Agenda 82nd SEAC-II Meeting

SEAC Meeting number: 82nd SEAC-II Meeting **Meeting Date** December 11, 2018

Subject: Environment Clearance for Application for Mohan Altezza by Mohan Life Spaces

Is a Violation Case: Yes

1.Name of Project	Mohan Altezza
2.Type of institution	Private
3.Name of Project Proponent	Mr. Manohar Manchandya
4.Name of Consultant	Not required
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	S No - 15 /5 ,23/1, S No- 17 ,H No 2/3 ,3 ,S No -62 /1 & 2,S No- 15 ,H No 6/1 & 6/2 , S No -18 ,H No -2/1 1A ,1D ,S No -23 ,H No 2/1 & 2/2 ,S No 9 ,H.No 5/1 ,2 ,S No -4/2, village Gandhare, Kalyan, Thane
9.Taluka	Kalyan
10.Village	gandhare
Correspondence Name:	Mr. Manohar Manchandya
Room Number:	G1
Floor:	-
Building Name:	Mohan Plaza
Road/Street Name:	Next to Mohan Pride, Khadakpada
Locality:	Wayle, Nagar
City:	Kalyan, Thane
11.Area of the project	KDMC
12.IOD/IOA/Concession/Plan Approval Number	Yes from KDMC
	IOD/IOA/Concession/Plan Approval Number: Javak Kramank NRV / BP KV/2012/13226418 dated 14.03.2017 - approved for 43929 .17 SQM FSI Area
	Approved Built-up Area: 43929.17
13.Note on the initiated work (If applicable)	total constructed work 39433.07 sqm
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	48,150.00
16.Deductions	25744.00
17.Net Plot area	22,406.00
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 43,929.17
	b) Non FSI area (sq. m.): 55,330.29
	c) Total BUA area (sq. m.): 99259
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 43929 .17
	Approved Non FSI area (sq. m.):
	Date of Approval: 14-03-2017
19.Total ground coverage (m2)	3708.19
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	16.55 %
21.Estimated cost of the project	2500000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building 1	G+1	6.90
2	Building 2	G+2	10.50
3	Building 3(wing A ,B and C)	S+3+27	90.90
4	Building 4	B+G+3	17.30
5	Building 5	G+3	15.20
6	Building 6	G + 5 Podium + Lower Stilt + Upper Stilt + 16 Floors	74.70
7	Building 3 (wing D)	S+3+27	36.75

23.Number of tenants and shops	tenements- 477, 27 commercial unit, 1 school building
24.Number of expected residents / users	2914
25.Tenant density per hectare	300
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	12 mt
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 mt
29.Existing structure (s) if any	construction completed 39433.07 sqm
30.Details of the demolition with disposal (If applicable)	nil

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**	KDMC
	Fresh water (CMD):	223
	Recycled water - Flushing (CMD):	137
	Recycled water - Gardening (CMD):	21
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	381
	Fire fighting - Underground water tank(CMD):	12,45,000 kl
	Fire fighting - Overhead water tank(CMD):	1.20,000
	Excess treated water	179
Wet season:	**Source of water**	KDMC
	Fresh water (CMD):	223
	Recycled water - Flushing (CMD):	137
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	360
	Fire fighting - Underground water tank(CMD):	12,45,000 kl
	Fire fighting - Overhead water tank(CMD):	1,20,000
	Excess treated water	158
Details of Swimming pool (If any)	Nil	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	Not applicable	222.59	222.59	Not applicable	22.26	22.26	Not applicable	Not applicable	Not applicable
Gardening	Not applicable	21.37	21.37	Not applicable	21.37	21.37	Not applicable	Not applicable	Not applicable

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	60 mt
	Size and no of RWH tank(s) and Quantity:	0
	Location of the RWH tank(s):	Location plan attached with form 1
	Quantity of recharge pits:	18
	Size of recharge pits :	4 m x 4 m x 4m
	Budgetary allocation (Capital cost) :	56.01 lakh
	Budgetary allocation (O & M cost) :	0.60 lakh
	Details of UGT tanks if any :	Capacity of the U.G.T. will be as below Raw Water Storage Tank (Lit) : 113793 Treated Water Storage tank (Lit): 227585 Fire Fighting Tank (Lit) : 12,45,000 Total : 1586378
35.Storm water drainage	**Natural water drainage pattern:**	As per contour plan
	Quantity of storm water:	51889.34
	Size of SWD:	450-600 mm
Sewage and Waste water	**Sewage generation in KLD:**	323
	STP technology:	MBBR
	Capacity of STP (CMD):	1) Residential STP No. 1 - 270 m3/day 2) Residential STP No. 2 - 40 m3/day 3) Commercial STP No. 3 - 15 m3/day
	Location & area of the STP:	Attached with EC applicatuion
	Budgetary allocation (Capital cost):	64,05,000
	Budgetary allocation (O & M cost):	1,89,000

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	3618.85
	Disposal of the construction waste debris:	for leveling
Waste generation in the operation Phase:	**Dry waste:**	1429
	Wet waste:	2249
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	16.15
	Others if any:	nil

Mode of Disposal of waste:	**Dry waste:**	Authorized vendor
	Wet waste:	Mechnized composting unit
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as manure
	Others if any:	Nil
Area requirement:	**Location(s):**	Attached
	Area for the storage of waste & other material:	7.00 sqm
	Area for machinery:	25.50 sqm
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	27,00,000
	O & M cost:	14,00,000

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 :**	4000 sq. m.
	No of trees to be cut :	Nil
	Number of trees to be planted :	397
	List of proposed native trees :	Attached with application
	Timeline for completion of plantation :	3

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	SPATHODEA CAMPANULATA	African Tulip Tree	9	Ornamental, flowering
2	BAUHINIA PURPUREA	Kachana,Rakta Kanchan	44	Ornamental, flowering
3	PONGAMIA PINNATA	Karanji - Honge	9	Ornamental, flowering
4	LAGERSTROEMIA SPECIOSA	Tamhan	31	flowering
5	MICHELIA CAMPACA	(Campa Tree)	4	Ornamental, flowering
6	PLUMERIA ALBA	White Chafa	43	Ornamental, flowering
7	PLUMERIA RUBRA	red Chafa	22	Ornamental, flowering
8	DALBERGIA LATIFOLIA	Sitsa	12	Ornamental, flowering
9	NYCTHANTHES ARBOR TRISTIS	Harsingha	24	Ornamental, flowering
10	PELTOPHORUM FERRIGENUM	Yellow Flame	12	Ornamental, flowering
11	CASSIA FISTULA	Amaltas	7	Ornamental, flowering
12	MILLINGTONIA HORTENSIS	Indian Cork Tree	34	Ornamental, commercial
13	CALLOPHYLLUM INNOPHYLLUM	Sultana Champa	3	Ornamental, flowering
14	TECTONA GRANDIS	(Teakwood)	8	Commercial, bird attractive
15	PALMS ARECA CATECHU	Betel Nut Palm	54	Commercial, medicinal
16	ROYSTONEA OLERACEA	Royal Palm	11	Ornamental,
17	WODYETIA BIFURCATA	Fox Tail Palm	64	Ornamental,
18	RAVENALA MADAGASCARIENSIS	Traveller's Palm	6	Ornamental,
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	400 KW
	DG set as Power back-up during construction phase	320 KVA x 1 No
	During Operation phase (Connected load):	4443 KW, 5227 KVA
	During Operation phase (Demand load):	3500 KW
	Transformer:	1000 KVA X 1 No's + 630 KVA 1 No's
	DG set as Power back-up during operation phase:	35 KVA X 1 No's + 200 KVA X 1 No's + 250 KVA X 1 No's + 500 KVA X 2 No's.
	Fuel used:	Disel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Using Solar system in Common Area Lighting (10%). & Street/ Landscape lights with LED lamps. V3F drive is proposed for all lifts.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar water heater	10 %

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Sewage Generation	Not applicable	STP
Biodegradable Waste	Not applicable	Mechanized composting unit
DG Set	Not applicable	Acoustic Enclosure, Stack height as per CPCB norms

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Solar Street Lightning- 25,50,000, Solar Water Heater- 73,45,800
	O & M cost:	Solar Street Lightning- 2,50,000, Solar Water Heater- 7,03,000

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Erosion control	Dust suppression	5.0
2	Site safety	Nets, barricades	2.0
3	Site sanitation	Public toilets	2.0

4	Disinfection, heath checkup	for workers	2.0	

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	3 no of STP	64,05,000	1,89,000
2	Rain Water Harvesting	18 no of pits	63,00,000	1,60,000
3	Storm Water Networking	form internal storm water mgmt	56,01,500	60,000
4	Solid Waste Management	mechanized composting unit	27,00,000	14,00,000
5	Solar Street Lightning	for common lightning area only	25,50,000	2,50,000
6	Solar Water Heater	for tenements	73,45,800	7,03,000

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:	5

Parking details:	**Number and area of basement:**	1 no of basement area 2544.66 sqm
	Number and area of podia:	5 no podium area 12794.38 sqm
	Total Parking area:	15339 Sq. m
	Area per car:	12.5
	Area per car:	12.5
	Number of 2-Wheelers as approved by competent authority:	602
	Number of 4-Wheelers as approved by competent authority:	480
	Public Transport:	no
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	category (A)
	Court cases pending if any	Clear
	Other Relevant Informations	1) We have already submitted the EC application to MoEF website on 02/06/2017 And TOR application 30 Jan 2018 2) Our court case number 151 /2017 is clear as we have already paid the penalty for the same
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	02-06-2017

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

PP Mr. Manohar Manchandya was present during the meeting along with Environmental Consultant M/s Mahabal Enviro Engineers Pvt.Ltd.

PP submitted their application for prior Environment Clearance for total plot area of 48,150 Sq.mt Total BUA 99259.46 sq.m (FSI 43,929.17sq.mt + Non FSI 55,330.17 Sq.mt). It is proposed to construct 5 buildings. PP stated that, the construction till date is 88,865.66 Sq.mt. and they have applied as per Notification dated 14th March, 2017. PP stated that the proposal previously considered in 70th SEAC-II meeting held on 25/9/2018.

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

DECISION OF SEAC

In view of the above,the proposal is deferred and shall be considered afresh for appraisal of violation case for grant of Environment Clearance under provision of the EIA Notification dated 14/9/2006 in light of the Notification No 1030(E)/1031(E) dated 8th March, 2018 issued by the Ministry of Environment, Forest & Climate Change ***only after the compliance.***

Specific Conditions by SEAC:

1) Committee noted that, the architect certificate submitted for construction done till date was undated. PP, Architect & Environment consultant to submit the explanation for the same
2) PP to revise the CS mentioning the 'Name of consultant''
3) Committee noted that, during the meeting, PP mentioned the construction done on site is 88,865.66 Sq.mt. while in 70th meeting the construction area mentioned was 51327.41 Sq.mt & in Consolidated statement the area constructed shown as 39433.07 Sq.mt. It seems PP is continued with construction even after applying for EC, which is very serious and considered as deliberate attempt to violate EIA Notification 2006.PP to explain in writing why this committee shall not recommend rejection of EC to the project.

FINAL RECOMMENDATION

SEAC-II decided to refer the proposal to SEIAA/Environment Department for verification of above mentioned violation.

SEAC Meeting number: 82nd SEAC-II Meeting **Meeting Date** December 11, 2018

Subject: Environment Clearance for PROPOSED REDEVELOPMENT OF EXISTING TEACHER'S COLONY (MHADA LAYOUT) Proposed By PSC PROPERTIES PVT. LTD..

Is a Violation Case: No

1.Name of Project	PSC PROPERTIES PVT. LTD.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Vikas Joshi, PSC PROPERTIES PVT. LTD.
4.Name of Consultant	Dr. D. A. Patil; Mahabal Enviro Engineers Pvt. Ltd.
5.Type of project	Residential Project
6.New project/expansion in existing project/modernization/diversification in existing project	Redevelopment of existing teacher's colony
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Land Bearing CTS No. 609 of Village – Bandra, Tal. & Dist. – Mumbai, Maharashtra
9.Taluka	Mumbai
10.Village	Bandra
Correspondence Name:	Mr. Vilas Joshi, PSC Properties Pvt. Ltd.
Room Number:	101
Floor:	-
Building Name:	Somnath, CTS No. 988
Road/Street Name:	Ram Mandir Road
Locality:	Next to Tilak Mandir, Vile Parle (East)
City:	Mumbai - 400057
11.Area of the project	Municipal Corporation of Greater Mumbai (MCGM)
12.IOD/IOA/Concession/Plan Approval Number	NOC from MHADA received
	IOD/IOA/Concession/Plan Approval Number: MHADA NOC received vide letter No. CO/MB/REE/NOC/F-826/256/2016 dt. 11.02.2016
	Approved Built-up Area: 9627.90
13.Note on the initiated work (If applicable)	No Work Started
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	MHADA NOC received vide letter No. CO/MB/REE/NOC/F-826/256/2016 dt. 11.02.2016
15.Total Plot Area (sq. m.)	3509.30
16.Deductions	NA
17.Net Plot area	3509.30
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 14212.67 m2
	b) Non FSI area (sq. m.): 11061.7 m2
	c) Total BUA area (sq. m.): 25274.37
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)	2493.95
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	71%
21.Estimated cost of the project	560000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Wing A	B + St + P + Upper 14 Floors	52.00
2	Wing B	B + St + P + Upper 14 Floors	52.00
3	Wing C	B + St + P + Upper 14 Floors	52.00
4	Wing D	B + St + P + Upper 14 Floors	52.00
5	Wing E	B + St + P + Upper 14 Floors	52.00

23.Number of tenants and shops	Flats: 230 Nos.
24.Number of expected residents / users	1150 Nos.
25.Tenant density per hectare	618/ha
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	30 m wide accsess road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	The Site abuts roads on three sides
29.Existing structure (s) if any	Existing 2 residential buildings (Teachers colony)
30.Details of the demolition with disposal (If applicable)	Existing 2 residential buildings will be demolished and about 990.21 m3 of demolition quantity will be disposed at designated disposal site as approved by the MCGM.

