Rehabilitation Building 1: Flats: 97 Nos. Project Affected Person (PAP): 41 Nos. Residential/ Commercial (R/C): 2 Nos. Shops: 3 Nos. Balwadi: 2 Nos. Welfare Centre: 2 Nos. Society Office: 2 Nos. Rehabilitation Building 2: Flats: 441 Nos. Residential/ Commercial (R/C): 4 Nos. Shops: 33 Nos. Balwadi: 5 Nos. Welfare Centre: 5 Nos. Society Office: 4 Nos. PTC Building: Flats: 227 Nos. Balwadi: 2 No. Welfare Centre: 2 Nos. Society Office: 2 Nos. Sale Building (Tower A to E) : 871 No.
24.Number of expected residents / users	7949 Nos.
25.Tenant density per hectare	743/hectors
26.Height of the building(s)	

27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	It is connected by 10.00 mt. wide Existing Road and 27.45 mt. wide Veera Desai 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.
29.Existing structure (s) if any	Part construction completed as per earlier EC. Slums exist on part portion of the plot which has been partly demolished.
30.Details of the demolition with disposal (If applicable)	Demolition debris shall be partly recycled and remaining shall be disposed to the authorized land fill site.

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	M.C.G.M/ Tanker water for Swimming pool make up
	Fresh water (CMD):	703 KLD
	Recycled water - Flushing (CMD):	352 KLD
	Recycled water - Gardening (CMD):	14 KLD
	Swimming pool make up (Cum):	3 KLD
	Total Water Requirement (CMD) :	1072 KLD
	Fire fighting - Underground water tank(CMD):	12500 KL
	Fire fighting - Overhead water tank(CMD):	440 KL
	Excess treated water	459 KLD

Wet season:	**Source of water**	M.C.G.M/ Tanker water for Swimming pool make up/ Partly by RWH tank
	Fresh water (CMD):	703 KLD
	Recycled water - Flushing (CMD):	352 KLD
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	3 KLD
	Total Water Requirement (CMD) :	1058 KLD
	Fire fighting - Underground water tank(CMD):	12500 KL
	Fire fighting - Overhead water tank(CMD):	440 KL
	Excess treated water	473 KLD
Details of Swimming pool (If any)	Swimming pool volume: 210 m3 Swimming pool make up water requirement: 3 KL	

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:**	1.20 mt. to 3.8 mt. below ground surface
	Size and no of RWH tank(s) and Quantity:	7 RWH tanks of total capacity 302 KL
	Location of the RWH tank(s):	Basement level
	Quantity of recharge pits:	Nil
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Rs. 51.20 Lacs
	Budgetary allocation (O & M cost) :	Rs. 1.90 Lacs/annum
	Details of UGT tanks if any :	Location of UG tanks: Basement

35.Storm water drainage	**Natural water drainage pattern:**	The storm water collected through the storm water drains of adequate capacity will be discharged in to the external drain.
	Quantity of storm water:	0.51 m3/sec
	Size of SWD:	As per SWD NOC
Sewage and Waste water	**Sewage generation in KLD:**	916 KLD
	STP technology:	Moving Bed Bio Reactor (MBBR)
	Capacity of STP (CMD):	7 STPs of total capacity 1005 KL
	Location & area of the STP:	Location: Basement level , Area: 913 sq.mt.
	Budgetary allocation (Capital cost):	Rs. 383.59 Lacs
	Budgetary allocation (O & M cost):	Rs. 84.30 Lacs/annum

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Excavation material shall be partly used on site for road leveling and remaining shall be disposed to authorized landfill site as per permission from M.C.G.M.
	Disposal of the construction waste debris:	Construction waste shall be partly recycled and partly disposed to the authorized site with the permission of M.C.G.M.
Waste generation in the operation Phase:	**Dry waste:**	2107 kg/day
	Wet waste:	1405 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	137 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):	Use as manure
	Others if any:	NA
Area requirement:	**Location(s):**	Stilt level
	Area for the storage of waste & other material:	134 Sq. mt.
	Area for machinery:	84 Sq. mt.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 63.00 Lacs
	O & M cost:	Rs. 11.71 Lacs/annum

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	2120.60 sq.mt.
	No of trees to be cut :	Already cut: 12 Nos. Trees to be cut: 22 Nos.
	Number of trees to be planted :	Already Planted: 84 Nos. To be Planted: 200 Nos.
	List of proposed native trees :	As shown below
	Timeline for completion of plantation :	At the time of completion of project

