63 rd meeting of SEAC-2

SEAC Meeting number: 63 **Meeting Date** June 29, 2018

Subject: Environment Clearance for C.S.No.20/1,20/2,31/4,30/7(pt),30/8(pt) 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	Affordable 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) 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	Application has done in MBMC on 15 Jan 2018
	IOD/IOA/Concession/Plan Approval Number: Application is in process.
	Approved Built-up Area: 15850.83
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Application has done in MBMC on 15 Jan 2018
15.Total Plot Area (sq. m.)	14134.00 Sq.m
16.Deductions	2954.14 Sq.m
17.Net Plot area	11179.86 Sq.m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 15850.83
	b) Non FSI area (sq. m.): 33196.87
	c) Total BUA area (sq. m.): 49047.70
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)	7228.2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	51 %
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	One Building comprising 5 wings	Wing A1-A2, B1-B2, C1-C2, D1-D2, E1-E2 : 3 basement + St + 10 flr	32.1

23.Number of tenants and shops	Flat : 400 Shops: 35
24.Number of expected residents / users	2070
25.Tenant density per hectare	500
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 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	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):	181
	Recycled water - Flushing (CMD):	92
	Recycled water - Gardening (CMD):	17
	Swimming pool make up (Cum):	5
	Total Water Requirement (CMD) :	295
	Fire fighting - Underground water tank(CMD):	400000
	Fire fighting - Overhead water tank(CMD):	25000
	Excess treated water	104

Wet season:	**Source of water**	MBMC
	Fresh water (CMD):	181
	Recycled water - Flushing (CMD):	92
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	5
	Total Water Requirement (CMD) :	278
	Fire fighting - Underground water tank(CMD):	400000
	Fire fighting - Overhead water tank(CMD):	25000
	Excess treated water	121
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.	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Gardening	0	181	181	0	20%	36	0	237	237
Gardening	0	17	17	0	0	0	0	0	0
Fresh water requirement	0	5	5	0	0	0	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	4 mt
	Size and no of RWH tank(s) and Quantity:	250 Cu. mtr
	Location of the RWH tank(s):	underground
	Quantity of recharge pits:	8
	Size of recharge pits :	8 mtr X1.2 mtr
	Budgetary allocation (Capital cost) :	800000
	Budgetary allocation (O & M cost) :	24000
	Details of UGT tanks if any :	110 KLD per wing

35.Storm water drainage	**Natural water drainage pattern:**	From East to West
	Quantity of storm water:	500
	Size of SWD:	600 mm*600 mm
Sewage and Waste water	**Sewage generation in KLD:**	237
	STP technology:	MBBR
	Capacity of STP (CMD):	1 of STP with 250 KLD Capacity
	Location & area of the STP:	Underground
	Budgetary allocation (Capital cost):	50,00,000
	Budgetary allocation (O & M cost):	4,00,000

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Total waste generation: 918 kg/day
	Disposal of the construction waste debris:	Shall be used for land leveling.
Waste generation in the operation Phase:	**Dry waste:**	282 kg/day
	Wet waste:	635 Kg/day
	Hazardous waste:	Negligible
	Biomedical waste (If applicable):	N/A
	STP Sludge (Dry sludge):	32
	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):**	85 Sq.m
	Area for the storage of waste & other material:	40 Sq.m
	Area for machinery:	10 Sq.m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	1000000
	O & M cost:	300000

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 :**	2896.03
	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):	2415KW
	During Operation phase (Demand load):	3583 KW
	Transformer:	1Nos of 1250 KVA
	DG set as Power back-up during operation phase:	200 KVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Solar water heater system
PV System.
10%

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar water heater system PV System.	10 %

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:**	55 Lacs
	O & M cost:	5 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)	6
6	Environment Management	Environment Management Cell	1

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	50	4
2	OWC	Residential solid waste	10	3
3	Landscape	Development and maintenance	15	3
4	RWH	for residential plot	8	0.24
5	Solar Hot Water System	for residential plot	55	5
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
Parking details:	**Number and area of basement:**	3 basement with 21684.6 Sq.mt
	Number and area of podia:	N/A
	Total Parking area:	25298.7
	Area per car:	43
	Area per car:	43
	Number of 2-Wheelers as approved by competent authority:	-
	Number of 4-Wheelers as approved by competent authority:	-
	Public Transport:	NA
	Width of all Internal roads (m):	18 mtr
	CRZ/ RRZ clearance obtain, if any:	N/A
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	340 mtr
	Category as per schedule of EIA Notification sheet	8a B2
	Court cases pending if any	N/A
	Other Relevant Informations	Proposed is residential housing 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

Application for environment clearance Proposed residential project at 20/1,20/2,31/4, 30/7(pt), 30/8(pt) Village Ghodbandar, Miraroad East by **Abhishek Khetan.**

PP submitted their application for prior Environmental clearance for total plot area of 14134.00 Sq. Meters., Total BUA of 49047.70 Sq. Mtrs. and FSI area of 15850.83 Sq. Mtrs. It is proposed to construct Residential and Commercial buildings having maximum heights of 32.1 meters.

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

DECISION OF SEAC

During discussion committee noted that there is a discrepancy between the online submission and data presented during meeting hence committee ask PP to submit a revised consolidated statement considering Parking details, total ground coverage, FSI and non-FSI area, STP details , energy saving plan. also submit layout plan showing distance of proposed construction site from Eco Sensitive Zone.

After deliberation, committee decided to defer the proposal and consider a fresh.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

63 rd meeting of SEAC-2

SEAC Meeting number: 63 **Meeting Date** June 29, 2018

Subject: Environment Clearance for Application for the Amendment in Environment Clearance of Proposed Residential Scheme "Indiabulls Greens" by Lucina Land Development Ltd.