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	MCGM
	Fresh water (CMD):	104
	Recycled water - Flushing (CMD):	52
	Recycled water - Gardening (CMD):	2
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	156
	Fire fighting - Underground water tank(CMD):	As per CFO NOC
	Fire fighting - Overhead water tank(CMD):	As per CFO NOC
	Excess treated water	90
Wet season:	**Source of water**	MCGM
	Fresh water (CMD):	74
	Recycled water - Flushing (CMD):	52
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	156
	Fire fighting - Underground water tank(CMD):	As per CFO NOC
	Fire fighting - Overhead water tank(CMD):	As per CFO NOC
	Excess treated water	92
Details of Swimming pool (If any)	-	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	3 m
	Size and no of RWH tank(s) and Quantity:	RWH tank capacity: 66 m3
	Location of the RWH tank(s):	under basement
	Quantity of recharge pits:	-
	Size of recharge pits :	-
	Budgetary allocation (Capital cost) :	27 Lakh
	Budgetary allocation (O & M cost) :	2.7 Lakh/yr
	Details of UGT tanks if any :	UG Tanks are located below Basement
35.Storm water drainage	**Natural water drainage pattern:**	Towards North-East side
	Quantity of storm water:	309.6 m3/hr
	Size of SWD:	250 mm X 450 mm & 250mm X 300mm
Sewage and Waste water	**Sewage generation in KLD:**	146
	STP technology:	MBBR
	Capacity of STP (CMD):	1 STP of 152 KLD Capacity
	Location & area of the STP:	At stilt floor 115 sq.mtr.
	Budgetary allocation (Capital cost):	50 Lakh
	Budgetary allocation (O & M cost):	10.6 Lakh/year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Demolition quantity: 990.21 m3 (Will be disposed as per District collector guidelines.) ; Construction Debris: 728 m3
	Disposal of the construction waste debris:	The construction debris will be utilized at site for Road Paving and plinth filling
Waste generation in the operation Phase:	**Dry waste:**	230 Kg/d
	Wet waste:	345 Kg/d
	Hazardous waste:	not applicable
	Biomedical waste (If applicable):	not applicable
	STP Sludge (Dry sludge):	1.0 m3/day
	Others if any:	not applicable

Mode of Disposal of waste:	**Dry waste:**	Dry garbage will be segregated & disposed off to recyclers
	Wet waste:	Wet garbage will be composted using Mechanical Composting Technology and used as organic manure for landscaping.
	Hazardous waste:	not applicable
	Biomedical waste (If applicable):	not applicable
	STP Sludge (Dry sludge):	Sludge use as manure for gardening
	Others if any:	not applicable
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	19.58 m2
	Area for machinery:	28.93 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	12.68 Lakh
	O & M cost:	3.83 Lakh/yr

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

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

43.Green Belt Development	**Total RG area :**	470.20 m2
	No of trees to be cut :	48 Nos.
	Number of trees to be planted :	69 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	Azardirakhta indica	Neem	10	Spreading evergreen tree, dense foliage, provides shade
2	Cassia fistula	Bahawa	14	Deciduous & beautiful tree, good for garden plantation
3	Lagerstromia indica	Taamhan	16	Official State Tree
4	Peltophorum pterocarpum	Copper pod Tree	13	Evergreen Tree with medicinal properties
5	Phyllanthus Emblica	Awala	8	Fruit bearing tree attracts birds
6	Pumica Granatum Bhagva	Pomogranate	8	Fruit bearing tree attracts birds and bees
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 Energy
	During Construction Phase: (Demand Load)	220 kVA
	DG set as Power back-up during construction phase	220 kVA
	During Operation phase (Connected load):	4.2 MW
	During Operation phase (Demand load):	1.6 MW
	Transformer:	2000 kVA x 1
	DG set as Power back-up during operation phase:	500 kVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	No

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
- Energy efficient lighting fixtures (LED lights) to all buildings

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total Energy Saving	21.37%

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:**	91.5 Lakh
	O & M cost:	4.6 Lakh/year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water spray for dust suppression	-	3
2	Site sanitation (Toilets)	-	5

3	Environmental Monitoring	(As per the CPCB guidelines through MoEF Approved laboratories – Ambient Air-RSPM, PM2.5, SO2, NOx, CO), Noise: Leq day time and Night Time)	3
4	Potable Water Supply to Labour Camp	-	2.5
5	Health check-up & first aid	-	4
6	Safety Personal Protective Equipment	(Helmets, Safety Shoes, Safety Belt, Goggles, Hand Gloves etc.)	7
7	Traffic Management	(Sign Boards, Persons at entry exit and Parking area)	2
8	Safety nets	-	4
9	Tyre cleaning and Vehicle maintenance	-	2.5
10	Solid Waste Management & Site maintenance activity	-	3.5
11	Safety - Training to Workers (Twice in Year), Safety Officer	-	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	50	10.6
2	Solar System	Monthly	91.5	4.6
3	Rain Water Harvesting	Only for filtration plant.	27	2.7
4	Solid waste Composting plant	Continuous O & M	12.68	3.83
5	Landscape	Daily	4.4	0.7
6	Environmental Monitoring	As per the CPCB guidelines through MoEF Approved laboratories	-	4

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	NO junction near project site
Parking details:	**Number and area of basement:**	1 Basement:2493.95 m2
	Number and area of podia:	1 Podium:2493.95 m2
	Total Parking area:	7481.85 m2
	Area per car:	28.02 m2
	Area per car:	28.02 m2
	Number of 2-Wheelers as approved by competent authority:	-
	Number of 4-Wheelers as approved by competent authority:	267 Nos.
	Public Transport:	-
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park Approx. 9.2 km from the Project Site.
	Category as per schedule of EIA Notification sheet	8(a) Category
	Court cases pending if any	Not Applicable
	Other Relevant Informations	Not Applicable
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	25-03-2017

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

DECISION OF SEAC

Representative of PP & Consultant were present during the meeting. Committee noted that, the project under consideration is with total built up area 25,274.37 Sq.mt. As per Notification dated 15th November,2018 published by MoEF projects with total built up area 20,000 to 50,000 sq.mt will not be considered under EIA Notification, 2006 & amendments there to. Also Committee does not received any directions from MoEF or SEIAA regarding consideration of projects with total built up area 20,000-50,000 sq.mt, therefore Committee decided to defer the project till clarification received for the same.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

Agenda 82nd SEAC-II Meeting

SEAC Meeting number: 82nd SEAC-II Meeting **Meeting Date** December 11, 2018

Subject: Environment Clearance for C.S.No.20/1,20/2,31/4,30/7(pt),30/8(pt),31/6 village Ghodbandar Miraroad East Thane.

Is a Violation Case: No

1.Name of Project	Plot E of JP North
2.Type of institution	Private
3.Name of Project Proponent	Abhishek Khetan
4.Name of Consultant	Building Environment (India) Pvt. Ltd
5.Type of project	Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	20/1,20/2,31/4,30/7(pt),30/8(pt),31/6 Village ghodbandar, Miraroad East
9.Taluka	Thane
10.Village	Mirabhyander
Correspondence Name:	Abhishek Khetan
Room Number:	4
Floor:	4th Flr
Building Name:	Viraj Towers
Road/Street Name:	Western Express Highway
Locality:	Near Western Express Highway Metro Station
City:	Mirabhyandar
11.Area of the project	Mira Bhyandar Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	IOD received on 14 June 2018 No.MB/MC/1369-2018-19
	IOD/IOA/Concession/Plan Approval Number: IOD received on 14 June 2018 No.MB/MC/1369-2018-19
	Approved Built-up Area: 15359.09
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	IOD received on 14 June 2018 No.MB/MC/1369-2018-19
15.Total Plot Area (sq. m.)	16910 Sq.mt (Approved in IOD: 14134.00 Sq.m)
16.Deductions	5702.63 Sq.mt (Approved in IOD: 2955.97 Sq.m)
17.Net Plot area	11207.37 Sq.m (As per IOD: 11178.03 Sq.mt)
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 41125 Sq.mt (As per IOD: 15359.09 Sq.mt)
	b) Non FSI area (sq. m.): 52383.26 Sq.mt (As per IOD: 34571.28 Sq.mt)
	c) Total BUA area (sq. m.): 93508.26
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 15359.09
	Approved Non FSI area (sq. m.): 34571.28
	Date of Approval: 14-06-2018
19.Total ground coverage (m2)	4538.97 Sq.mt (As per IOD: 7228.2 Sq.mt)
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	41 %
21.Estimated cost of the project	2054347419

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	1 building with 3 wings + 1 MLCP (As per IOD: One Building comprising : 4 residential + 1 MLCP)	Wing ABC: Gr/St + 33flr, + MLCP: Basment: Gr+9 flr (As per IOD: Wing A,B: Gr+21 flr, Wing C,D: Gr+1flr, 1 MLCP: Gr+11)	98.95 mt (As per IOD: 69.95 mt)

23.Number of tenants and shops	780 Flats & 49 Shops (As per IOD: 352 Flats & 5 Shops)
24.Number of expected residents / users	3998 (As per IOD: 1770)
25.Tenant density per hectare	696
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 mt & 60 mt
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	6 mt
29.Existing structure (s) if any	Open Land
30.Details of the demolition with disposal (If applicable)	Proposed is open land development.

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**	MBMC
	Fresh water (CMD):	353 (As per IOD: 168)
	Recycled water - Flushing (CMD):	197 (As per IOD: 95)
	Recycled water - Gardening (CMD):	18 (As per IOD: 15)
	Swimming pool make up (Cum):	5
	Total Water Requirement (CMD) :	554 KLD (As per IOD: 263 KLD)
	Fire fighting - Underground water tank(CMD):	300000
	Fire fighting - Overhead water tank(CMD):	25000
	Excess treated water	218 KLD (As per IOD: 106 KLD)
Wet season:	**Source of water**	MBMC
	Fresh water (CMD):	353 (As per IOD: 168)
	Recycled water - Flushing (CMD):	178 (As per IOD: 80)
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	5
	Total Water Requirement (CMD) :	536 KLD (As per IOD: 248 KLD)
	Fire fighting - Underground water tank(CMD):	300000
	Fire fighting - Overhead water tank(CMD):	25000
	Excess treated water	236 KLD (As per IOD: 121 KLD)
Details of Swimming pool (If any)	plant & Machinery used for treatment of Swimming pool water : Ozone system with chlorination unit along with the entire setup for water filtration and control panel. quality to be achieved for swimming pool water parameter to be monitor. Swimming pool area:151 Sq.mt (capacity: 348 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	0	353 (As per IOD: 168)	353 (As per IOD: 168)	0	35 (As per IOD: 38)	35 (As per IOD:38)	0	460 (As per IOD:230)	460 (As per IOD:230)
Gardening	0	18	18	0	18	18	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	4 mt to 5 mt
	Size and no of RWH tank(s) and Quantity:	95 Cu. mtr
	Location of the RWH tank(s):	underground
	Quantity of recharge pits:	12 wells
	Size of recharge pits :	Depth 8 mtr X1.2 mtr
	Budgetary allocation (Capital cost) :	1500000
	Budgetary allocation (O & M cost) :	100000
	Details of UGT tanks if any :	Domestic tank: 315 CUM Flushing tank: 160 CUM Fire tank: 500 CUM RWH: 95 CUM
35.Storm water drainage	**Natural water drainage pattern:**	From East to West
	Quantity of storm water:	-
	Size of SWD:	600 mm*600 mm in layout
Sewage and Waste water	**Sewage generation in KLD:**	460 KLD (As per IOD: 224 KLD)
	STP technology:	MBBR
	Capacity of STP (CMD):	1 of STP with 500 KLD Best case.
	Location & area of the STP:	ground level, 266 Sq. mt
	Budgetary allocation (Capital cost):	36,00,000
	Budgetary allocation (O & M cost):	5,00,000
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Total waste generation: 18411.99 CU.MT during construction
	Disposal of the construction waste debris:	Shall be used for land leveling, shall be hand over to authorized site.
Waste generation in the operation Phase:	**Dry waste:**	544 kg/day (As per IOD: 239)
	Wet waste:	1236 kg/day (As per IOD:555)
	Hazardous waste:	Negligible
	Biomedical waste (If applicable):	N/A
	STP Sludge (Dry sludge):	62 kg/day (As per IOD: 28)
	Others if any:	N/A