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance

1	Caesalpinia ferrea	Leopard tree	30	• The wood may also be used for flooring, fancy furniture, and handgun grips. • Its wood is often used for making fingerboards for electric basses and guitars. • The Leopard tree grows up to 15m, forming a broad, flat-topped crown. • Posses medicinal properties.
2	Plumeria rubra	Common frangipani	50	• Shrub or small tree • Flower colours range from the common pink to white with shades of yellow in the centre of the flower. • They tolerate a wide variety of soils, from acid to alkaline and sandy to clay.
3	Ficus bengamina	Weeping fig	12	• It is a semi-deciduous to deciduous flowering tree.
4	Azardichta indica	Neem	10	• Large tree, fast-growing evergreen tree, drought resistance, Medicinal properties, good for roadside plantation
5	Cocos nucifera	Coconut palm	15	• Fruit is used in different ways in all Indian & International recipes while cooking. • Its Fiber is used for coir production. • Broom is made from its leaves. • Its fruit water is widely used especially by patients.
6	Murraya paniculata	Kunti	21	• Small tropical, evergreen tree, Fragrant white flowers, planted as ornamental tree, it has potential of medicinal properties, family tree for bees,Butterfly host plant
7	Mimusops elengi	Bakul	10	• Shady medium-sized evergreen tree, small white fragrant flowers, Its timber is valuable, the fruit is edible, and it is used in traditional medicine.
8	Saraca indica	Sita ashok	39	• Shady evergreen tree with red-yellow flowers.
9	Bauhinia racemosa	Apta	13	• Small tree with small white flowers, leaves are used to make bidis, Butterfly host plant
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	Reliance Power Ltd.
	During Construction Phase: (Demand Load)	--
	DG set as Power back-up during construction phase	As per requirement
	During Operation phase (Connected load):	9591 KW
	During Operation phase (Demand load):	6887 KW
	Transformer:	3of 1250 kVA +2 of 1000 kVA + 3 of 630 kVA
	DG set as Power back-up during operation phase:	2 DG sets of 365 kVA each, 1 DG set of 250 kVA, 2 DG set of 600 kVA and 1 DG set of 400 kVA each
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	No

48.Energy saving by non-conventional method:

- Provision of Solar panels
- Provision of LED lights
- Timer for external lighting and common area
- Use of VFDs for lift machines
- Provision of Regenerative types of lifts
- Use of Energy efficient motors

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Overall Energy saving	For Tower B,C,D & E - 24% For Rehab, PTC & Tower A – 20%

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 190.00 Lacs
	O & M cost:	Rs. 5.00 Lacs/annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water for Dust Suppression	10.08

2	Air Environment	Air and Noise Monitoring: On site Sensors	13.50
3	Air Environment	Air and Noise Monitoring: By outside MoEF & CC Approved Laboratory	3.08
4	Water Environment	Drinking water analysis	0.42
5	Land Environment	Site Sanitation	10.00
6	Health & Hygiene	Disinfection- Pest Control	8.40
7	Health & Hygiene	Health Check-up of workers	44.10
8	Cost towards Disaster Management	--	200.51

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	AIR & NOISE ENVIRONMENT - Ambient Air quality & Noise Monitoring:	On site sensors	No set up cost is involved as already considered Construction Phase	0.50
2	AIR & NOISE ENVIRONMENT - Ambient Air quality & Noise Monitoring:	By outside MoEF & CC Approved Laboratory	No set up cost is involved	0.22
3	AIR & NOISE ENVIRONMENT - Cost for DG Stack Exhaust Monitoring	6 nos. of stacks	No set up cost is involved	0.29
4	AIR & NOISE ENVIRONMENT - Cost for Plantation	RG area on ground	40.80	1.20
5	WATER ENVIRONMENT - Waste water treatment	Cost for sewage Treatment Plant	257.59	77.11
6	WATER ENVIRONMENT - Cost for water & waste water Monitoring	On site sensors	126.00	7.00
7	WATER ENVIRONMENT - Cost for water & waste water Monitoring	By outside MoEF & CC Approved Laboratory	No set up cost is involved	0.19
8	WATER ENVIRONMENT - Water Conservation (Rain Water Harvesting System)	Cost for RWH tanks	30.20	1.51
9	WATER ENVIRONMENT - Water Conservation (Rain Water Harvesting System)	Cost for treatment unit for Rain Water collected in tanks	21.00	0.07