Is a Violation Case: No

1.Name of Project	Proposed Residential Scheme "Indiabulls Greens" by Lucina Land Development Ltd.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Purav Kiranbhai Acharya - Senior Manager - Lucina Land Development Ltd.
4.Name of Consultant	Mahabal Enviro Engineers Pvt. Ltd., F-7, Road No. 21, Wagle Estate, Thane (West)-400604, Maharashtra
5.Type of project	Rental Housing Scheme for MMRDA
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in the existing project- EC Amendment
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Environment Clearance obtained File No. SEAC 2010/CR./TC.2 dated 22.11.2010 subsequently Amended File No. SEIAA-2011/CR./TC.2 dated 09.08.2012
8.Location of the project	S. NO. 80A, 83/2A, 83/3, 83/7 + 4B + 5B, 85/0, 86/1, 90/1A, 90/1B, 90/3B, 90/4, 90/7, 90/8, 90/9, 90/10, 90/11 & 91/5
9.Taluka	Panvel
10.Village	Kon & Arivali
11.Area of the project	CIDCO, SPA-NAINA
12.IOD/IOA/Concession/Plan Approval Number	Commencement Certificate obtained from the District Collector Raigad, Alibaugh dated 16.02.2013
	IOD/IOA/Concession/Plan Approval Number: Commencement Certificate obtained from the District Collector Raigad, Alibaugh dated 16.02.2013
	Approved Built-up Area: 338877
13.Note on the initiated work (If applicable)	Work has been initiated as per the received Environment Clearance File No. SEAC 2010/CR./TC.2 dated 22.11.2010 subsequently Amended File No. SEIAA-2011/CR./TC.2 dated 09.08.2012
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	LOI obtained having file no. MMRDA/RHS-49/10/338 dated 11th August, 2010
15.Total Plot Area (sq. m.)	95,570 sq.mt.
16.Deductions	10,851 sq.mt
17.Net Plot area	84,719 sq.mt
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 3,38,877 sq.mt.
	b) Non FSI area (sq. m.): 2,60,844 sq.mt.
	c) Total BUA area (sq. m.): 599721
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)	382,28 sq.mt.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	40%
21.Estimated cost of the project	120000000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Sector 1- 1 Building	2 Basement + Ground + Podium + 31 floors	110.75

2	Sector 2 - 3 Buildings	2 Basement + Ground + Podium + 32 floors	100.80
3	Sector 3 - 3 Buildings	2 Basement + Ground + Podium + 32 floors	100.80
4	Sector 3 - 1 Building	2 Basement + Ground + Podium + 37 floors	115.30
5	Sector 4 - 7 Buildings	2 Basement + Ground + Podium + 37 floors	115.30
6	Sector 5 - 3 Buildings	2 Basement + Ground + Podium + 37 floors	115.30
7	Sector 6 - 2 Buildings	Ground + 7 floors	23.80
8	Sector 6 - 4 Buildings	Ground + 17 floors	52.80
9	Sector 6 - 4 Buildings	Ground + 18 floors	55.70
10	Sector 6 - 1 Building	Ground + 19 floors	58.60

23.Number of tenants and shops	Rental (Residential + shops) - 4,894 Sale (Residential + Amenities) - 3,156
24.Number of expected residents / users	39,950
25.Tenant density per hectare	836
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Main road: 12 m D.P.Road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m and 6 m wide
29.Existing structure (s) if any	Work has been initiated as per the received Environment Clearance File No. SEAC 2010/CR./TC.2 dated 22.11.2010 subsequently Amended File No. SEIAA-2011/CR./TC.2 dated 09.08.2012
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.I.D.C
	Fresh water (CMD):	3,596 m3/day
	Recycled water - Flushing (CMD):	1,798 m3/day
	Recycled water - Gardening (CMD):	120
	Swimming pool make up (Cum):	Not Applicable
	Total Water Requirement (CMD) :	5,513 m3/day
	Fire fighting - Underground water tank(CMD):	2,700
	Fire fighting - Overhead water tank(CMD):	Not Applicable
	Excess treated water	2,157 m3/day
Wet season:	**Source of water**	M.I.D.C
	Fresh water (CMD):	3,596 m3/day
	Recycled water - Flushing (CMD):	1,798 m3/day
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	Not Applicable
	Total Water Requirement (CMD) :	5,513 m3/day
	Fire fighting - Underground water tank(CMD):	2,700
	Fire fighting - Overhead water tank(CMD):	Not Applicable
	Excess treated water	2,157 m3/day
Details of Swimming pool (If any)	Size of the swimming pool: 35.00 m x 8.50 m Source of the water: Tanker water	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	4.0 m to 8.0 m
	Size and no of RWH tank(s) and Quantity:	Capacity 1,000 m3
	Location of the RWH tank(s):	Basement level
	Quantity of recharge pits:	15 nos. of Recharge Pits
	Size of recharge pits :	-
	Budgetary allocation (Capital cost) :	Rs.39.00 Lakh
	Budgetary allocation (O & M cost) :	Rs.1.95 Lakh/year
	Details of UGT tanks if any :	Sector 1 (Premium) - Domestic UGT having capacity 150 m3, Flushing UGT having capacity 38 m3, Fire UGT having capacity 300 m3 Sector 2 - Domestic UGT having capacity 308 m3, Flushing UGT having capacity 105 m3, Fire UGT having capacity 300 m3 Sector 3 - Domestic UGT having capacity 367 m3, Flushing UGT having capacity 138 m3, Fire UGT having capacity 300 m3 Sector 4 - Domestic UGT having capacity 970 m3, Flushing UGT having capacity 375m3, Fire UGT having capacity 600 m3 Sector 5 - Domestic UGT having capacity 550 m3, Flushing UGT having capacity 179 m3, Fire UGT having capacity 300 m3 Sector 6 - Domestic UGT having capacity 2,204 m3, Flushing UGT having capacity 1,088 m3, Fire UGT having capacity 900 m3 Total Capacities - Domestic UGT having capacity 4,549 m3, Flushing UGT having capacity 1,923 m3, Fire UGT having capacity 2,700 m3
35.Storm water drainage	**Natural water drainage pattern:**	Along the road side
	Quantity of storm water:	2.65 m3/sec
	Size of SWD:	Maximum 1,400 mm diameter
Sewage and Waste water	**Sewage generation in KLD:**	4,854 m3/day
	STP technology:	For Rental building: (RMBR) Rotating Media Bioreactor and for Sale building: FAB (Fluidized Aerobic Bio-reactor) and MBBR (Moving Bed Biofilm Reactor)
	Capacity of STP (CMD):	3 nos. of STP, 1 no. having capacity 2,900 m3/day, 1 no. having capacity 1,851 m3/day, 1 no. having capacity 103 m3/day. Total capacity of STP is 4,854 m3/day
	Location & area of the STP:	Below ground and basement having area 1,358 m2
	Budgetary allocation (Capital cost):	Rs.300.75 Lakh
	Budgetary allocation (O & M cost):	Rs.91.26 Lakh/year