Mode of Disposal of waste:	**Dry waste:**	Handing over to recycle
	Wet waste:	Shall be treated in OWC
	Hazardous waste:	N/A
	Biomedical waste (If applicable):	N/A
	STP Sludge (Dry sludge):	Shall be used for manuring.
	Others if any:	N/A
Area requirement:	**Location(s):**	ground level
	Area for the storage of waste & other material:	40 Sq.m
	Area for machinery:	15 Sq.m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	2000000
	O & M cost:	200000

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	Diesel	Not applicable	200 KVA for DG	DG Shall be used only in emergency and power failure.
41.Source of Fuel		Not applicable		

42.Mode of Transportation of fuel to site	Not applicable

43.Green Belt Development	**Total RG area :**	2805 Sq.mt out of paved is 759.50 sq.mt (As per IOD: 3068.91 Sq. mt out of that 903.38 Sq.mt is paved)
	No of trees to be cut :	0
	Number of trees to be planted :	60
	List of proposed native trees :	1. Alstonia scholaris – saptaparni 2. Lagerstromea flos-reginae – Taman 3. Azadiracta indica – Neem 4. Caryota urens – Fish tail palm 5. Areca catechu – Supari 6. Bauhinia purpurea – Apata 7. Pongamia pinnata – Karanj 8. Dalbargia sisoo – Shisam 9. Anthocephalus kadamba – Kadamb
	Timeline for completion of plantation :	Before OC

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	1. Alstonia scholaris	saptaparni	10	Local Plant can survive in this climate
2	2. Lagerstromea flos	reginae – Taman	10	Local Plant can survive in this climate
3	3. Azadiracta indica	Neem	8	Local Plant can survive in this climate
4	4. Caryota urens	Fish tail palm	8	Local Plant can survive in this climate
5	9. Anthocephalus kadamba	Kadamb	8	Local Plant can survive in this climate
6	8. Dalbargia sisoo	Shisam	8	Local Plant can survive in this climate
7	7. Pongamia pinnata	Karanj	8	Local Plant can survive in this climate
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	bottle brush tree	2 mt	1585.29 is part of total RG given
2	Plumeria common name Frangipani	2 mt	1585.29 is part of total RG given

47.Energy

Power requirement:	**Source of power supply :**	Reliance/TATA POWER company Ltd
	During Construction Phase: (Demand Load)	150 KW
	DG set as Power back-up during construction phase	NOT PLANNED
	During Operation phase (Connected load):	13102 kW (5203 As per IOD)
	During Operation phase (Demand load):	4321.26 kW (2204 as per IOD)
	Transformer:	1Nos of 1250 KVA
	DG set as Power back-up during operation phase:	NA
	Fuel used:	NA
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Solar water heater system

8%

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar water heater system .	8 %

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Domestic waste water	Not applicable	STP during operation
Municipal solid waste	Not applicable	OWC during operation

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	80 Lacs
	O & M cost:	2 Lacs

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Erosion Control- dust suppression measures barricading and top soil preservation	20

2	Land and water Environment	Workers toilets & sanitation	7.1
3	Health and safety	worker Safety	6
4	Air, Noise, soil, water	Environment Monitoring	3
5	Health and safety	Disinfection and health check-ups (per year)	8
6	Environment Management	Environment Management Cell	10

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	Residential waste water	36	5
2	OWC	Residential solid waste	20	2
3	Landscape	Development and maintenance	15	3
4	RWH	for residential plot	15	0.24
5	Solar Hot Water System	for residential plot	60	2
6	Environment Monitoring	Air, water, noise, soil	-	3
7	Solar PV Panal System	Solar street & common area lighting	20	0.20

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1 junction on 18 m wide road, access to plot is from 18 mt & 60 mt wide road.

Parking details:	**Number and area of basement:**	2673.47 Sq.mt
	Number and area of podia:	9 flr parking area is 20393.38 Sq.mt in MLCP
	Total Parking area:	14105.12 Sq.mt
	Area per car:	34.40
	Area per car:	34.40
	Number of 2-Wheelers as approved by competent authority:	.
	Number of 4-Wheelers as approved by competent authority:	4 Wheeler 626 is approved by competent Authority
	Public Transport:	NA
	Width of all Internal roads (m):	6 mtr
	CRZ/ RRZ clearance obtain, if any:	N/A
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	311 mtr
	Category as per schedule of EIA Notification sheet	8a B2
	Court cases pending if any	N/A
	Other Relevant Informations	Proposed is residential project with shops. This is open land development at Miraroad East.
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Representative of PP was present during the meeting along with environmental consultant Building Environment (India) Pvt. Ltd

PP submitted their application for prior Environmental clearance for total plot area of 16910 Sq. Meters., Total BUA of 93508.26Sq. Mtrs. and FSI area of 41,125Sq. Mtrs. It is proposed to construct Residential and Commercial buildings having maximum height of 98.95 meters. The proposal was previously considered in 76th meeting of SEAC-II dated on 26-10-2018.

PP stated that, they have restricted building height to 69.95 mt reducing number of floors from 33rd floors to 23rd floor. PP further stated that, with respect to this, they have amended plan & CS. PP submitted compliance report which is taken on record.

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

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) PP to submit CFO NoC.
2) PP to submit revised CS as per amendment of floor height in the building.
3) PP to provide balance renewable energy saving of 2.7 % from CER activity.
4) PP to submit CER as per MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project or Environment Department may direct PP to undertake CER work in identified area, as identified by Environment Department.

FINAL RECOMMENDATION

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

Agenda 82nd SEAC-II Meeting

SEAC Meeting number: 82nd SEAC-II Meeting **Meeting Date** December 11, 2018

Subject: Environment Clearance for Amendment in Residential Development - "Arkade Earth" at plot bearing CTS No.1019 Echjay Forgings Pvt. Ltd., Kanjur Village Road, Kanjurmarg (East), Mumbai-42 by M/s. ARKADE DEVELOPERS PVT. LTD.

Is a Violation Case: No

1.Name of Project	Amendment in Residential Development - "Arkade Earth"
2.Type of institution	Private
3.Name of Project Proponent	M/s. ARKADE DEVELOPERS PVT. LTD.
4.Name of Consultant	M/s. Enviro Analysts & Engineers Pvt. Ltd.
5.Type of project	Residential Project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Previous EC received under SEIAA-EC-0000000420 dtd 17.09.2018
8.Location of the project	CTS No.1019 Echjay Forgings Pvt. Ltd., Kanjur Village Road, Kanjurmarg (East), Mumbai-42
9.Taluka	Kurla
10.Village	Kanjurmarg
Correspondence Name:	2nd floor Arkade House, Opp. Bhoomi Arkade, Next to children academy school, Ashok Nagar, A.S.Marg Kandivali East, Mumbai –400101.
Room Number:	.
Floor:	2nd floor
Building Name:	Opp. Bhoomi Arkade,
Road/Street Name:	A.S.Marg
Locality:	Kandivali East
City:	Mumbai
11.Area of the project	Municipal Corporation of Greater Mumbai
12.IOD/IOA/Concession/Plan Approval Number	IOD & Concession received
	IOD/IOA/Concession/Plan Approval Number: IOD: CE/1381/BPES/AS dated 20th April 2016, Concession: CHE/ES/1546/S/337 dtd 22.09.2017
	Approved Built-up Area: 81412.25
13.Note on the initiated work (If applicable)	Construction has been started as per previous EC.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Concession received dtd 22.09.2017
15.Total Plot Area (sq. m.)	15732.90 sq.m
16.Deductions	797.33 sq.m
17.Net Plot area	14935.57 sq.m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 45372.37
	b) Non FSI area (sq. m.): 36039.88
	c) Total BUA area (sq. m.): 81412.25
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 45372.37
	Approved Non FSI area (sq. m.): 36039.88
	Date of Approval: 22-09-2017
19.Total ground coverage (m2)	2237.53
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	15 %
21.Estimated cost of the project	2000000000.00

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Wing A to G	3 Basements + Stilt + 22 Upper Floors	69.65
2	Wing H	3 Basements + Stilt + 23 Upper Floors	69.90
3	Clubhouse	Ground floor	8.00

23.Number of tenants and shops	692 nos
24.Number of expected residents / users	3460 nos
25.Tenant density per hectare	495 tenants/ha
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	18.30 m wide Kanjur Village Road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	7.5 m - 9 m
29.Existing structure (s) if any	Vacant brick-work shed of previous industry.
30.Details of the demolition with disposal (If applicable)	Existing buildings demolished & AC Sheets from Roofs will be disposed via authorized MCGM scrap dealers to CHWTSDF. MS Plates, MS Rolls and Equipment's, Machinery recycled through authorized dealers.

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 Treated water
	Fresh water (CMD):	311
	Recycled water - Flushing (CMD):	158
	Recycled water - Gardening (CMD):	21
	Swimming pool make up (Cum):	3 cum
	Total Water Requirement (CMD) :	493 KLD
	Fire fighting - Underground water tank(CMD):	400 cum
	Fire fighting - Overhead water tank(CMD):	30 cum each wing
	Excess treated water	195 KLD
Wet season:	**Source of water**	MCGM / RWH/ STP Treated water
	Fresh water (CMD):	311
	Recycled water - Flushing (CMD):	158
	Recycled water - Gardening (CMD):	--
	Swimming pool make up (Cum):	--
	Total Water Requirement (CMD) :	469KLD
	Fire fighting - Underground water tank(CMD):	400 cum
	Fire fighting - Overhead water tank(CMD):	30 cum each wing
	Excess treated water	216 KLD
Details of Swimming pool (If any)	3 cum water will be required	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	3-4 meters
	Size and no of RWH tank(s) and Quantity:	3 Nos of Tanks of Total capacity 170 KLD (2 days storage)
	Location of the RWH tank(s):	Below ground level
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Rs. 17 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 1.70 Lakhs
	Details of UGT tanks if any :	Location(s) of the UG tank(s) : Below ground level Domestic water tank: 311cum Flushing tank: 158 cum Fire tank: 400 cum
35.Storm water drainage	**Natural water drainage pattern:**	Towards west
	Quantity of storm water:	0.881 cum/hr
	Size of SWD:	0.45X1.02m wide
Sewage and Waste water	**Sewage generation in KLD:**	415 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	420 KLD
	Location & area of the STP:	Below Ground level
	Budgetary allocation (Capital cost):	Rs. 45 Lakhs
	Budgetary allocation (O & M cost):	Rs. 4.50 lakhs/year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Excavated waste material generated will be reused for backfilling and rest shall be disposed by covered trucks to the authorized landfill sites with permission from Municipal authority
	Disposal of the construction waste debris:	Recyclable waste like empty cement bags & empty paint cans shall be handed over to local vendors. Broken tiles shall be used for china mosaic of terrace. Scrap metals shall be sold to recycler.
Waste generation in the operation Phase:	**Dry waste:**	692 Kg/day
	Wet waste:	1038 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	22 kg
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Will be hand over to Local Recyclers for recycling.
	Wet waste:	Will be processed in the 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):	To be used as manure.
	Others if any:	NA
Area requirement:	**Location(s):**	Ground level
	Area for the storage of waste & other material:	90 sq.m
	Area for machinery:	5 sq.m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 8.00 Lakhs
	O & M cost:	Rs. 3.00 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 :**	4785.66 Sq mtr.
	No of trees to be cut :	0
	Number of trees to be planted :	239 nos.
	List of proposed native trees :	as listed below
	Timeline for completion of plantation :	at the end of construction phase

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Albizzia Lebbeck	Shirish	12	Medicinal tree
2	Azadirachta Indica	Neem	20	Medicinal tree
3	Saraca Asoca	Sita Ashok	10	Flowering tree
4	Pongamia Pinnata	Karanj	17	EvergreenTree
5	Ficus Retusa	Nandruk	14	Ficus Retusa
6	Cassia Fistula	Bahava	14	Flowering Plant
7	Nyctanthes Arbortristis	Parijatak	13	Flowering Plant
8	Lagerstroemia Flosregineae	Tamhan	10	Flowering Plant
9	Bauhinea Blackeana	Hong kong orchid tree	20	Flowering Tree
10	Caryota Urens	Fish Tail Palm	15	Ornamental tree
11	Ailanthus Excelsa	Maharukh	10	-
12	Alstonia Scholaris	Satwin	11	EvergreenTree
13	Anthocephallus Cadamba	Kadamb	18	EvergreenTree
14	Murraya Paniculata	Kunti	10	EvergreenTree
15	Bombax Ceiba	Katesavar	13	EvergreenTree
16	Bauhinia racemosa	Apta	10	EvergreenTree
17	Erythrina indica	Pangara	7	Flowering plant
18	Michelia champaca	Sonchafa	15	Flowering 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	NA	NA	NA