10	WATER ENVIRONMENT - Water Conservation (Rain Water Harvesting System)	Cost for Rainwater Monitoring	No set up cost is involved	0.32
11	LAND ENVIRONMENT - Solid Waste Management	Cost for Treatment of biodegradable garbage in OWC	63.00	11.15
12	LAND ENVIRONMENT - Solid Waste Management	Environmental Monitoring	No set up cost is involved	0.56
13	ENERGY CONSERVATION - Use of renewable energy	Solar system	190.00	5.00
14	Cost towards disaster management	--	987.23	26.90

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:	4 entry and exists

Parking details:	**Number and area of basement:**	1 Basement for Sale Tower A & E, 2 Basements for Rehabilitation building 2 & PTC building, 3 Basements for Sale Tower B, C, D
	Number and area of podia:	3 Podia for Sale Tower A,B,C& E , 4 Podia for Sale Tower D
	Total Parking area:	60630.70 Sq. mt.
	Area per car:	--
	Area per car:	--
	Number of 2-Wheelers as approved by competent authority:	--
	Number of 4-Wheelers as approved by competent authority:	1926 Nos.
	Public Transport:	NA
	Width of all Internal roads (m):	Min 6.0 mt.
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park: Approx. 2.00 Km
	Category as per schedule of EIA Notification sheet	8 (b) B1
	Court cases pending if any	Yes
	Other Relevant Informations	--
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for Expansion and amendment in EC for Slum Rehabilitation Scheme at village - Oshiwara, Taluka – Andheri, Mumbai by **M/s. Transcon Developers Pvt. Ltd.(ToR Case)**

PP submitted their application for Expansion of Environmental clearance for total plot area of 23911.40 Sq. Mtrs, BUA of 213976.88 Sq. Mtrs and FSI area of 9908751 Sq. Mtrs (Including fungible FSI). PP proposes to construct 8 no. residential building having maximum height of 125.15 mtrs.

The proposal was discussed on the basis of the draft ToR as presented by the PP. 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) B1.

DECISION OF SEAC

After discussion, ToR presented by PP was approved with following additional ToR

Specific Conditions by SEAC:

1) PP to submit structural stability certificate.
2) PP to submit counter map & SWD design details.
3) PP to submit disaster management plan.
4) PP to submit traffic analysis report
5) PP to submit natural ventilation Plan and shadow analysis report within floors.
6) PP to submit energy saving calculations and use of Solar Power
7) PP to submit copy of HRC & CFO NOC.
8) PP to submit debris & disposal management plan.
9) PP to ensure that fire tender movement should be in such a way that fire tender can access all the flats in the project.
10) PP to ensure that slope of the ramp should be 1:12 for adequate vehicular & fire tender movement.
11) PP to submit light & ventilation analysis.
12) PP to submit detailed landscape plans. Also submit number of trees to be cut, transplanted.
13) PP to explore alternative low cost & sustainable sewage treatment technology and submit details for the operation & maintenance cost and corpus to operate & maintain the same for 10 years by the Developers. BOD should be less than 10 mg/lit.
14) PP to ensure that 6-8% of the total energy requirement should be generated from the renewable component. PP to submit revised energy saving plan & calculations accordingly.
15) PP, if applicable, to leave clear cut side margin of 6 m from the boundary of the plot and open space and non-paved RG area should be on ground as per the orders of Hon?ble Supreme Court (Civil Appeal No. 11150 of 2013 and SLP (Civil) No. 33402/2012) dated 17th December 2013.
16) PP to also refer ToR attached as “Exhibit-A” & standard ToR published by MoEF vide order dated 10/04/15 in addition to above.

FINAL RECOMMENDATION

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

Agenda of 64 th SEAC-2 Meeting

SEAC Meeting number: 64 **Meeting Date** July 31, 2018

Subject: Environment Clearance for Amendment in EC for Redevelopment Project, at Patthe Bapurao Marg (Falkland Road) Girgoan Division, 'D' Ward, Mumbai 04.