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	4,84,418 m3
	Disposal of the construction waste debris:	Debris generated will be sent to the authorized debris disposal site as per "Construction and Demolition and De-Silting Waste (Management and Disposal) Rules 2006.
Waste generation in the operation Phase:	**Dry waste:**	11,985 kg/day
	Wet waste:	7,990 kg/day
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	485 kg/day
	Others if any:	Not Applicable
Mode of Disposal of waste:	**Dry waste:**	Dry garbage will be segregated & disposed of to recyclers.
	Wet waste:	Wet garbage will be treated by using Organic waste converter machine.
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Dry sludge can be used as manure for plantation & gardening purposes inside the premise.
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	On ground
	Area for the storage of waste & other material:	189.75 m2
	Area for machinery:	153.30 m2 (approximately 23.76 m2/machine)
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.50.35 Lakh
	O & M cost:	Rs.7.50 Lakh/year

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	28,111.65 m2
	No of trees to be cut :	33 nos.
	Number of trees to be planted :	1,112 nos.
	List of proposed native trees :	Provided
	Timeline for completion of plantation :	2-3 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	Peltophorum ferrugineum	Copper pod	-	Flower bearing tree
2	Veitchia merrillii palm	Christmas palm	-	Fruit bearing tree
3	Plumeria alba	White Chamfa	-	Flower bearing tree
4	Plumeria rubra	Red Chamfa	-	Flower bearing tree
5	Phoenix sylvestris	Date Palm	-	Fruit bearing tree
6	Spathodea campanulata	Fountain Tree	-	Flower bearing tree
7	Tabebuia rosea	Trumpet Tree	-	Flower bearing tree
8	Lagerstroemia indica	Taaman	-	Flower bearing tree
9	Wodyetia bifurcata	Foxtail Palm	-	Flower and fruit bearing tree
10	Michelia champaca	Champak	-	Flower bearing tree
11	Bauhinia blakeana	Kanchan	-	Flower bearing tree
12	Alstonia scholaris	Saptaparni	-	Allergic plant
13	Areca catechu	Betel Palm	-	Fruit bearing tree
14	Dillenia indica	Elephant Apple	-	Fruit bearing tree
45.Total quantity of plants on ground				

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

Serial Number	Name	C/C Distance	Area m2
1	Angelonia	-	-
2	Spider plant	-	-

3	Natal lily	-	-
4	Big lily	-	-
5	Sonn takka	-	-
6	Firebush	-	-
7	Golden tourch	-	-
8	Mogara	-	-
9	Lantana	-	-
10	Border grass	-	-
11	Ghaneri	-	-
12	Fountain grass	-	-
13	Fountain bush	-	-
14	Golden trumpet	-	-
15	Lily of Nile	-	-
16	Giant taro	-	-
17	Shellflower	-	-
18	Red beard	-	-
19	Yellow beard	-	-
20	Ghaneri	-	-
21	Lady palm	-	-
22	Hummingbird bush	-	-
23	Wild jasmine	-	-
24	Kaner	-	-
25	Boston fern	-	-
26	Spiral ginger	-	-
27	Vincent Red	-	-
28	Shoe flower	-	-
29	Mondo grass	-	-
30	Foxtail fern	-	-

47.Energy

Power requirement:	**Source of power supply :**	Maharashtra State Electric Distribution Company Ltd.(MSEDCL)
	During Construction Phase: (Demand Load)	950 kVA (Sanctioned 1,612 kW)
	DG set as Power back-up during construction phase	2 nos. of 630 kVA
	During Operation phase (Connected load):	29,800 kW
	During Operation phase (Demand load):	14,670 kW
	Transformer:	Not Applicable
	DG set as Power back-up during operation phase:	1 Nos. 1,250 kVA + 2 Nos. 750 kVA + 1 Nos. 630 kVA + 1 Nos. 500 kVA + 1 Nos. 400 kVA. Total capacity of DG Set is 4,280 kVA
	Fuel used:	As per the requirement
	Details of high tension line passing through the plot if any:	Not Applicable

48.Energy saving by non-conventional method:

• All lifts are proposed on VFD drives which results in 15% saving in consumption.
• Most of the common area lighting are proposed to work on high energy efficient lamps (CFL/T5) with low watt loss ballast, as specified in bureau of energy efficiency, which again results in saving in general consumption. The LPD is working less than 1W/ m2.
• Solar water heating shall be provided for residential flats for preheating geysers.
• Also, total lighting to be proposed on 30% stages operation with automatic switch on and timer based. Also, presence and photo sensors are proposed at critical junctions.
• All internal common area lighting system is proposed to have either high efficiency lamps (T5/T8) / CFL. These give us a LPD less than 10W/m2 but still achieving the required 200 LUX for ambient lighting.
• Solar panels for street lighting.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	• All lifts are proposed on VFD drives which results in 15% saving in consumption. • Most of the common area lighting are proposed to work on high energy efficient lamps (CFL/T5) with low watt loss ballast, as specified in bureau of energy efficiency, which again results in saving in general consumption. The LPD is working less than 1W/ m2. • Solar water heating shall be provided for residential flats for preheating geysers. • Also, total lighting to be proposed on 30% stages operation wi	>1%