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL or Tata Power
	During Construction Phase: (Demand Load)	100 KW
	DG set as Power back-up during construction phase	100 KVA
	During Operation phase (Connected load):	5719.21 Kw
	During Operation phase (Demand load):	2680.77 Kw
	Transformer:	2 nos.
	DG set as Power back-up during operation phase:	1 X 600 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Day mode / evening modes and night mode for lighting control. Energy savings app.60%
Electronic ballast – Normal copper ballast consume app. 8 W where as electronic ballasts consume 4W for 36W fixture. i.e. watt losses with copper ballast are app. 25% whereas with electronic ballast shall be 12.5 % i.e. saving of app 12 % in lighting power.
Energy efficient lamps – Usage of lamps reduces power consumption in lighting. Use of CFL / T5 lamps in place of normal T8 / incandescent lamps shall bring down energy consumption by app. 30%. Use of LED for landscape lighting shall bring down energy use by app. 60% compared to normal metal halides / high pressure sodium or CFL lamps.
Use of solar energy for landscape lighting – Partial power for landscape / street lighting shall be provided by solar energy. App. 10 – 20% shall be the target figure.
Use of Energy efficient equipments like low loss Transformers & switchgears. Energy savings app. 2%.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	total energy savings	22.43 %

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. 22.5 lakhs
	O & M cost:	Rs. 0.9 lakhs

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

1	Air Environment	Water Sprinkling, Green Belt Development, Covered storage area	4
2	Noise Environment	Noise Baricades and Green Belt Developments	3
3	Water Environment	Modular STP , Drainage with sedimentation tanks	3
4	Good Health Practices	Site Sanitation & Health Care	3
5	Environment Monitoring	Environment Monitoring	3

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Water Environment	STP	45	4.5
2	Solid waste management	OWC	8	3
3	Energy saving	Solar	22.5	0.9
4	Land Environment	Landscaping	18.49	3.29
5	Water Environment	RWH	17	1.70

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:	Entries & Exit: 1 Nos. through 18.30 m wide Kanjur Village Road

Parking details:	**Number and area of basement:**	3 basements
	Number and area of podia:	nil
	Total Parking area:	17461.81 Sqmtr
	Area per car:	Small Car – 10.35 Sq mtr & Big Car – 13.75 Sq mtr
	Area per car:	Small Car – 10.35 Sq mtr & Big Car – 13.75 Sq mtr
	Number of 2-Wheelers as approved by competent authority:	14nos.
	Number of 4-Wheelers as approved by competent authority:	797 nos.
	Public Transport:	Nil
	Width of all Internal roads (m):	6 m wide
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park (Aerial distance from plot boundary to ESZ boundary - 3 km)
	Category as per schedule of EIA Notification sheet	Schedule 8(a), Category 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

Representative of PP Mr. Sandeep Jain & Architect Mr. Bhushan Gagrani were present during the meeting along with environmental consultant M/s ENVIRO ANALYSTS & ENGINEERS PVT. LTD.

PP informed that, they have received Environmental Clearance from Ministry of Environment and Forests vide letter dated 23/6/2015 & then amended EC on 8/6/2018 & 17/9/2018. The total construction area is 70,320.89 sq.m (FSI area: 37296.24 sq.mt). PP also stated that, the construction done on site till date is 39,448.1 sq.m

PP further informed that, the project under consideration is for amendment and expansion in EC due to additional FSI as per revised policy of road width. PP informed that the total plot area of the project is 15732.90Sq.mt having total construction area 81412.25Sq. mt. (FSI- 45372.37Sq. mt.+ NON FSI- 36039.88Sq. mt.). And building configuration as;

	AS PER EC DATED: 17th SEPTEMBER 2018	**AMENDMENT PROPOSED**
NO.OF BUILDINGS & CONFIGURATION	Wing A to B: 3B + G + (pt) 21 upper floors	Wing A to B: 3 Basements + Stilt + 22 Upper Floors Wing D to G: 3 Basements + Stilt + 22 Upper Floors
	Wing D, E , F & G: 3B + G + 20 upper floors	Wing C : 3 Basements + Stilt + 22 Upper Floors Wing H: 3 Basements + Stilt + 23 Upper Floors
	Clubhouse : Ground+1 floor	Clubhouse : Ground + 1 Floor

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

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) PP to submit the copy of CFO NoC.
2) PP to submit Structural Engineers certificate.
3) PP to upload approved plan.
4) PP to submit the detail chronology along with building configuration approved in earlier ECs (2015, June 2018, September, 2018), approved plans, cross sections of buildings & construction completed till date to ascertain any violation, if any.
5) PP to upload copy of all ECs.
6) PP to submit the architect certificate for construction done on site with cross sections of basements.
7) PP to submit the copy of company resolution indicating authorized person for presenting the matter.

FINAL RECOMMENDATION

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

Agenda 82nd SEAC-II Meeting

SEAC Meeting number: 82nd SEAC-II Meeting **Meeting Date** December 11, 2018

Subject: Environment Clearance for "Growel's 101 Mall" (Shopping Mall and Multiplex)

Is a Violation Case: Yes

1.Name of Project	"Growel's 101 Mall" (Shopping Mall and Multiplex)
2.Type of institution	Private
3.Name of Project Proponent	M/s. Grauer & Weil (India) Limited
4.Name of Consultant	M/s. Ultra-Tech
5.Type of project	Shopping Mall and Multiplex
6.New project/expansion in existing project/modernization/diversification in existing project	The project is an expansion of Growel's 101 Mall
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	The project is an expansion of Growel's 101 Mall Phase I (Wing F) and part of Phase II (Wing A, B & C) are completed and occupied as per Commencement Certificate (CC) & Occupation Certificate (OC) received from MCGM
8.Location of the project	CTS. No. 151, Growel House, Akurli Road, Kandivali (E), Mumbai.
9.Taluka	Akurli
10.Village	Akurli
Correspondence Name:	Mr. Vinod Haritwal (CEO & Director)
Room Number:	--
Floor:	--
Building Name:	CTS 151, Growel House
Road/Street Name:	Akurli Road
Locality:	Kandivali (E)
City:	Mumbai
11.Area of the project	Municipal Corporation of Greater Mumbai (M.C.G.M.)
12.IOD/IOA/Concession/Plan Approval Number	For Wing F - IOD & CC no. - CHE/A-3136 BP(WS)/AR and For Wing A, B & C - IOD & CC no. - CHE/A - 3465/BP(WS)/AR
	IOD/IOA/Concession/Plan Approval Number: For Wing F - IOD & CC no. - CHE/A-3136 BP(WS)/AR and For Wing A, B & C - IOD & CC no. - CHE/A - 3465/BP(WS)/AR
	Approved Built-up Area: 34019.77
13.Note on the initiated work (If applicable)	Total constructed work (FSI + Non FSI): 40,889.58 Sq. mt.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	For Wing F - IOD & CC no. - CHE/A-3136 BP(WS)/AR and For Wing A, B & C - IOD & CC no. - CHE/A - 3465/BP(WS)/AR
15.Total Plot Area (sq. m.)	37,832.90 Sq. mt.
16.Deductions	8,097.02 Sq. mt.
17.Net Plot area	29,735.88 Sq. mt.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 38,089.91
	b) Non FSI area (sq. m.): 20,406.24
	c) Total BUA area (sq. m.): 58496.15
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 34019.77
	Approved Non FSI area (sq. m.): --
	Date of Approval: 03-05-2011
19.Total ground coverage (m2)	11,385.68
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	38 %
21.Estimated cost of the project	201446000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	SHOPPING MALL WITH MULTIPLEX	--	--
2	Phase I (Not under purview of EIA notification)	--	--
3	Existing and Occupied Wings: Wing F	Basement + Ground + 1st to 3rd Upper Floors	17.70 mt.
4	Phase II (Under purview of EIA Notification)	--	--
5	Existing and Occupied Wings: (Constructed between EIA Notification,1994 as amended on 7th July 2004 and 14th September 2006)	Wing A: Ground + 1st to 4th Upper Floor	21.90 mt.
6	Existing and Occupied Wings: (Constructed between EIA Notification,1994 as amended on 7th July 2004 and 14th September 2006)	Wing B: Part Basement + Ground + 1st to 3rd Upper Floor	17.70 mt.
7	Existing and Occupied Wings: (Constructed between EIA Notification,1994 as amended on 7th July 2004 and 14th September 2006)	Wing C: Ground + 1st to 4th Upper Floor	21.90 mt.
8	Phase II	--	--
9	Proposed - Wing D	2 Basements + Ground + 1st to 2nd Upper Floor	12.60 mt.

23.Number of tenants and shops	Shopping Mall and Multiplex
24.Number of expected residents / users	Total Occupancy: 9982 Nos.
25.Tenant density per hectare	--
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	18.30 m wide Akurli road and 61 m Western Express Highway
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Min. 7.5 mt.
29.Existing structure (s) if any	Shopping Mall and Multiplex
30.Details of the demolition with disposal (If applicable)	Not Applicable

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	M.C.G.M./Tanker Water of potable quality
	Fresh water (CMD):	101 (For Domestic: 64 KLD from M.C.G.M. + For part requirement of cooling tower: 15 KLD from Tanker Water of potable quality)
	Recycled water - Flushing (CMD):	145 (For Flushing = 109 KLD + Cooling Tower make up = 35 KLD)
	Recycled water - Gardening (CMD):	1
	Swimming pool make up (Cum):	--
	Total Water Requirement (CMD) :	246 KLD
	Fire fighting - Underground water tank(CMD):	484 KL
	Fire fighting - Overhead water tank(CMD):	90 KL
	Excess treated water	0
Wet season:	**Source of water**	M.C.G.M./RWH/Tanker Water of potable quality
	Fresh water (CMD):	78 (For Domestic: From M.C.G.M.= 47 KLD and From RWH Tanks = 17 KLD And For part requirement of cooling tower: 14 KLD from Tanker Water of potable quality)
	Recycled water - Flushing (CMD):	145 (Flushing = 109 KLD And Cooling Tower make up = 36 KLD)
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	--
	Total Water Requirement (CMD) :	223 KLD
	Fire fighting - Underground water tank(CMD):	484 KL
	Fire fighting - Overhead water tank(CMD):	90 KL
	Excess treated water	0
Details of Swimming pool (If any)	Not applicable	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	1.30 mt. to 1.55 mt. below ground level
	Size and no of RWH tank(s) and Quantity:	RWH tank of capacity 44 KL
	Location of the RWH tank(s):	Underground
	Quantity of recharge pits:	Nil
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Rs. 7.40 Lacs
	Budgetary allocation (O & M cost) :	Rs. 0.28 Lacs/annum
	Details of UGT tanks if any :	Basement
35.Storm water drainage	**Natural water drainage pattern:**	Adequate capacity of internal storm water drain with connection to external SWD
	Quantity of storm water:	1.12 m3/sec
	Size of SWD:	Carrying capacity of drain is 20.70 m3/sec
Sewage and Waste water	**Sewage generation in KLD:**	Sewage:159 KLD And Effluent: 1 KLD
	STP technology:	MBBR (Moving Bed Bio Reactor)
	Capacity of STP (CMD):	1 STP of capacity 170 KL And 1 ETP of capacity 10 KL
	Location & area of the STP:	Ground Level
	Budgetary allocation (Capital cost):	Rs. 60.45 Lacs
	Budgetary allocation (O & M cost):	Will be submitted

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Partly shall be reused and remaining shall be disposed to authorized landfill site
	Disposal of the construction waste debris:	--
Waste generation in the operation Phase:	**Dry waste:**	1219 kg/day
	Wet waste:	399 kg/day
	Hazardous waste:	Discarded Containers/Barrels/Liners (33.3) – 0.01 MT And Chemical Sludge, Oil and Grease Skimming Residues (34.4) – 0.01 MT
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	24 kg/day
	Others if any:	--

Mode of Disposal of waste:	**Dry waste:**	To Authorized recyclers
	Wet waste:	Organic Waste Converter
	Hazardous waste:	To CHWTSDF
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Use as manure
	Others if any:	--
Area requirement:	**Location(s):**	Ground level
	Area for the storage of waste & other material:	65 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. 1.62 lacs/annum

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	--	--	--	--	--

Amount of effluent generation (CMD):	1 KLD
Capacity of the ETP:	10 KL
Amount of treated effluent recycled :	0.7 KL
Amount of water send to the CETP:	--
Membership of CETP (if require):	--
Note on ETP technology to be used	Conventional treatment
Disposal of the ETP sludge	To CHWTSDF site

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Discarded Containers/Barrels/Liners (33.3)	33.3	MT	0.01 MT	Nil	0.01 MT	To CHWTSDF
2	o Chemical Sludge, Oil and Grease Skimming Residues (34.4)	34.4	MT	0.01 MT	Nil	0.01 MT	To CHWTSDF

39.Stacks emission Details

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

40.Details of Fuel to be used

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

41.Source of Fuel	--

42.Mode of Transportation of fuel to site	--

43.Green Belt Development	**Total RG area :**	7543.44 Sq. mt.
	No of trees to be cut :	Nil
	Number of trees to be planted :	Plantation already done: 736 Nos. (83 nos. on site & 653 nos. in the premises of defense which is adjacent to project site)
	List of proposed native trees :	--
	Timeline for completion of plantation :	Already done