Is a Violation Case: No

1.Name of Project	Redevelopment Project
2.Type of institution	Private
3.Name of Project Proponent	M/s. Rubberwala Housing & Infrastructure Ltd.
4.Name of Consultant	M/s. Ultra-Tech
5.Type of project	Redevelopment Project
6.New project/expansion in existing project/modernization/diversification in existing project	Amendment in Environment Clearance
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Received Prior Environmental Clearance (EC), wide letter SEAC-2014/CR 411/TC II dt. 05/09/2014
8.Location of the project	C.S. No. 990 situated at 243-G Patthe Bapurao Marg (Falkland Road). Girgaon Division
9.Taluka	Mumbai
10.Village	Girgaon
Correspondence Name:	Rubberwala Housing &Infrastructure Ltd.
Room Number:	--
Floor:	--
Building Name:	Rubberwala House
Road/Street Name:	Dr. A.R. Nair Road
Locality:	Agripada
City:	Mumbai
11.Area of the project	Municipal Corporation of Greater Mumbai (M.C.G.M.)
12.IOD/IOA/Concession/Plan Approval Number	Received Concession approval from M.C.G.M. dt. 26.5.2017 Received IOD From M.C.G.M. dt. 30.12.2014
	IOD/IOA/Concession/Plan Approval Number: EB/3820/D/A
	Approved Built-up Area: 23351.60
13.Note on the initiated work (If applicable)	Received Prior Environmental Clearance (EC), wide letter SEAC-2014/CR 411/TC II dt. 05/09/2014. Received Consent to Establish from MPCB. Received Approval from MCGM. Total constructed work on site till date (FSI + Non FSI): 6228.75 Sq.mt.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Received NOC From MHADA dt. 24.09.2012.
15.Total Plot Area (sq. m.)	4675.62 Sq.mt.
16.Deductions	390.18 Sq.mt.
17.Net Plot area	4285.44 Sq.mt.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 23351.60 Sq.mt.
	b) Non FSI area (sq. m.): 23811.04 Sq.mt.
	c) Total BUA area (sq. m.): 47162.64
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 23351.60 Sq.mt.
	Approved Non FSI area (sq. m.): 23811.04 Sq. mt.
	Date of Approval: 26-05-2017
19.Total ground coverage (m2)	2841.59 Sq m.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	66 %
21.Estimated cost of the project	2170000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	1 Composite Building with 4 Wings	--	--
2	Wing A, B, C	3 Basements + Ground + 20 Floors	69.90
3	Wing D	3 Basements + Ground + 13 Floors	49.60

23.Number of tenants and shops	Redevelopment : Flats: 131 Nos. , Shops: 93 Nos. Sale : Flats: 125 Nos. , Shops: 782 Nos.
24.Number of expected residents / users	3649 Nos.
25.Tenant density per hectare	595/hectors
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	27.40 mt. wide Patthe Bapurao Existing Road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	7.50 mt.
29.Existing structure (s) if any	Part construction completed on site.
30.Details of the demolition with disposal (If applicable)	Demolition debris generated due to demolition of existing Chawl was partly recycled and remaining disposed to authorized landfill site.

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	M.C.G.M
	Fresh water (CMD):	158 KLD
	Recycled water - Flushing (CMD):	100 KLD
	Recycled water - Gardening (CMD):	1 KLD
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	259 KLD
	Fire fighting - Underground water tank(CMD):	500 KL
	Fire fighting - Overhead water tank(CMD):	150 KL
	Excess treated water	103 KLD
Wet season:	**Source of water**	M.C.G.M/ Partly by RWH tank
	Fresh water (CMD):	158 KLD (From MCGM: 149 + From RWH tank: 9)
	Recycled water - Flushing (CMD):	100 KLD
	Recycled water - Gardening (CMD):	--
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	258 KLD
	Fire fighting - Underground water tank(CMD):	500 KL
	Fire fighting - Overhead water tank(CMD):	150 KL
	Excess treated water	104 KLD
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	2.0 mt. to 6.6 mt. below existing ground level
	Size and no of RWH tank(s) and Quantity:	1 RWH tank of Capacity 65 KL
	Location of the RWH tank(s):	Below Ground
	Quantity of recharge pits:	Nil
	Size of recharge pits :	Not Applicable
	Budgetary allocation (Capital cost) :	Rs. 9.50 Lacs
	Budgetary allocation (O & M cost) :	Rs. 0.39 Lacs/annum
	Details of UGT tanks if any :	Location of UG tanks: Basement
35.Storm water drainage	**Natural water drainage pattern:**	The storm water collected through the storm water drains of adequate capacity will be discharged in to the external drain.
	Quantity of storm water:	0.10 m3/sec
	Size of SWD:	300 mm width and 250 mm depth
Sewage and Waste water	**Sewage generation in KLD:**	226 KLD
	STP technology:	Moving Bed Bio Reactor (MBBR)
	Capacity of STP (CMD):	1 STP of capacity 230 KL
	Location & area of the STP:	Basement level (Area: 260 Sq.mt.)
	Budgetary allocation (Capital cost):	Rs. 62.35 Lacs
	Budgetary allocation (O & M cost):	Rs. 14.18 Lacs/annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Excavated material was used for refilling in foundations and remaining disposed to the authorized sites with permission from M.C.G.M.
	Disposal of the construction waste debris:	Partly reuse/recycle and disposal of remaining waste to authorized site with the permission of M.C.G.M.
Waste generation in the operation Phase:	**Dry waste:**	436 kg/day
	Wet waste:	289 kg/day
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	34 kg/day
	Others if any:	Not Applicable