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.815.00 Lakh
	O & M cost:	Rs.8.15 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	pH, Colour, odour, turbidity, Total hardness	3.0
2	Site Sanitation	Disinfection	2.0
3	Environmental Monitoring	Air, Water, Soil and Noise Monitoring	3.0
4	Disinfection	Disinfection	3.0
5	Health Check up	Monthly	15.0

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 Nos. of STP having total capacity 4,854 KLD	300.75	91.26
2	Solid Waste Management	Composting	50.35	7.50
3	Rain water Harvesting and Storm Water Management	Channelizing and maintenance of rain water harvesting	39.00	1.95
4	Landscape Development	RG Area	154.61	24.74
5	Fire Fighting	Fire Extinguisher	38.2	3.82
6	Energy Conservation	Solar	2.10	1.00
7	Environment Monitoring	Air, Water, Soil and Noise Monitoring	15	2.4

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:	1 No. of junction main road having width 12 m.

Parking details:	**Number and area of basement:**	2 Nos. of basement of total area 77,506 m2
	Number and area of podia:	2 No. of podia (parking and landscape) of total area 30,466 m2
	Total Parking area:	1,22,643 m2
	Area per car:	38.09 m2
	Area per car:	38.09 m2
	Number of 2-Wheelers as approved by competent authority:	725
	Number of 4-Wheelers as approved by competent authority:	2544
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	9 m and 6 m wide internal road
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	8(b) B1
	Court cases pending if any	Not Applicable
	Other Relevant Informations	We are applying for the amendment in the Environment Clearance. We have received Environment Clearance File No. SEAC 2010/CR./TC.2 dated 22.11.2010 and subsequently Amended File No. SEIAA-2011/CR./TC.2 dated 09.08.2012.
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for Proposed residential project at S. NO. 80A, 83/2A, 83/3, 83/7 + 4B + 5B, 85/0, 86/1, 90/1A, 90/1B, 90/3B, 90/4, 90/7, 90/8, 90/9, 90/10, 90/11 & 91/5 **by Lucina Land Development Pvt. Ltd.**

PP submitted their application for amendment in earlier Environmental clearance Environment Clearance obtained File No. SEAC 2010/CR./TC.2 dated 22.11.2010 subsequently Amended File No. SEIAA-2011/CR./TC.2 dated 09.08.2012 for total plot area of 95570 Sq Meters., Total BUA of 599721 Sq. Mtrs. and FSI area of 338877 Sq. Mtrs. It is proposed to construct Residential buildings having maximum heights of 115.30 meters.

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

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) PP to submit letter to MHADA regarding locking of area for social amenities.
2) PP to ensure corpus fund as buffer for common Environment Infrastructure for undisturbed period for 10 years from establishment of society.
3) PP to upload all six month compliance report

FINAL RECOMMENDATION

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

63 rd meeting of SEAC-2

SEAC Meeting number: 63 **Meeting Date** June 29, 2018

Subject: Environment Clearance for Proposed Integrated Industrial Area Development Project At village Usatane, Taluka - Ambernath, District - Thane, Maharashtra

Is a Violation Case: No

1.Name of Project	Proposed Integrated Industrial Area Development Project
2.Type of institution	Private
3.Name of Project Proponent	Atul Jangam; Lodha Developers Pvt. Ltd.
4.Name of Consultant	Dr. D. A. Patil; Mahabal Enviro Engg. Pvt. Ltd.
5.Type of project	Integrated Industrial Area Development 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 S. No. 58/1, 58/2, 59/1, 59/2, 75/-, 77/A, 77/B, 78/-, 79/-, 80/-, 81/-,82/1 ,82/2, 82/3, 83/1, 83/2, 83/3/1, 83/3/2, 83/4, 84/1/1, 84/1/2, 84/2, 85/-, 86/1, 86/2, 86/3, 86/4, 86/5, 86/6, 86/7, 87/1, 89/1, 89/2, 89/3, 89/5, 89/6, 90/-, 91/1, 92/A, 92/B, 93/1, 93/2A, 93/2B, 93/3, 93/4, 94/1, 94/2, 120/1, 120/2A, 120/2B, 120/2C, 120/3A, 120/3B, 120/4, 120/5, 120/7, 120/10B, 122/1 ,122/2, 122/3, 123/-, 124/1A, 124/1B, 124/2, 125/1, 125/2, 127/1, 127/2, 127/3, 127/5, 128/1A, 128/1B, 128/2, 128/3, 128/4, 128/5, 128/6, 129/1A, 130/-, 131/-, 133/1, 133/2, 133/3, 133/4, 133/5A, 133/5B, 133/6, 133/7A, 133/8A, 133/8B, 133/9A, 133/9B, 133/12, 133/13, 133/14, 134/1A, 134/1B, 134/4, 135/-, 136/4, 136/7, 136/8, 136/9, 136/10, 138/- at Village Usatane, Taluka – Ambernath, District- Thane
9.Taluka	Ambernath
10.Village	Usatane
Correspondence Name:	Atul Jangam; Lodha Developers Pvt. Ltd.
Room Number:	-
Floor:	-
Building Name:	Lodha Excelus, Apollo Mills Compound
Road/Street Name:	N.M Joshi Marg
Locality:	Mahalaxmi
City:	Mumbai 400 011
11.Area of the project	Maharashtra Industrial Development Corporation
12.IOD/IOA/Concession/Plan Approval Number	Application for Notified Industrial area has been submitted to MIDC on 14.02.2017
	IOD/IOA/Concession/Plan Approval Number: Application for Notified Industrial area has been submitted to MIDC on 14.02.2017
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	The plinth of school building. That is been discontinued
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Application for Notified Industrial area has been submitted to MIDC on 14.02.2017
15.Total Plot Area (sq. m.)	5,01,757 m2
16.Deductions	86,540.5 m2
17.Net Plot area	4,15,216.50 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 2,49,155.55 m2
	b) Non FSI area (sq. m.): 24,915.56 m2
	c) Total BUA area (sq. m.): 274071.10
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)	1,90,164.21m2