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

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

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

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

47.Energy

Power requirement:	**Source of power supply :**	TATA Power
	During Construction Phase: (Demand Load)	As per requirement
	DG set as Power back-up during construction phase	As per requirement
	During Operation phase (Connected load):	Will be submitted
	During Operation phase (Demand load):	Will be submitted
	Transformer:	--
	DG set as Power back-up during operation phase:	For Existing Wing F, A, B and C: 3 nos. DG set of capacity 625 kVA each & 1 no. of 500 kVA ; For Proposed Wing D: 1 DG set of capacity 320 kVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

- Provision of Solar PV Panels for Lighting & Power load
- Use of water pumps with Energy Meter
- Use of Inverter based VRV system
- Use of Regenerative Type Lift system

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Will be submitted	--

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 282.71 Lacs
	O & M cost:	Rs. 6.66 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	0.36
2	Air Environment	Air & Noise monitoring- By outside MoEF & CC Approved Laboratory	0.22
3	Air Environment	Air & Noise monitoring- On site sensors for Air & Noise monitoring	10.50
4	Water Environment	Drinking water analysis	0.18
5	Land Environment	Site Sanitation	3.00
6	Health & Hygiene Environment	Disinfection- Pest Control	1.20
7	Health & Hygiene Environment	Health Check up of workers	2.70
8	Cost towards Disaster management	--	10.54

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	41.49	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	Cost for Maintenance of sensors for Air & Noise monitoring	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	0.14
5	Water Environment	Waste water treatment -Cost for sewage Treatment Plant	34.95	Will be submitted
6	Water Environment	Waste water treatment -Cost for effluent Treatment Plant	7.50	Will be submitted
7	Water Environment	Waste water treatment -On site Sensors	18.00	1.00
8	Water Environment	Waste water treatment -Cost for Waste water Monitoring (By outside MoEF Approved Laboratory)	No set up cost is involved	0.05
9	Water Environment	Water Conservation (Rain Water Harvesting System) - Cost for RWH details (RWH tank)	4.40	0.05
10	Water Environment	Water Conservation (Rain Water Harvesting System) - Cost for treatment unit for rain water tanks	3.00	0.01
11	Water Environment	Water Conservation (Rain Water Harvesting System) - Cost for Rainwater Monitoring	No set up cost is involved	0.05
12	Land Environment (Solid Waste Management)	Cost for Treatment of biodegradable garbage in OWC	9.00	1.54
13	Land Environment (Solid Waste Management)	Cost for monitoring of organic manure	No set up cost is involved	0.08
14	Energy Conservation	Solar system	282.71	6.66
15	Cost towards Disaster management	--	144.37	28.87

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	2 nos. of Entry and Exit
Parking details:	**Number and area of basement:**	Two Basements
	Number and area of podia:	Not applicable
	Total Parking area:	11332.16 Sq. mt.
	Area per car:	--
	Area per car:	--
	Number of 2-Wheelers as approved by competent authority:	70 Nos.
	Number of 4-Wheelers as approved by competent authority:	746 Nos.
	Public Transport:	Nil
	Width of all Internal roads (m):	Minimum 6.0 mt.
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park : Approx. 2.00 km
	Category as per schedule of EIA Notification sheet	Category 8 (a) B2
	Court cases pending if any	Nil
	Other Relevant Informations	--
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	06-07-2017

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

DECISION OF SEAC

PP Mr. Ajay gupta was present during the meeting along with environmental consultant M/s Ultra-tech.

PP and Environment Consultant M/s Ultra-tech *has disclosed that, construction* has already been carried out and agreed that it is a violation of EIA Notification.

It is noted that SEIAA stipulating detailed procedure to be adopted by SEACs regarding guidelines issued by Environment Department, Government of Maharashtra dated 3rd April, 2018 for appraisal of violation cases for grant of Environment Clearance under provision of the EIA Notification dated 14/9/2006 in light of the Notification No 1030(E)/1031(E) dated 8th March, 2018 issued by the Ministry of Environment, Forest & Climate Change. Considering this, it is decided to defer the proposal.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

SEAC-II decided to refer the proposal to SEIAA/Environment Department for verification of above mentioned violation.

Agenda 82nd SEAC-II Meeting

SEAC Meeting number: 82nd SEAC-II Meeting **Meeting Date** December 11, 2018

Subject: Environment Clearance for Proposed residential cum commercial project at Megathane, Borivali By M/s Shreenath Realtors

Is a Violation Case: No

1.Name of Project	"Om Shivai SRA" Project
2.Type of institution	Private
3.Name of Project Proponent	Shri. Mayur Gandhi
4.Name of Consultant	Building Environment (India) Pvt.Ltd
5.Type of project	SRA Scheme
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	C.T.S. No. 215 (pt), 219 (pt), 220 (pt), 223 (pt), 224 (pt) 260 (pt) & 284 (pt)
9.Taluka	Borivali
10.Village	Magathane
Correspondence Name:	M/s. Shreenath Realtors
Room Number:	--
Floor:	3rd floor
Building Name:	Om Apartment
Road/Street Name:	Carter Road
Locality:	--
City:	Borivali
11.Area of the project	Municipal corporation of greater Mumbai
12.IOD/IOA/Concession/Plan Approval Number	IOD
	IOD/IOA/Concession/Plan Approval Number: SRA /ENGI/339/RC/NHL/LAY on dated 20.04.2017
	Approved Built-up Area: 59066.83
13.Note on the initiated work (If applicable)	Proposed project consist of total 6 nos. of buildings. Out of which 2 Rehab building already constructed upto Gr + 7th Floors & till date 9281.31 Sq mt construction is completed on site & which obtained OC on 20.04.2017. Construction activity of remaining 4 buildings not yet started.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	LOI Applicable
15.Total Plot Area (sq. m.)	16185
16.Deductions	2242
17.Net Plot area	13943
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 59067
	b) Non FSI area (sq. m.): 31602
	c) Total BUA area (sq. m.): 90669
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 59067
	Approved Non FSI area (sq. m.): 31602
	Date of Approval: 01-01-1900
19.Total ground coverage (m2)	3969
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	28 %
21.Estimated cost of the project	2050000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building no 1	Gr + 7 Floors	23.80
2	Building no 2	Gr + 7 Floors	23.80
3	Building no 3	Stilt + 22 floors	68.30
4	Building no 4	Stilt + 22 floors	68.30
5	Building no 5	Gr + 23 Floors	69.85
6	Building no 6	Basement + Gr + Podium + 22 Floors	69.85
7	--	--	--

23.Number of tenants and shops	Flats : 1427 nos. Shops: 114 nos.
24.Number of expected residents / users	Flats :7135 nos. Shops: 342 nos.
25.Tenant density per hectare	510 t/s per net Ha
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	18.30 M
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	6-9 M
29.Existing structure (s) if any	There are existing slums on the project site which will be demolished.
30.Details of the demolition with disposal (If applicable)	There are existing slums on the project site which will be demolished. Demolition waste will be handed over authorized vendor.

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	MCGM
	Fresh water (CMD):	647.00
	Recycled water - Flushing (CMD):	331.00
	Recycled water - Gardening (CMD):	6.0
	Swimming pool make up (Cum):	--
	Total Water Requirement (CMD) :	988.00
	Fire fighting - Underground water tank(CMD):	--
	Fire fighting - Overhead water tank(CMD):	--
	Excess treated water	452.00
Wet season:	**Source of water**	MCGM
	Fresh water (CMD):	647.00
	Recycled water - Flushing (CMD):	331.00
	Recycled water - Gardening (CMD):	--
	Swimming pool make up (Cum):	--
	Total Water Requirement (CMD) :	982.00
	Fire fighting - Underground water tank(CMD):	--
	Fire fighting - Overhead water tank(CMD):	--
	Excess treated water	458.00
Details of Swimming pool (If any)	Not applicable	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	2-3 M below ground level
	Size and no of RWH tank(s) and Quantity:	2 RWH TANK OF CAPACITY 25 KLD EACH.
	Location of the RWH tank(s):	Underground Level
	Quantity of recharge pits:	Not applicable
	Size of recharge pits :	Not applicable
	Budgetary allocation (Capital cost) :	15.00 LACS
	Budgetary allocation (O & M cost) :	1.00 Lacs / year
	Details of UGT tanks if any :	Underground Level
35.Storm water drainage	**Natural water drainage pattern:**	The arrangement for disposal of SW through and from the plot as per the remarks of SW department, MCGM
	Quantity of storm water:	0.15 m3/sec
	Size of SWD:	800 mm wide with 1:300 slope
Sewage and Waste water	**Sewage generation in KLD:**	881.00
	STP technology:	MBBR
	Capacity of STP (CMD):	2 STP of capacity 450 each.
	Location & area of the STP:	Ground level
	Budgetary allocation (Capital cost):	77.0 Lacs
	Budgetary allocation (O & M cost):	8.00 Lacs /year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Debris & excavated material generated shall be disposed by covered trucks to the authorized sites with permission from MCGM
	Disposal of the construction waste debris:	Construction debris shall be disposed of by covered trucks to the authorized sites with the permission of MCGM
Waste generation in the operation Phase:	**Dry waste:**	1023 Kg/day
	Wet waste:	2497 Kg/day
	Hazardous waste:	Cannot be quantified at this stage as this is a residential project.
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	220 Kg/day
	Others if any:	Not applicable

Mode of Disposal of waste:	**Dry waste:**	Handed over to MCGM.
	Wet waste:	OWC & used at site / as manure
	Hazardous waste:	Shall be handed over to authorized common hazardous waste disposal site
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Used as manure within the premises for plants. Excess shall be sold /handover to outside parties or gardens.
	Others if any:	Not applicable
Area requirement:	**Location(s):**	Ground level.
	Area for the storage of waste & other material:	180 sq.mt
	Area for machinery:	OWC 500 = 3m x 4 m = 12 Sq.m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	18.00 Lacs
	O & M cost:	1.80 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 :**	1261
	No of trees to be cut :	Not applicable
	Number of trees to be planted :	61 NOS.
	List of proposed native trees :	Nandruk Palas Kadamb Neem Sita ashok Apta Fish tail palm Son chafa Bhava Parijatak Bakul Satwin Ailanthus excelsa Karanj
	Timeline for completion of plantation :	3 YEARS

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Ficus retusa	Nandruk	5	Shady tree, good for roadside plantation
2	Butea monosperma	Palas	5	Medium sized deciduous tree. Beautiful orange flowers, Butterfly host plant
3	Anthocephalus cadamba	Kadamb	10	Shady, large deciduous tree, fastgrowing graceful tree, ball shaped flowers.
4	Azadirachta indica	Neem	10	Semi-evergreen tree with medicinal value
5	Cassia fistula	Bhava	11	Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plant
6	Nyctanthes arbortristis	Parijatak	20	It is a shrub or a small tree growing to 10 m (33 ft) tall, with flaky grey bark.
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	Tata Power
	During Construction Phase: (Demand Load)	--
	DG set as Power back-up during construction phase	--
	During Operation phase (Connected load):	2953 KW
	During Operation phase (Demand load):	1772 KW
	Transformer:	--
	DG set as Power back-up during operation phase:	Total 2 DG set will be provided
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	Not applicable

48.Energy saving by non-conventional method:

? All internal (Apartments) area lighting are proposed to work on high energy efficient lamps (LED as specified in bureau of energy efficiency, which again results in saving in general consumption.
? The kitchen appliances like refrigerator, washing machine is proposed to be BEE compliant star rated machines which in turn save minimum 20 % power as compared to without star rated machine.
? Solar water system is proposed for hot water requirement for apartments only.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	? All internal (Apartments) area lighting are proposed to work on high energy efficient lamps (LED as specified in bureau of energy efficiency, which again results in saving in general consumption. ? The kitchen appliances like refrigerator, washing machine is proposed to be BEE compliant star rated machines which in turn save minimum 20 % power as compared to without star rated machine. ? Solar water system is proposed for hot water requirement for apartments only.	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:**	45.5 Lacs
	O & M cost:	3.00 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	1	PPE	5.0
2	1	Site Sanitation Facility	4.0
3	1	Drinking water facility	2.0
4	1	Solid Waste Management	2.5
5	1	Safety railing, platform, ladder, hoist, Cranes etc.	6.0
6	1	House keeping	2.0
7	1	Health Check	1.0
8	1	Environmental Monitoring	1.5
9	--	Total	24

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	1	STP	77.00	8.00
2	1	Rain water harvesting	15.00	1.00
3	1	Gardening	2.66	0.11
4	1	Energy Saving	45.50	3.00
5	1	Cost for Treatment of biodegradable garbage in SWM	18.00	1.80
6	1	Environmental Monitoring	MOEF approved agency for monitoring	16.39
7	1	DMP	428.07	25.79
8	--	Total	586.23	56.09

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

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

52.Any Other Information

No Information Available

53.Traffic Management

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

Parking details:	**Number and area of basement:**	1 no. of basement of area: 3375.98 sq.mt
	Number and area of podia:	1 no. of podium of area: 3308.09 sq.mt
	Total Parking area:	--
	Area per car:	13.75 Sq.mt
	Area per car:	13.75 Sq.mt
	Number of 2-Wheelers as approved by competent authority:	--
	Number of 4-Wheelers as approved by competent authority:	280 nos.
	Public Transport:	Not applicable
	Width of all Internal roads (m):	6 - 9 M
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable
	Category as per schedule of EIA Notification sheet	Category B2 of Projects and activity number 8(a) – Building & Construction Projects
	Court cases pending if any	Not applicable
	Other Relevant Informations	Not applicable
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