Mode of Disposal of waste:	**Dry waste:**	To Authorized recyclers
	Wet waste:	Treatment in Organic Waste Converter
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Use as manure
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	Ground level
	Area for the storage of waste & other material:	22 Sq.mt.
	Area for machinery:	12 Sq.mt.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 9.00 Lacs
	O & M cost:	Rs.1.98 Lacs/annum

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

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

43.Green Belt Development	**Total RG area :**	342.19 Sq.mt.
	No of trees to be cut :	Not Applicable
	Number of trees to be planted :	54 Nos.
	List of proposed native trees :	As shown below
	Timeline for completion of plantation :	At the time of completion of project

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Cassia fistula	Bahava	4	Attracts bees and butterflies for pollination.
2	Nyctanthes arbor-tristis	Parijatak	3	Flowering Tree. Flowers yield an essential oil
3	Murraya paniculata	Kunti	3	Flowers have aromatic fragrance. Used in traditional medicine
4	Albizia lebbeck	Shirish	4	Shady Tree. Bark of the tree is used for various ailments in Ayurveda
5	Azadiracta Indica	Neem	4	Large tree, fast-growing evergreen tree, drought resistance, Medicinal properties, good for roadside plantation
6	Ailanthus excelsa	Maharukh	4	Shady evergreen tree with red-yellow flowers.
7	Ficus retusa	Nandruk	4	Evergreen shady tree & indigenous fruit
8	Alstonia Scolaris	Satwin	7	Tall Tree. The flowers are very fragrant
9	Pongamia pinnata	Karanj	2	Evergreen multipurpose tree. • Particularly valued for its oil and it also supplies dyestuff, wood, fuel, insect repellent, medicines etc.
10	Saraca asoka	Sita Ashoka	4	Quick growing, Shady, large tree having medicinal and commercial properties.
11	Bombax ceiba	Katesavar	5	•Known as Red Cotton tree. •Wood is too soft to be very useful
12	Anthocephallus cadamba	Kadamb	5	•Ornamental plant •Used in Paper making • The flowers are used in perfumes.
13	Michelia champaca	Son Chafa	5	Evergreen tree, Butterfly host plant
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	Brihanmumbai Electric Supply & Transport(BEST)
	During Construction Phase: (Demand Load)	--
	DG set as Power back-up during construction phase	As per requirement
	During Operation phase (Connected load):	4284 KW
	During Operation phase (Demand load):	2336 KW
	Transformer:	--
	DG set as Power back-up during operation phase:	1 DG set of capacity 1010 kVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	No

48.Energy saving by non-conventional method:

Energy saving measures:
- Provision of LED lights
- Use of VFDs for lift machines and Pumps
- Use of VFDs and JET Fan Ventilation
- Provision of VRV AC System
- Provision of Solar PV Panels
- Provision of Solar Hot water System

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Overall energy saving	25 %
2	Energy saving due to renewable energy	4 %

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Sewage	Not applicable	Sewage Treatment Plant (STP)
Solid waste	Not applicable	Organic Waste Converter

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 43.73 Lacs
	O & M cost:	Rs. 0.91 Lacs/annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water for Dust Suppression	2.16

2	Air Environment	Air and Noise Monitoring: On site Sensors	11.50
3	Air Environment	Air and Noise Monitoring: By outside MoEF & CC Approved Laboratory	0.66
4	Water Environment	Drinking water analysis	0.09
5	Land Environment	Site Sanitation	5.00
6	Health & Hygiene	Disinfection- Pest Control	3.60
7	Health & Hygiene	Health Check-up of workers	8.10
8	Cost towards Disaster Management	--	74.68