20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	38%
21.Estimated cost of the project	4570000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Industrial Sheds - 4 Buildings	2	18.0 m
2	Ware House Area - 18 Buildings	2	18.0 m
3	Admin Building	1	5.0 m
4	Other Area (Including Amenities, Utilities, Tank & Cabins)	1	3.6 m

23.Number of tenants and shops	The proposed development will have 4 industrial sheds, 18 ware house, amenities, data center, admin building, utilities, tanks & cabins.
24.Number of expected residents / users	10204 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 accessible by 30 m wide Taloja Bypass Road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	The plinth of school building. That is been discontinued
30.Details of the demolition with disposal (If applicable)	The demolition waste will be disposed at site only.

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	MIDC
	Fresh water (CMD):	306 KLD
	Recycled water - Flushing (CMD):	153 KLD
	Recycled water - Gardening (CMD):	241 KLD
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	459 KLD
	Fire fighting - Underground water tank(CMD):	As per NBC
	Fire fighting - Overhead water tank(CMD):	As per NBC
	Excess treated water	0 KLD
Wet season:	**Source of water**	MIDC
	Fresh water (CMD):	306 KLD
	Recycled water - Flushing (CMD):	153 KLD
	Recycled water - Gardening (CMD):	0 KLD
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	459 KLD
	Fire fighting - Underground water tank(CMD):	As per NBC
	Fire fighting - Overhead water tank(CMD):	As per NBC
	Excess treated water	241 KLD
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	7 to 9 m
	Size and no of RWH tank(s) and Quantity:	-
	Location of the RWH tank(s):	Ground
	Quantity of recharge pits:	319 Nos.
	Size of recharge pits :	3.0 x 3.0 x 4.0 m
	Budgetary allocation (Capital cost) :	Rs. 1116 Lacs
	Budgetary allocation (O & M cost) :	Rs. 35 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:**	Natural drainage of Project site us towards North and North west side
	Quantity of storm water:	10.56 m3/sec
	Size of SWD:	300 mm dia pipes to 1200 mm dia Pipes
Sewage and Waste water	**Sewage generation in KLD:**	398 KLD
	STP technology:	MBR
	Capacity of STP (CMD):	400 KLD
	Location & area of the STP:	Ground
	Budgetary allocation (Capital cost):	Rs. 100 Lacs
	Budgetary allocation (O & M cost):	Rs. 25 Lacs/year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction Debris: : 9130 m3
	Disposal of the construction waste debris:	The construction debris will be disposed as per the Construction and Demolition Waste Management Rules 2016.
Waste generation in the operation Phase:	**Dry waste:**	2061 Kg/day
	Wet waste:	3061 Kg/day
	Hazardous waste:	-
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	4 KLD
	Others if any:	NA

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:	The E-waste shall be handed over to e-waste management vendor authorized by MPCB.
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	2000 m2
	Area for machinery:	104 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 60 Lacs
	O & M cost:	Rs. 25 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 :**	52409.74 m2
	No of trees to be cut :	186 Nos.
	Number of trees to be planted :	6884 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	Gardenia Jasminoides	Ananta	40	A small evergreen shrub with white flowers
2	Acacia auriculiformis	Acacia	230	An evergreen tree
3	Polyalthia Longifolia	Ashoka	445	Shady tree
4	Azadiracta Indica	Neem	253	Semi-evergreen tree with medicinal value
5	Brebelia Retusa	Asan	119	-
6	Cocus Nucifera	Coconut	536	A fruit bearing tree
7	Terminilia Cuniata	Arjun	460	A evergreen avenue tree
8	Pongamia Pinnata	Karanj	358	Shady tree.
9	Erythrina Indica	Panagara	524	Medium sized deciduous tree. Bright scarlet flowers.
10	Mutingia Calabura	Cherry	319	An evergreen fruit bearing tree
11	Mangifera Indica	Mango	50	An evergreen fruit bearing tree
12	Manilkara Zapota	Chiku	204	A small evergreen fruit bearing tree
13	Plumeria Alba	Chapa	590	Medium sized evergreen tree, fragrant white flowers, Butterfly host plant
14	Nefium Indicun	Kanher	354	Medium sized evergreen tree, fragrant white flowers, Butterfly host plant
15	Anthocephallus Cadamba	Kadamba	503	Shady, large deciduous tree, fast-growing graceful tree, ball shaped flowers.
16	Aegle Marmelos	Bel	440	small to medium-sized tree with medicinal and spiritual value
17	Peltrophorum Ferrugineum	Copper pod tree	345	A deciduous tree with yellow flowers
18	Millingtonia Hortensis	Indian Cork tree	248	A evergreen tree with white flowers
19	Mimosups Elenglii	Bakul	265	Shady tree, small white fragrant flowers
20	Acacia Catechu	Khair	189	A large deciduous tree
21	Psidium Guajava	Guava	119	A evergreen fruit bearing tree

22	Bambusa Vulgaris	Golden bamboo verigated	293	-
23	Total	-	6884	-
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)	500 kVA
	DG set as Power back-up during construction phase	250 kVA
	During Operation phase (Connected load):	36 MVA
	During Operation phase (Demand load):	30.92 MVA
	Transformer:	-
	DG set as Power back-up during operation phase:	1 x 400 kVA, 1 x 62.5 kVA, 1 x 100 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 Panels on building/ Industrial Sheds and ware house
Solar Street lighting in landscape , common area passages