DECISION OF SEAC

PP was absent; hence the project is deferred.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

Agenda 82nd SEAC-II Meeting

SEAC Meeting number: 82nd SEAC-II Meeting **Meeting Date** December 11, 2018

Subject: Environment Clearance for Proposed Residential Cum Commercial Project at Plot bearing S. No. 289/2A, 2B, S. No. 415, 280/1A, 1B, 280/4 at Majiwade, Pokhran Road No. 2, Thane, Maharashtra Proposed By VINAYAK DEVELOPERS

Is a Violation Case: No

1.Name of Project	Proposed Residential Cum Commercial Project
2.Type of institution	Private
3.Name of Project Proponent	Mr. Pranay Shah; Vinayak Developers
4.Name of Consultant	Dr. D. A. Patil; Mahabal Enviro Engineers Pvt. Ltd.
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No
8.Location of the project	On Plot bearing S. No. 289/2A, 2B, S. No. 415, 280/1A, 1B, 280/4 at Majiwade, Pokhran Road No. 2, Thane, Maharashtra
9.Taluka	Thane
10.Village	Majiwade
Correspondence Name:	Mr. Pranay Shah; Vinayak Developers
Room Number:	-
Floor:	-
Building Name:	Meghdoot
Road/Street Name:	Vallabh Baug Lane
Locality:	Damji Shamji Shah Chowk
City:	Ghatkopar (E), Mumbai - 400077
11.Area of the project	Thane Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	IOD Received
	IOD/IOA/Concession/Plan Approval Number: S04/0100/16(2002/81) TMC/TDD/2271/17 dated 05.08.2017
	Approved Built-up Area: 83504.96
13.Note on the initiated work (If applicable)	No work started
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	LOI from TMC received vide letter No. 1056 dated 02.06.2018
15.Total Plot Area (sq. m.)	53,620.00 m2
16.Deductions	41,267.32 m2
17.Net Plot area	12,352.68 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 39,590.88 m2
	b) Non FSI area (sq. m.): 43,914.08 m2
	c) Total BUA area (sq. m.): 83504.96
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 39,590.88 m2
	Approved Non FSI area (sq. m.): 43,914.08 m2
	Date of Approval: 02-06-2018
19.Total ground coverage (m2)	6256.75 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	50.6 %
21.Estimated cost of the project	1800000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Bldg. No. 1	B + LG + UG + P + U St. + Service Floor + 1st to 37th Upper Floors	126.55
2	Bldg. No. 2	B + LG + UG + P + U St. + Service Floor + 1st to 37th Upper Floors	126.55

23.Number of tenants and shops	Sale Flats: 651 Nos. MHADA Flats: 57 Nos. Commercial Area: 1202 m2 Fitness center: 1294.56 m2 Club house: 182.38 m2
24.Number of expected residents / users	3808 Nos.
25.Tenant density per hectare	-
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	The project site is accessed by 40 m wide Pokhran Road No. 2
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	No
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):	325
	Recycled water - Flushing (CMD):	165
	Recycled water - Gardening (CMD):	20
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	490
	Fire fighting - Underground water tank(CMD):	As per NBC
	Fire fighting - Overhead water tank(CMD):	As per NBC
	Excess treated water	268
Wet season:	**Source of water**	TMC
	Fresh water (CMD):	302
	Recycled water - Flushing (CMD):	165
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	490
	Fire fighting - Underground water tank(CMD):	As per NBC
	Fire fighting - Overhead water tank(CMD):	As per NBC
	Excess treated water	288
Details of Swimming pool (If any)	-	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Ground water table at depth of 3 to 4 m
	Size and no of RWH tank(s) and Quantity:	2 RWH tanks with total 50 KL capacity
	Location of the RWH tank(s):	Below ground
	Quantity of recharge pits:	-
	Size of recharge pits :	-
	Budgetary allocation (Capital cost) :	Rs. 12 Lakh
	Budgetary allocation (O & M cost) :	Rs. 1 Lakh/year
	Details of UGT tanks if any :	Will be provided as per NBC at Basement/ground.
35.Storm water drainage	**Natural water drainage pattern:**	The slope of the plot is towards north side
	Quantity of storm water:	The storm water generation 6193 m3/hr
	Size of SWD:	400 mm x 600 mm and 600 x 750 mm wide internal SWD drains
Sewage and Waste water	**Sewage generation in KLD:**	457 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	1 STP of 500 KLD capacity
	Location & area of the STP:	Below Basement
	Budgetary allocation (Capital cost):	Rs.105 Lakh
	Budgetary allocation (O & M cost):	Rs. 20 Lakh/year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction debris: 83,504.96 m3, Excavation for basement and foundation purpose
	Disposal of the construction waste debris:	The construction debris waste will be disposed as per Construction debris and demolition waste management Rule 2016
Waste generation in the operation Phase:	**Dry waste:**	729 kg/day
	Wet waste:	1094 kg/day
	Hazardous waste:	-
	Biomedical waste (If applicable):	-
	STP Sludge (Dry sludge):	5 kg/day
	Others if any:	-

Mode of Disposal of waste:	**Dry waste:**	Dry garbage will be segregated & disposed off to recyclers
	Wet waste:	Wet garbage will be composted using Mechanical Composting Technology and used as organic manure for landscaping.
	Hazardous waste:	-
	Biomedical waste (If applicable):	-
	STP Sludge (Dry sludge):	Sludge use as manure for gardening
	Others if any:	Household E-waste generation
Area requirement:	**Location(s):**	On ground
	Area for the storage of waste & other material:	100 m2
	Area for machinery:	35 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 40 Lakh
	O & M cost:	Rs. 16 Lakh/yr

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	RG on Ground: 4012.62 m2
	No of trees to be cut :	22 Nos.
	Number of trees to be planted :	150 Nos.
	List of proposed native trees :	Given below
	Timeline for completion of plantation :	Within 2 years of completion of construction activity

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	ERYTHRINA INDICA	Pangara	20	As medicinal value, Bird and insect attractive.
2	LAGERSTROEMIA SPECIOSA	Tamhan	10	Edible, mature fruit as medicinal value, Bird and insect attractive.
3	MIMUSOP ELENGI	Bakul	15	As medicinal value, Bird and insect attractive.
4	PONGAMIA PINNATA	Karanj	18	Valued for its oil and insect repellent, having medicinal value.
5	SARACA INDICA	Sita Ashok	20	As medicinal value, Bird and insect attractive.
6	ANTHOCEPHALUS CADAMBA	Kadamba	10	Shady, large tree, ball shaped flowers.
7	AZADIRACHTA INDICA	Neem	12	Semi-evergreen tree with medicinal value
8	BAUHINIA PURPUREA	Apta	05	Small tree with small white flowers, Butterfly host plant
9	EUGENIA JAMBOLANA	Jambul	8	Fruit tree attracting birds
10	MICHELIA CHAMPACA	Chafa	6	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
11	MILLINGTONIA HORTENSIS	Indian cork tree	15	Evergreen Tree
12	NYCTANTHES ARBOR TRISTIS	Parijat	3	Small deciduous fast growing tree, beautiful flowers.
13	POLYALTHIA LONGIFOLIA	Ashoka Tree	8	Shady tree with red-yellow flowers.
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	200 kVA
	DG set as Power back-up during construction phase	200 kVA
	During Operation phase (Connected load):	5.5 MW
	During Operation phase (Demand load):	3.0 MW
	Transformer:	-
	DG set as Power back-up during operation phase:	750 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	Nil

48.Energy saving by non-conventional method:

Solar PV Hot water to Residential Buildings, Solar PV Panels on Roof Top of Commercial Area
Solar Street lighting in landscape , common area passages

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	• Use of Energy Efficient Pumps & Motors for firefighting, UG Tanks and STP • Solar PV Panels on Roof Top of Commercial Area • Energy efficient lighting fixtures (LED lights) to all buildings • Use of energy efficient lifts • Efficient wall systems like solid blocks with fly ash content • Use of low-e glass to reduce power requirement • Natural shading through elevation features to minimize heat gain and reduce air-conditioning requirement	25.15%

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 100 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	Water spray for dust suppression	-	5

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

b) Operation Phase (with Break-up):

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

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

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

52.Any Other Information

No Information Available

53.Traffic Management

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

Parking details:	**Number and area of basement:**	1 Basement with area: 6340.48 m2
	Number and area of podia:	1 Podium with area: 5588.25 m2
	Total Parking area:	15,450.72 m2
	Area per car:	-
	Area per car:	-
	Number of 2-Wheelers as approved by competent authority:	Sale: 715 Nos. MHADA: 60 Nos.
	Number of 4-Wheelers as approved by competent authority:	Sale: 765 Nos. MHADA: 31 Nos.
	Public Transport:	-
	Width of all Internal roads (m):	Min 6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park : 0.8 km approx
	Category as per schedule of EIA Notification sheet	8(a)
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

DECISION OF SEAC

PP Mr. Pranay Shah was present during the meeting along with environmental consultant M/s Mahabal Enviro Engineers Pvt.Ltd.

PP stated that, there is change in planning now the project under consideration is with building configuration- Building 1 & 2- B + LG + UG + P + U St. + Service Floor + 1st to 38th Upper Floors, instead of 37th Upper Floors. Committee noted that PP & Environment consultant have not revised the *consolidated statement & also not bring the copies of revised CS.* ***Therefore the project is deferred & only considered after submission of correct information.***

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

Agenda 82nd SEAC-II Meeting

SEAC Meeting number: 82nd SEAC-II Meeting **Meeting Date** December 11, 2018

Subject: Environment Clearance for Proposed development of Building No. 4 on sub-devided plot 'A' on plot bearing C.T.S. No. 132A/1, 132A/2, 134C, 135B, 135C, 136 of village Akurli at Kandivali (E)

Is a Violation Case: No

1.Name of Project	Proposed development of Building No. 4 on sub-devided plot 'A' on plot bearing C.T.S. No. 132A/1, 132A/2, 134C, 135B, 135C, 136 of village Akurli at Kandivali (E)
2.Type of institution	Private
3.Name of Project Proponent	M/s. Hedavkar Mechanical Works LLP
4.Name of Consultant	M/s. building environment (India) pvt. ltd.
5.Type of project	Residential cum commercial project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Earlier EC received vide letter No. 21-832/2007 - IA-III dated 5th February 2008
8.Location of the project	C. T. S. No. 132A/1, 132A/2, 134C, 135A, 135B, 135C, 136 of village Akurli at Kandivali (E).
9.Taluka	Andheri
10.Village	Akurli, Kandivali
Correspondence Name:	Mr. Suresh Mehta
Room Number:	101
Floor:	10th floor
Building Name:	Kalpataru Synergy
Road/Street Name:	Opp. Grand Hyatt
Locality:	Vakola, Santacruz
City:	Mumbai
11.Area of the project	Municipal Corporation of Greater Mumbai
12.IOD/IOA/Concession/Plan Approval Number	Concession Document
	IOD/IOA/Concession/Plan Approval Number: CHE/A-3834/BP (WS)/ AR
	Approved Built-up Area: 37674.93
13.Note on the initiated work (If applicable)	work completed as per approved built-up area mentioned above
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	27834.00 sq. mt.
16.Deductions	911.30 sq. mt.
17.Net Plot area	26922.70 sq. mt.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 50,333.18 sq. mt.
	b) Non FSI area (sq. m.): 3,929.55
	c) Total BUA area (sq. m.): 54262.70
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 46783.15 (This consists of about 9100 sq.m. for which Occupation is received prior to 07.07.2004)
	Approved Non FSI area (sq. m.): 0.00 (Earlier EC is prior to Notification S.O. 695 (E) dated 06.04.2011)
	Date of Approval: 05-02-2008
19.Total ground coverage (m2)	279.66
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	39.78 %
21.Estimated cost of the project	555300000.00

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Bldg. No. 4	1B + Gr./ shop + 19 upper floors with parking tower with ht. of 69.95 mt.	69.25

23.Number of tenants and shops	Shop - 1 No., Commercial Area - 3491.63 sq. mt.
24.Number of expected residents / users	Users expected - 378 Nos.
25.Tenant density per hectare	Not applicable for the proposed expansion.
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 mt. wide existing road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	6.0 mt.
29.Existing structure (s) if any	-
30.Details of the demolition with disposal (If applicable)	-