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	AIR & NOISE ENVIRONMENT - Ambient Air quality & Noise Monitoring:	On site sensors	No set up cost is involved as already considered Construction Phase	0.50
2	AIR & NOISE ENVIRONMENT - Ambient Air quality & Noise Monitoring:	By outside MoEF & CC Approved Laboratory	No set up cost is involved	0.22
3	AIR & NOISE ENVIRONMENT - Cost for DG Stack Exhaust Monitoring	1 stack	No set up cost is involved	0.05
4	AIR & NOISE ENVIRONMENT - Cost for Plantation	342.19 Sq.mt. of RG area on ground	1.88	1.20
5	WATER ENVIRONMENT - Waste water treatment	Cost for sewage Treatment Plant	44.35	13.18
6	WATER ENVIRONMENT - Cost for water & waste water Monitoring	On site sensors	18.00	1.00
7	WATER ENVIRONMENT - Cost for water & waste water Monitoring	By outside MoEF & CC Approved Laboratory	No set up cost is involved	0.03
8	WATER ENVIRONMENT - Water Conservation (Rain Water Harvesting System)	Cost for RWH tanks	6.50	0.33
9	WATER ENVIRONMENT - Water Conservation (Rain Water Harvesting System)	Cost for treatment unit for Rain Water collected in tanks	3.00	0.01

10	WATER ENVIRONMENT - Water Conservation (Rain Water Harvesting System)	Cost for Rainwater Monitoring	No set up cost is involved	0.05
11	LAND ENVIRONMENT - Solid Waste Management	Cost for Treatment of biodegradable garbage in OWC	9.00	1.90
12	LAND ENVIRONMENT - Solid Waste Management	Environmental Monitoring	No set up cost is involved	0.08
13	ENERGY CONSERVATION - Use of renewable energy	Solar PV panels	25.81	0.40
14	ENERGY CONSERVATION - Use of renewable energy	Solar Water heating System	19.92	0.51
15	Cost towards disaster management	--	629.42	57.01

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

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

52.Any Other Information

No Information Available

53.Traffic Management

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

Parking details:	**Number and area of basement:**	3 Basements
	Number and area of podia:	3 Parking floors
	Total Parking area:	For Captive Parking: 5165.25 Sq. mt. & For Public Parking:5920.08 Sq. mt.
	Area per car:	--
	Area per car:	--
	Number of 2-Wheelers as approved by competent authority:	Required: Nil , Provision: For Captive: 61 Nos. & For Public Parking: 96 Nos
	Number of 4-Wheelers as approved by competent authority:	Required Captive Parking: 207 Nos. Provision: For Captive: 207 Nos. & For Public Parking: 187 Nos.
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	4.5 to 6.0 mt.
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	Category 8(a) B2
	Court cases pending if any	No
	Other Relevant Informations	--
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	06-07-2018

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for Amendment in EC for Redevelopment Project, at Patthe Bapurao Marg (Falkland Road) Girgoan Division, 'D' Ward, Mumbai 04. At C.S. No. 990 situated at 243-G Patthe Bapurao Marg (Falkland Road). Girgaon Division **M/s. Rubberwala Housing & Infrastructure Ltd.**

PP submitted their application for Expansion of Environmental clearance for total plot area of 4675.62 Sq. Mtrs, BUA of 47162.64 Sq. Mtrs and FSI area of 23351.60 Sq. Mtrs. PP proposes to construct 1 no. composite building with 4 wings. having maximum height of 69.90 mtrs.

The proposed project is redevelopment Project with public parking, PP received Environmental Clearance (EC) vide letter SEAC-2014/CR 411/TC II dt. 05/09/2014 for total Construction built up area of 40562.53 Sq. mt

Now PP Proposed following Amendment in EC:

Proposed increase in one wing and retail area, increase in Built-up area as per FSI area due to Addition of FSI of 33(24) of PPL parking & incorporation of fungible area & increase in Total Construction Built-up area from 40562.53 Sq. mt. to 47162.64 Sq. mt.

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, SEAC decided to recommend the proposal for prior EC, subject to PP complying with following conditions.

Specific Conditions by SEAC:

1) PP to upload six month compliance report.
2) PP to upload EMP considering the proposed expansion.
3) Earlier EC conditions imposed will continuous to this proposed expansion.

FINAL RECOMMENDATION

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