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	• Use of Energy Efficient Motors • Use of Solar LED Street Lighting • Solar PV Panels on Roof Top • Energy efficient lighting fixtures (LED lights) to all Industrial Sheds and ware house • Use of energy efficient pumps	44 %

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. 300 Lacs
	O & M cost:	Rs. 15 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	12
3	-	Environmental Monitoring	4
4	-	Health check-up & first aid	6
5	-	Safety Personal Protective Equipment	12
6	-	Traffic Management (Sign Boards, Persons at entry exit and Parking area)	6
7	-	Storm water Management (SWD along plot boundary and Sedimentation Pits)	8
8	-	Tyre cleaning and Vehicle maintenance	6
9	-	Safety Training to Workers (Twice in Year), Safety Officer	8
10	-	Disinfection	3
11	-	Total Cost	70

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)	-	100	25
2	Solar System	-	300	15
3	Rainwater harvesting	-	1116	35
4	Solid Waste Composting plant	-	60	25
5	Landscape	-	525	75
6	Environmental Monitoring	-	-	4
7	Total	-	2101	179

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:**	-
	Number and area of podia:	-
	Total Parking area:	Project parking area: 37,715 m2
	Area per car:	25.2 m2
	Area per car:	25.2 m2
	Number of 2-Wheelers as approved by competent authority:	1246 Nos of Scooter, 1246 Nos of cycle
	Number of 4-Wheelers as approved by competent authority:	898 Nos LMV, 178 Nos. of trucks, 14 nos of Trailer Truck
	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	NA
	Category as per schedule of EIA Notification sheet	8 (b)
	Court cases pending if any	No
	Other Relevant Informations	We had applied to MoEF&CC on 26.10.2017. The ToR was granted by EAC (Infra), MoEF&CC in its 26th meeting held on 15.12.2017. Item No. 26.4.5

	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	26-10-2017

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for Proposed Integrated Industrial Area Development Project On Plot bearing S. No. 58/1, 58/2, 59/1, 59/2, 75/-, 77/A, 77/B, 78/-, 79/-, 80/-, 81/-,82/1 ,82/2, 82/3, 83/1, 83/2, 83/3/1, 83/3/2, 83/4, 84/1/1, 84/1/2, 84/2, 85/-, 86/1, 86/2, 86/3, 86/4, 86/5, 86/6, 86/7, 87/1, 89/1, 89/2, 89/3, 89/5, 89/6, 90/-, 91/1, 92/A, 92/B, 93/1, 93/2A, 93/2B, 93/3, 93/4, 94/1, 94/2, 120/1, 120/2A, 120/2B, 120/2C, 120/3A, 120/3B, 120/4, 120/5, 120/7, 120/10B, 122/1 ,122/2, 122/3, 123/-, 124/1A, 124/1B, 124/2, 125/1, 125/2, 127/1, 127/2, 127/3, 127/5, 128/1A, 128/1B, 128/2, 128/3, 128/4, 128/5, 128/6, 129/1A, 130/-, 131/-, 133/1, 133/2, 133/3, 133/4, 133/5A, 133/5B, 133/6, 133/7A, 133/8A, 133/8B, 133/9A, 133/9B, 133/12, 133/13, 133/14, 134/1A, 134/1B, 134/4, 135/-, 136/4, 136/7, 136/8, 136/9, 136/10, 138/- at Village Usatane, Taluka – Ambernath, by **Lodha Developers Pvt. Ltd.**

PP submitted their application for prior Environment Clearance for their Proposed Integrated Industrial Area Development Project on total plot area of 501757 Sq. Meters., Total BUA of 274071.01 Sq. Mtrs. and FSI area 249155.55 Sq. Mtrs. It is proposed to construct 4 industrial sheds, 18 ware house areas and administrative building and other areas having maximum heights of 18.00 mtrs.

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

DECISION OF SEAC

After deliberation, committee decided to defer the proposal

Specific Conditions by SEAC:

1) PP to submit MIDC approval considering land use.
2) PP to submit details /NOC for change in name.
3) PP to submit clarification regarding buffer zone of Matheran Ecosensitive zone area.

FINAL RECOMMENDATION

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

63 rd meeting of SEAC-2

SEAC Meeting number: 63 **Meeting Date** June 29, 2018

Subject: Environment Clearance for Proposed residential building on Plot 75 & 76 Sector 15. Belapur. Navi Mumbai by M/s. Mayuresh Real Estate and Management Pvt. Ltd

Is a Violation Case: No

1.Name of Project	Proposed Residential cum Commercial
2.Type of institution	Private
3.Name of Project Proponent	Ms. Sugandha Agarwal
4.Name of Consultant	Mr. H.K. Desai.
5.Type of project	Residential cum Commercial Project.
6.New project/expansion in existing project/modernization/diversification in existing project	Not applicable
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Plot 75 & 76 Sector 15. Belapur. Navi Mumbai
9.Taluka	THANE
10.Village	BELAPUR
Correspondence Name:	Ms. Sugandha Agarwal
Room Number:	M/s. Mayuresh Real Estate and Management Pvt. Ltd
Floor:	SECOND FLOOR,
Building Name:	ABHAY HOUSE
Road/Street Name:	428, KALBADEVI ROAD
Locality:	MUMBAI
City:	MUMBAI
11.Area of the project	Navi Mumbai Municipal Corporation.(NMMC)
12.IOD/IOA/Concession/Plan Approval Number	--
	IOD/IOA/Concession/Plan Approval Number: --
	Approved Built-up Area: 8953.650
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Agreement to lease between CDICO Maharashtra and M/s mayuresh real estate and management private limited dated 14-07- 2017
15.Total Plot Area (sq. m.)	5969.1Sq.m
16.Deductions	NIL
17.Net Plot area	NA
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 10,720.823(MAIN-8952.53 SQM+LIG-1768.28SQM)
	b) Non FSI area (sq. m.): 17,228.409
	c) Total BUA area (sq. m.): 27950
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)	3438.229 SQM
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	66 %
21.Estimated cost of the project	715525691.2