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	MCGM
	Fresh water (CMD):	9 KLD
	Recycled water - Flushing (CMD):	7 KLD
	Recycled water - Gardening (CMD):	1 KLD
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	17 KLD
	Fire fighting - Underground water tank(CMD):	150 KLD
	Fire fighting - Overhead water tank(CMD):	20 KLD
	Excess treated water	5 KLD
Wet season:	**Source of water**	MCGM
	Fresh water (CMD):	9 KLD
	Recycled water - Flushing (CMD):	7 KLD
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	16 KLD
	Fire fighting - Underground water tank(CMD):	150 KLD
	Fire fighting - Overhead water tank(CMD):	20 KLD
	Excess treated water	6 KLD
Details of Swimming pool (If any)	-	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	below 5.00m
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	1 No. of recharge pit
	Size of recharge pits :	1 No. of recharge pit
	Budgetary allocation (Capital cost) :	4.00 lakhs
	Budgetary allocation (O & M cost) :	0.05 lakhs
	Details of UGT tanks if any :	-
35.Storm water drainage	**Natural water drainage pattern:**	-
	Quantity of storm water:	Max. Discharge - 0.027 cu.m/sec
	Size of SWD:	Avg width : 450mm , Avg Depth : 400 mm
Sewage and Waste water	**Sewage generation in KLD:**	14 KLD
	STP technology:	Attached growth process
	Capacity of STP (CMD):	1 No. of 15 KLD
	Location & area of the STP:	Basement
	Budgetary allocation (Capital cost):	14.0 lakhs
	Budgetary allocation (O & M cost):	5.40 lakhs
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Excavation material partly reused on site for backfilling and leveling and remaining disposed by vendors
	Disposal of the construction waste debris:	Construction waste generated during construction activity recycled on site to the extent possible and partly disposed by vendors
Waste generation in the operation Phase:	**Dry waste:**	44 Kg/ day
	Wet waste:	29 Kg/ day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	1.0 Kg/ day
	Others if any:	-

Mode of Disposal of waste:	**Dry waste:**	To be handed over to vendors for recycling
	Wet waste:	Composting is proposed on site
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	to be used as manure
	Others if any:	-
Area requirement:	**Location(s):**	Ground Floor
	Area for the storage of waste & other material:	3.20 sq. mt. (including system and storage of waste)
	Area for machinery:	3.20 sq. mt. (including system and storage of waste)
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	0.50 Lakh
	O & M cost:	0.1 Lakhs

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	-
	No of trees to be cut :	9 No.
	Number of trees to be planted :	8 no. in the plot rest outside the plot
	List of proposed native trees :	-
	Timeline for completion of plantation :	At the end of construction phase

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

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

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

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

47.Energy

Power requirement:	**Source of power supply :**	Reliance
	During Construction Phase: (Demand Load)	150 kW
	DG set as Power back-up during construction phase	-
	During Operation phase (Connected load):	942 kW
	During Operation phase (Demand load):	483 kW
	Transformer:	Will be provided by supply agency if required
	DG set as Power back-up during operation phase:	320 KVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

- Energy efficient LED, T5 tube light which give more light output for the same watts consumed and therefore require less nos. of fixtures.
- Equipment efficiency standard power factor will be maintained between 0.95 and unity for major equipment like Lift, STP etc. This will reduce electrical power distribution losses in the installation.
- Timer based lighting for parking areas.
- Motion Sensor and timers in staircases.
- Use of VFD drives in lifts.
- Recommending the benefits of adopting BEE star rated electrical appliances to the customers to increase energy savings.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	As above	15 %

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	2..60 lakhs
	O & M cost:	0.10 lakhs

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Dust suppression	-	0.5
2	Air Environment	Noise and air quality checking by MoEF&CC approved laboratory	1.50
3	Land Environment	Site sanitation	0.18
4	Health & Hygiene	Disinfection	0.30
5	Health & Hygiene	Health Check-up	0.55

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	14.0	5.40
2	Water Environment	Rain water harvesting	4.0	0.05
3	Land Environment (SWM)	Treatment of bio-degradable waste	0.50	0.10
4	Envt. Monitoring	Monitoring of Air, water, waste, DG stack exhaust etc.	No set up cost involved	1.50
5	Energy Saving	Use of Solar PV	2.60	0.10

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:	27.45 mt. wide Akurli Road and 11.0 mt. wide internal road
Parking details:	**Number and area of basement:**	1 Basement of 356.80 sq. mt. (Proposed)
	Number and area of podia:	-
	Total Parking area:	2040.585 sq. mt.
	Area per car:	27.95 sq. mt.
	Area per car:	27.95 sq. mt.
	Number of 2-Wheelers as approved by competent authority:	-
	Number of 4-Wheelers as approved by competent authority:	73 Nos.
	Public Transport:	2 Nos.
	Width of all Internal roads (m):	4.50 mt. and 6.0 mt drive-way
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	2.93 KM.
	Category as per schedule of EIA Notification sheet	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

DECISION OF SEAC

PP was absent; hence the project is deferred.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

Agenda 82nd SEAC-II Meeting

SEAC Meeting number: 82nd SEAC-II Meeting **Meeting Date** December 11, 2018

Subject: Environment Clearance for Proposed Amendment & Expansion of Residential cum Commercial Project with SRA Scheme at plot bearing CTS No. 6422, 6422/1 to 31, 6423, 6423/1 to 6, 6424-A, 6424-B, 6424-B/1 to 4, 6424-C, 6424-C/1 to 3, 6426, 6426/1 to 17, 6427, 6427/1 to 16, 6429-A, 6429-A/1 to 11, 7370, 7374, 7375, 7376-A, 7376-A/1 to 16, 7377, 7379, 7379/1 to 3, 7381, 7381/1 to 16, 7382, 7382/1 to 3, 7394, 7394/1 to 6, 7396, 7396/1 to 6, 7400, 7400 (pt.), 7402, 7402/1 to 17, 7403-A, 7403A/1 to 47, ,7403B, 7403D , 7403D/1-20

Is a Violation Case: No

1.Name of Project	Residential cum Commercial project with SRA scheme.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Akhtar Hasan Rizvi; Rizvi Estates & Hotels Pvt. Ltd.
4.Name of Consultant	Dr. D. A. Patil; Mahabal Enviro Engg. Pvt. Ltd.
5.Type of project	SRA scheme
6.New project/expansion in existing project/modernization/diversification in existing project	Amendment & Expansion Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes. EC received vide letter No. SEAC-2011/CR.760/TC.2 dated 23.01.2012
8.Location of the project	At Plot bearing CTS No. 6422, 6422/1 to 31, 6423, 6423/1 to 6, 6424-A, 6424-B, 6424-B/1 to 4, 6424-C, 6424-C/1 to 3, 6426, 6426/1 to 17, 6427, 6427/1 to 16, 6429-A, 6429-A/1 to 11, 7370, 7374, 7375, 7376-A, 7376-A/1 to 16, 7377, 7379, 7379/1 to 3, 7381, 7381/1 to 16, 7382, 7382/1 to 3, 7394, 7394/1 to 6, 7396, 7396/1 to 6, 7400, 7400 (pt.), 7402, 7402/1 to 17, 7403-A, 7403A/1 to 47, ,7403B, 7403D , 7403D/1-20, 7408,7408/1 to 6, 7437,7437/1-53, 7438, 7438/1-7, 7440, 7440/1-14, 7441,7441/1-14, 7448, 7448/1-17, 7451, 7451/1 to 11, 7395, 7446A, 7446A/1-6, 7446B, 7447, 6425A, 6425A/1-9, 6425B, 6425B/1-6, 7449, 7449/1-4, 7450, 7450/1-12, 6421, 6421/1-20, 6428(pt.), 7364, 7383, 7383/1-3, 7384, 7401, 7401/1-16, 7403-A/48, 7404, 7405, 7406, 7407, 7409, 74/1-10, 7412, 7412/1-2, 7413, 7413/1-4, 7414, 7428, 7428/1-12, 7430, 7430/1-9, 7431A-2-10, 7431B, 7432, 7432/1-5, 7433, 7433/1-10, 7455, 7436, 7436/1-6, 7442(pt.), 7443, 7445, 7445/1-2, 7452, 7453, 7453/1-6, 7454, 7454/1-6, 7455, 7455/1-8, 7456, 7456/1-13, 7457, 7458, 7458/1-11, 7459 & 7459/1-29 of village Kolekalyan, Santacruz (E), Mumbai.
9.Taluka	Andheri
10.Village	Kolekalyan
Correspondence Name:	Mr. Shahbaz Khan
Room Number:	-
Floor:	1st Floor
Building Name:	Rizvi House
Road/Street Name:	Hill Road
Locality:	Bandra (W)
City:	Mumbai - 400050
11.Area of the project	Slum Rehabilitation Authority
12.IOD/IOA/Concession/Plan Approval Number	Rehab Bldg. A-1 IOD No. HE/PVT/0069/20070109/ AP 23.08.2017, Rehab Bldg. A-2 IOD No. SRA/ENG/3116/HE/PL/AP 24.08.2017, Rehab Bldg. A-3 IOD No. SRA/ENG/3023/ HE/PL/AP 04.09.2013, Rehab Bldg. A-4 IOD No. SRA/ENG/3104/ HE/PL/AP 29.05.2014, Rehab Bldg. A-5 IOD No. SRA/ENG/2777/ HE/PL/AP 20.07.2012, Rehab Bldg. A-6 IOD No. SRA/ENG/2929/ HE/PL/AP 08.11.2017, Rehab Bldg. A-7 IOD No. HE/PVT/0069/20070109/ AP 23.08.2017, Rehab Bldg. A-8 IOD No. HE/PVT/0069/20070109/ AP 23.08.2017, Rehab Bldg. A-9 IOD
	IOD/IOA/Concession/Plan Approval Number: REVISED LOI : SRA/ENG/1735/HE/PL/AP dated 05.08.2017.
	Approved Built-up Area: 84073.86
13.Note on the initiated work (If applicable)	As of today we have constructed 30306.44 m2 area
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	REVISED LOI : SRA/ENG/1735/HE/PL/AP dated 05.08.2017
15.Total Plot Area (sq. m.)	30008.23
16.Deductions	312.33
17.Net Plot area	27736.11

18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 57674.35 m2
	b) Non FSI area (sq. m.): 31612.66 m2
	c) Total BUA area (sq. m.): 89287.01
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 51672.35
	Approved Non FSI area (sq. m.): 29905.49
	Date of Approval: 05-08-2017
19.Total ground coverage (m2)	12795.32
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	43.36%
21.Estimated cost of the project	2201600000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Rehab Building A-1	G+8	26.40
2	Rehab Building A-2	G+8	26.40
3	Rehab Building A-3	G+7	24.00
4	Rehab Building A-4	G+7	23.80
5	Rehab Building A-5	G+7	23.50
6	Rehab Building A-6	G+7	23.50
7	Rehab Building A-7	G+7	23.50
8	Rehab Building A-8	G+8	26.40
9	Rehab Building A-9	G+7	23.50
10	Rehab Building A-10	G+8	26.40
11	Rehab Building A-11	G+8	26.40
12	Rehab Building A-12	G+8	26.40
13	Sale Building S-1	1B+ St + 1 Flr.(Part Podium)+2nd to 9 Upper Flr.	29.30
14	Sale Building S-2	Pit+ St + 1 Flr.(Part Podium)+2nd to 9 Upper Flr.	29.30

23.Number of tenants and shops	Sale: Flats: 203 Nos, Res/ Comm: 10 No., Rehab: Flats: 836 Nos, Res/ Comm: 12 No., Comm: 86 Nos. PAP: 485 Nos. Amenities: 44
24.Number of expected residents / users	8100 Nos.
25.Tenant density per hectare	500 h/a
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	The project site is directly accessible by 13.40 m wide DP Road, 12.00 m wide Proposed Road.
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	6 m

29.Existing structure (s) if any	Yes, Slums
30.Details of the demolition with disposal (If applicable)	Slums will be demolished phase wise

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	MCGM
	Fresh water (CMD):	704
	Recycled water - Flushing (CMD):	355
	Recycled water - Gardening (CMD):	12
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	1058
	Fire fighting - Underground water tank(CMD):	As per NBC norms
	Fire fighting - Overhead water tank(CMD):	As per NBC norms
	Excess treated water	611
Wet season:	**Source of water**	MCGM
	Fresh water (CMD):	704
	Recycled water - Flushing (CMD):	355
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	1058
	Fire fighting - Underground water tank(CMD):	As per NBC norms
	Fire fighting - Overhead water tank(CMD):	As per NBC norms
	Excess treated water	611
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:**	3-4 m
	Size and no of RWH tank(s) and Quantity:	6 Nos. of RWH tanks of total 150 m3 capacity for rehab buildings and 2 Nos. of RWH tanks of total 100 m3 capacity for sale building.
	Location of the RWH tank(s):	Below ground
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Rs. 58 Lacs
	Budgetary allocation (O & M cost) :	Rs. 3 Lacs/Year
	Details of UGT tanks if any :	UG Tanks will be provided as per NBC norms on ground.
35.Storm water drainage	**Natural water drainage pattern:**	-
	Quantity of storm water:	3181.67 m3/hr
	Size of SWD:	0.5 x 0.7 mm, 0.6 x 0.8 mm wide channels
Sewage and Waste water	**Sewage generation in KLD:**	945 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	Provision of Total 1000 KLD capacity
	Location & area of the STP:	On ground
	Budgetary allocation (Capital cost):	Rs. 200 Lacs
	Budgetary allocation (O & M cost):	Rs. 40 Lacs/year

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction Debris: : 2593 m3
	Disposal of the construction waste debris:	The construction debris waste is disposed as per Construction debris and demolition waste management Rules, 2016
Waste generation in the operation Phase:	**Dry waste:**	1505 kg/d
	Wet waste:	2258 kg/d
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	9 KLD
	Others if any:	Household E-Waste generation

Mode of Disposal of waste:	**Dry waste:**	Dry garbage will be segregated & disposed off to recyclers
	Wet waste:	Wet garbage will be composted using mechanical composting technology and used as organic manure for landscaping.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Sludge use as manure for gardening
	Others if any:	Household E-Waste generation
Area requirement:	**Location(s):**	On ground
	Area for the storage of waste & other material:	200 m2
	Area for machinery:	86 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 100 Lacs
	O & M cost:	Rs. 40 Lacs/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 :**	2444.43 m2
	No of trees to be cut :	01 Nos.
	Number of trees to be planted :	350 Nos.
	List of proposed native trees :	As mentioned below
	Timeline for completion of plantation :	Will be planted after completion of construction.

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Shirish	Albizia Lebbeck	30	Shady tree, yellowish green fragrant flowers
2	Sita Ashok	Saraca Asoka	40	Shady tree with red-yellow flowers.
3	Satwin	Alstonia Scholaris	40	Shady Tree, white fragrant flowers
4	Apta	Bauhinia Racemosa	35	Small tree with small white flowers, Butterfly host plant
5	Pangara	Erythrina Indica	40	Medium sized deciduous tree. Bright scarlet flowers.
6	Fish tail palm	Caryota Urens	50	Tall evergreen tree
7	Palas	Butea Monosperma	35	Medium sized deciduous tree. Beautiful orange flowers, Butterfly host plant
8	Bahava	Cassia Fistula	40	Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plant
9	Tamhan	Lagerstroemia Flos-Regineae	40	State flower tree of Maharashtra Medium sized tree, beautiful purple flowers
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	Reliance Energy
	During Construction Phase: (Demand Load)	250 kVA
	DG set as Power back-up during construction phase	250 kVA
	During Operation phase (Connected load):	7.9 MW
	During Operation phase (Demand load):	4.2 MW
	Transformer:	-
	DG set as Power back-up during operation phase:	Rehab: 450 kVA; Sale: 400 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	No

48.Energy saving by non-conventional method:

Solar Hot Water system for Residential Building
Solar lighting in landscape , common area passages

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	• Natural shading through elevation features to minimize heat gain and reduce air-conditioning requirement • Use of low-e glass to reduce power requirement • Solar lighting in common areas, garden and road • Solar hot water for residential buildings • Energy efficient lighting fixtures (LED lights) to all buildings	23.61%

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. 100 Lacs
	O & M cost:	Rs. 5 lacs/Year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water spray for dust suppression	-	5
2	Site sanitation and Potable Water Supply to Labour	-	10

3	Environmental Monitoring	-	5
4	Health check-up & first aid	-	5
5	Safety Personal Protective Equipment	-	12
6	Traffic Management (Sign Boards, Persons at entry exit and Parking area)	(Sign Boards, Persons at entry exit and Parking area)	4
7	Safety nets	-	25
8	Storm water Management (SWD along plot boundary and Sedimentation Pits)	(SWD along plot boundary and Sedimentation Pits)	4
9	Tyre cleaning and Vehicle maintenance	-	3
10	Safety Training to Workers (Twice in Year), Safety Officer Disinfection	(Twice in Year),	7

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	-	200	40
2	Solar System	-	100	5
3	RWH	-	58	3
4	Solid Waste Treatment Plant	-	100	40
5	Landscape	-	36	5
6	Environmental monitoring	-	-	4

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

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

52.Any Other Information

No Information Available

53.Traffic Management

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

Parking details:	**Number and area of basement:**	1 Basement for building No. S1 - Pit for Building No. S2- Total Basement+Pit Area: 4170.56 m2
	Number and area of podia:	1 Part Podium for building No. S1 1 Part Podiums for Building No. S2 Total Podium Area: 730.46 m2
	Total Parking area:	4901.02
	Area per car:	12.47
	Area per car:	12.47
	Number of 2-Wheelers as approved by competent authority:	-
	Number of 4-Wheelers as approved by competent authority:	393 Nos.
	Public Transport:	-
	Width of all Internal roads (m):	Min. 5.50 m.
	CRZ/ RRZ clearance obtain, if any:	No
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	No
	Category as per schedule of EIA Notification sheet	8 (a)
	Court cases pending if any	Yes; Suit no. M.A. 270/17 Green Tribunal, Pune.
	Other Relevant Informations	No
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Representative of PP Mr. Shabaz Khan & Architect Ms. Leena chauri were present during the meeting along with environmental consultant M/s Mahabal Enviro Engineers Pvt.Ltd.

Committee noted that, the representative of PP is secretary to MD, who informed that he is not in position to take decision on the project. Committee is of opinion that, PP should remain present for the meeting or authorised representative designated by Company resolution should remain present along with authority letter.

DECISION OF SEAC

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

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

Agenda 82nd SEAC-II Meeting

SEAC Meeting number: 82nd SEAC-II Meeting **Meeting Date** December 11, 2018

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

Is a Violation Case: No

1.Name of Project	Dosti Enterprises
2.Type of institution	Private
3.Name of Project Proponent	Mr. Sanjog Deshmukh
4.Name of Consultant	Dr. D. A. Patil, Mahabal Enviro Engineers Pvt. Ltd.
5.Type of project	Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	On plot bearing CTS Nos. 25/5 to 25/9, 25/10A, 25/10B, 40/17, 40/22, 41/13, 41/17, 42/1, 42/2, 42/3, 43/1, 43/2, 43/3(pt), 44/1, 44/2, 47/1(pt), 47/5(pt), 47/6(pt), 47/2/1(pt), 47/2/2(pt), 47/3/2(pt), 21, 22, at village:- Balkum Tal & Dist – Thane by Dosti Enterprises
9.Taluka	Thane
10.Village	Balkum
Correspondence Name:	Dosti Enterprises
Room Number:	276
Floor:	1st floor
Building Name:	Lawrence & Mayo House
Road/Street Name:	Dr. DN Road
Locality:	Fort,
City:	Fort, Mumbai - 400001
11.Area of the project	TMC
12.IOD/IOA/Concession/Plan Approval Number	In process
	IOD/IOA/Concession/Plan Approval Number: -
	Approved Built-up Area: 63543
13.Note on the initiated work (If applicable)	No work started
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	-
15.Total Plot Area (sq. m.)	21602.25 m2
16.Deductions	4257.25 m2
17.Net Plot area	17345.20 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 47172.34 m2
	b) Non FSI area (sq. m.): 58478 m2
	c) Total BUA area (sq. m.): 105650
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 25,930 m2
	Approved Non FSI area (sq. m.): 37,613 m2
	Date of Approval: 01-01-1900
19.Total ground coverage (m2)	Covered area: 9802 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	57%
21.Estimated cost of the project	28575

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Type A	B+G/S(pt)+ 1st to 2nd Podiums + 1st to 27th floors.	88.00
2	Type B	B +G/S(pt)+ 1st to 2nd Podiums + 1st to 27th floors.	88.00
3	Type C	B+ Stilt +1st to 2nd Podiums + 1st to 27th floors.	88.00
4	Type D	B+ Stilt +1st to 2nd Podiums + 1st to 27th floors.	88.00
5	Type E	B+S+1st to 2nd Podiums + 1st to 27th floors.	88.00
6	Type F	B +S + 1st to 2nd Podiums + 1st to 8th floors For MHADA and 9th to 27th Floor for Sale	88.00

23.Number of tenants and shops	No of sale tenants: 1116 Nos. MHADA: 70 Nos Total: 1186 Nos Commercial Area: 341.29 m2
24.Number of expected residents / users	5,964 Nos.
25.Tenant density per hectare	697/Ha
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	The project site is accessed by 18 m and 45 m Wide Road.
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Min 9 m
29.Existing structure (s) if any	No
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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

32.Total Water Requirement

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

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Ground water table at depth of 1.5 to 2 m
	Size and no of RWH tank(s) and Quantity:	6 RWH Tank with Capacity: 160 cu.m
	Location of the RWH tank(s):	Underground
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Rs. 37 Lakh
	Budgetary allocation (O & M cost) :	Rs. 1.8 Lakh/year
	Details of UGT tanks if any :	Underground
35.Storm water drainage	**Natural water drainage pattern:**	The slope of the plot is towards East side
	Quantity of storm water:	The storm water generation 1995.57 m3/hr
	Size of SWD:	550 and 700 mm wide internal SWD drains
Sewage and Waste water	**Sewage generation in KLD:**	749 KLD
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	STP of 800 KLD capacity
	Location & area of the STP:	Basement Area of STP: 580 m2
	Budgetary allocation (Capital cost):	Rs. 160 Lakh
	Budgetary allocation (O & M cost):	Rs.32 Lakh/year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction debris: 3068 m3
	Disposal of the construction waste debris:	The construction debris waste will be disposed as per Construction debris and demolition waste management Rule 2016
Waste generation in the operation Phase:	**Dry waste:**	1,783 kg/day
	Wet waste:	1,189 kg/day
	Hazardous waste:	Used oil from DG
	Biomedical waste (If applicable):	-
	STP Sludge (Dry sludge):	7 kg/day
	Others if any:	-

Mode of Disposal of waste:	**Dry waste:**	Dry garbage will be disposed off to recyclers
	Wet waste:	Wet garbage will be composted using Mechanical Composting Technology and used as organic manure for landscaping.
	Hazardous waste:	Handed over to authorized recyclers
	Biomedical waste (If applicable):	-
	STP Sludge (Dry sludge):	Sludge use as manure for gardening
	Others if any:	Household E-waste generation
Area requirement:	**Location(s):**	Underground
	Area for the storage of waste & other material:	120 m2
	Area for machinery:	65 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 80 Lakh
	O & M cost:	Rs.32 Lakh/yr

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

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

43.Green Belt Development	**Total RG area :**	RG required: 2601.78 m2 RG provided: 6125.33 m2 (RG on Ground: 2661.71 m2 & RG on Podium: 3463.62 m2)
	No of trees to be cut :	-
	Number of trees to be planted :	215 Nos.
	List of proposed native trees :	Given below
	Timeline for completion of plantation :	Within 2 years of completion of construction activity

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

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

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

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

47.Energy

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

48.Energy saving by non-conventional method:

Solar PV Hot water to Residential Buildings, Solar PV Panels on Roof Top of Commercial Area., Solar Street lighting in landscape , common area passages

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	• Use of Energy Efficient Pumps & Motors for firefighting, UG Tanks and STP • Solar PV Panels on Roof Top of Commercial Area • Energy efficient lighting fixtures (LED lights) to all buildings • Use of energy efficient lifts • Efficient wall systems like solid blocks with fly ash content • Use of low-e glass to reduce power requirement • Natural shading through elevation features to minimize heat gain and reduce air-conditioning requirement	21.85%

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 26 Lakh
	O & M cost:	Rs. 1.3 Lakh/year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water spray for dust suppression	-	4.0

2	Site sanitation Facility and its maintenance	-	6.0
3	Potable Water Supply to Labour	-	3.0
4	Solid waste management	-	1.5
5	Disinfection	-	1.5
6	Safety Personal Protective Equipment	(Helmets, Safety Shoes, Safety Belt, Googles, Hand Gloves etc.)	8.0
7	Traffic Management (Sign Boards, Persons, at entry exit and Parking area)	-	2.5
8	Safety nets	-	12.0
9	Safety Training to Workers (Twice in Year), Safety Officer	-	3.0
10	Environmental Monitoring	(As per the CPCB guidelines through MoEF&CC Approved laboratories – Ambient Air-RSPM, PM2.5, SO2, NOx, CO), Noise: Leq day time and Night Time)	4.0

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP (Tertiary)	-	160	32
2	Solar System	-	26	1.3
3	Rainwater harvesting	-	37	1.8
4	Solid Waste Composting plant	-	80	32
5	Landscape	-	54	5
6	Environmental Monitoring	-	-	4.0

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

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

52.Any Other Information

No Information Available

53.Traffic Management		
	Nos. of the junction to the main road & design of confluence:	-
Parking details:	**Number and area of basement:**	1 Basement with total 8622 m2
	Number and area of podia:	GR + 2 Podiums with total 17,279 m2 area
	Total Parking area:	23162.39 m2
	Area per car:	22 m2
	Area per car:	22 m2
	Number of 2-Wheelers as approved by competent authority:	2W parking Required: 1,203Nos. 2W Parking Provided: 1,203 Nos.
	Number of 4-Wheelers as approved by competent authority:	4W parking Required: 732 Nos. 4W Parking Provided: 1057 Nos.
	Public Transport:	-
	Width of all Internal roads (m):	18 m and 45 m Wide
	CRZ/ RRZ clearance obtain, if any:	CRZ Clearance Received
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park : 2.5 km approx
	Category as per schedule of EIA Notification sheet	8 (a)
	Court cases pending if any	Not Applicable
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

PP was absent in the meeting. A letter dated 11/12/2018 from project proponent received with request to withdraw the project and another letter dated 11/12/2018 from project proponent regarding absence for the meeting received. It is further noted that for the same survey numbers another project with Unique ID SEIAA 0000001610 registered.

PP to clarify in this regard and appropriate action will be done accordingly.

DECISION OF SEAC

In view of the above,the proposal is deferred and shall be considered afresh

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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