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	LIG(WINGS A,B,C)	St + 4 floors	14.95
2	Sale (WINGS A,B,C)	B + St + 2 P + 3rd + 14 Upper floors	44.95

23.Number of tenants and shops	TENANTS: 170 , Shops : 25
24.Number of expected residents / users	975
25.Tenant density per hectare	284.8 /hector
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	30m wide DP road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 MT
29.Existing structure (s) if any	NA
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	NMMC
	Fresh water (CMD):	80
	Recycled water - Flushing (CMD):	45
	Recycled water - Gardening (CMD):	5
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	130
	Fire fighting - Underground water tank(CMD):	75
	Fire fighting - Overhead water tank(CMD):	75
	Excess treated water	85
Wet season:	**Source of water**	NMMC
	Fresh water (CMD):	80
	Recycled water - Flushing (CMD):	45
	Recycled water - Gardening (CMD):	--
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	130
	Fire fighting - Underground water tank(CMD):	75
	Fire fighting - Overhead water tank(CMD):	75
	Excess treated water	90
Details of Swimming pool (If any)	yes	

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 Tank1 (sale)-Size: 81cum , RWH Tank2 (LIG)-Size: 27 cum
	Location of the RWH tank(s):	Under Ground
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Rs. 13Lakh
	Budgetary allocation (O & M cost) :	Rs. 1.5 Lakh/Year
	Details of UGT tanks if any :	Domestic Water Tank 80 cum Flushing water Tank 45 cum Fire Water Tank 75 cum Rain Water Harvesting Tank 108 cum
35.Storm water drainage	**Natural water drainage pattern:**	TOWARDS WEST SIDE OF THE PLOT
	Quantity of storm water:	0.0132 m3/sec
	Size of SWD:	450 mm wide and 300mm width
Sewage and Waste water	**Sewage generation in KLD:**	105 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	110 KLD
	Location & area of the STP:	BASEMENT
	Budgetary allocation (Capital cost):	Rs40 lakhs
	Budgetary allocation (O & M cost):	Rs. 8 lakhs / Year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Excavated material: 14,456.32 cum.
	Disposal of the construction waste debris:	sand Sand from excavating operations will be used for land leveling and landscaping Scrap metal To be sold for recycling Empty cement bags(50kg capacity) To be sold to vendors. Broken Tiles To be used water proofing for terraces. Glass To be sold for recycling Empty Paint cans (20 lit) To be sold to vendors.
Waste generation in the operation Phase:	**Dry waste:**	186 kg/day
	Wet waste:	293 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	1 kg/day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Will be handed over to Local Recyclers
	Wet waste:	Processed in OWC. Manure obtained shall be used for landscaping / Gardening, Excess manure shall be sold to nearby end users.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	WILL BE GIVEN TO AUTHORISED PERSON
	Others if any:	NA
Area requirement:	**Location(s):**	GROUND
	Area for the storage of waste & other material:	51sq m
	Area for machinery:	1O SQ M
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.10 Lakhs
	O & M cost:	Rs 2 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 :**	904.11 sq.m
	No of trees to be cut :	NA
	Number of trees to be planted :	60
	List of proposed native trees :	60
	Timeline for completion of plantation :	7

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	Alpiniaspeciosa	--	--
2	Adeniumobesum	--	--
3	Thevetianerifolia	--	--
4	Bougainville a glabra	--	--
5	Euphorbia milli red	--	--

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	100 KW
	DG set as Power back-up during construction phase	DG SET WILL BE PROVIDED
	During Operation phase (Connected load):	974.2 kVA
	During Operation phase (Demand load):	584.5 kVA
	Transformer:	--
	DG set as Power back-up during operation phase:	1 X 250 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

SOLAR PANELS SHALL BE PROVIDED

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	--	--

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.30 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	AIR POLLUTION	WATER FOR DUST SUPPRESSION	3
2	HEALTH SAFETY	SITE SANITATION	5
3	ENVIRONMENTAL MONITORING	ENVIRONMENTAL MONITORING	10
4	HEALTY SAFETY	DISINFECTION	5
5	GOOD HEALTH PRACTICES	HEALTH CHECK UP	5

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	WATER CONSERVATION	RWH	13	1.5
2	SOLID WASTE	OWC	10	2
3	WASTE WATER MANAGEMENT	STP	40	8
4	SOLAR SAVING	Energy	30	5
5	GREEN BELT	Landscaping	20	5

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

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

52.Any Other Information

No Information Available

53.Traffic Management		
	Nos. of the junction to the main road & design of confluence:	Access from both 30 mt wide DP roads abutting west side and south side of the plot
Parking details:	**Number and area of basement:**	one no of area 4015.64 Sq.m
	Number and area of podia:	2 no's of area 4183.33 sqm
	Total Parking area:	10356.70
	Area per car:	33 sqmt
	Area per car:	33 sqmt
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	313
	Public Transport:	NA
	Width of all Internal roads (m):	6M
	CRZ/ RRZ clearance obtain, if any:	APPLIED
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	B
	Court cases pending if any	NA
	Other Relevant Informations	An order was passed by the Bombay High Court dated 20.10.2016 in respect of case no-WP/3632/2016 in favour of M/s. Mayuresh Real Estate And Management Pvt,. Ltd. The order passed is as below: 1. MCZMA to process and grant CRZ clearance within 6 months from the date of Application to MCZMA. 2. CIDCO to provide construction period without any additional costs for a period of 37 months from the date of communication of CRZ clearance by MCZMA.
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for Proposed Residential cum Commercial project at Plot 75 & 76 Sector 15. Belapur. Navi Mumbai by **Ms. Sugandha Agarwal.**

DECISION OF SEAC

PP remains absent, hence committee decided to defer the proposal.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

63 rd meeting of SEAC-2

SEAC Meeting number: 63 **Meeting Date** June 29, 2018

Subject: Environment Clearance for Residential Development, at Panchpakhadi, Thane (West)

Is a Violation Case: No

1.Name of Project	Residential Development, at Panchpakhadi, Thane (West)
2.Type of institution	Private
3.Name of Project Proponent	Rajshila Construction Pvt. Ltd.
4.Name of Consultant	Ultra-Tech
5.Type of project	Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	New
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No
8.Location of the project	FP Nos. 410 & 412 Panchpakhadi, Almeida Road, Thane (West)
9.Taluka	Thane
10.Village	Thane
Correspondence Name:	Mr. Nirmal Kedia (Authorized Signatory)
Room Number:	--
Floor:	3rd Floor
Building Name:	Prestige Precinct
Road/Street Name:	Almeida Road
Locality:	Panchpakhadi
City:	Thane (West)
11.Area of the project	Thane Municipal Corporation (T.M.C.)
12.IOD/IOA/Concession/Plan Approval Number	For proposed C1 and C2 building: Proposal V.P.no.S2T/0035/17- Inward Date-4/12/2017, For proposed R3, R4 & R5: Received Approval (V.P. no. 93/062; TMC/TDD 2357) Date 10/09/2004
	IOD/IOA/Concession/Plan Approval Number: For proposed C1 and C2 building: Proposal V.P.no.S2T/0035/17- Inward Date-4/12/2017; For proposed R3, R4 & R5: Received Approval (V.P. no. 93/062; TMC/TDD 2357) Date 10/09/2004
	Approved Built-up Area: 43161.27
13.Note on the initiated work (If applicable)	Existing buildings (Total 6 nos : B, B1, B2, A1, R2, D1, Club House and Raised RG): For these residential buildings plinth CC were obtained prior to the year 2004 hence are not under purview of EIA Notification. Total Constructed Built-Up Area on site till date for buildings under purview of EIA Notification: 12,473.15 Sq. mt. as per approval received from TMC. Detailed note is given in Form 1 A.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	21,210.14 Sq. mt.
16.Deductions	1,591.38 Sq. mt.
17.Net Plot area	19,618.76 Sq. mt.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 34116.78 Sq. mt. (out of which 9713.66 Sq. mt. is already constructed on site)
	b) Non FSI area (sq. m.): 40593.75 Sq.mt. (Out of which 2759.49 Sq. mt. is already constructed on site)
	c) Total BUA area (sq. m.): 74710.53
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)	7018.20 Sq. mt.

20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	--
21.Estimated cost of the project	3416700000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Existing buildings constructed after EIA Notification amended in 2004 (i.e. plinth CC after 07.07.2004 up to 14.09.2006)	--	--
2	Building A2	Ground + Stilt + 12 (pt) floor	39.00 mt. (up to terrace level)
3	Bungalow R1	Ground + 1 Upper Floor	10.50 mt. (up to terrace level)
4	Building D2	Stilt + 13 Upper Floors	42.00 mt. (up to terrace level)
5	Building E	Ground + 3 Upper Floors	15.00 mt. (up to terrace level)
6	Proposed Buildings	--	--
7	Bungalow- R3	Ground +1 Upper Floor + 2nd (pt) floor	10.50 mt. (up to terrace level)
8	Bungalow- R4	Ground +1 Upper Floor + 2nd (pt) floor	10.50 mt. (up to terrace level)
9	Bungalow- R5	Ground +1 Upper Floor + 2nd (pt) floor	10.50 mt. (up to terrace level)
10	C1	Basement + Stilt + 2 Podia + Upper Stilt + 34 Upper Floors	120.55 mt. (up to terrace level)
11	C2	Basement + Stilt + 2 Podia + Upper Stilt + 34 Upper Floors	120.55 mt. (up to terrace level)
12	Fitness Centre	--	--

23.Number of tenants and shops	Existing buildings constructed after EIA Notification amended in 2004 (i.e. plinth CC after 07.07.2004 up to 14.09.2006): Building A2: Flats - 46 nos. and Shop - 6 nos. Bungalow- R1: Flats - 2 nos. Building D2: Flats - 52 nos. Building E: Shops- 10 nos. and Offices- 18 nos. Proposed Buildings: Bungalow- R3: Flat: 1 no. Bungalow- R4: Flat: 1 no. Bungalow- R5: Flat: 1 no. C1: Flats: 118 nos. C2: Flats: 118 nos.
24.Number of expected residents / users	2194 nos. (out of which 823 nos. are already residing on site)
25.Tenant density per hectare	250/Ha (Considering all the buildings of the plot)
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	12.00 mt. and 25.00 mt. wide road

28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	12 mt.
29.Existing structure (s) if any	Details as mentioned in point no. 13. In the proposed portion there is an existing unit for manufacturing of Alloy Steel Castings which will be demolished.
30.Details of the demolition with disposal (If applicable)	Currently factory is housed in a steel structure which will be handed over to recyclers.

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	T.M.C.
	Fresh water (CMD):	204 KLD; For Domestic: From T.M.C. = 123 KLD (R3, R4, R5, C1 and C2 only) + For Domestic & Flushing: From T.M.C. = 81 KLD (A2, R1, D2 and E)
	Recycled water - Flushing (CMD):	62 KLD (R3, R4, R5, C1 and C2 only)
	Recycled water - Gardening (CMD):	13 KLD
	Swimming pool make up (Cum):	2 KLD
	Total Water Requirement (CMD) :	281 KLD
	Fire fighting - Underground water tank(CMD):	For C1 and C2 : UG tank 400 KL
	Fire fighting - Overhead water tank(CMD):	For C1 and C2 : OH tank 29 KL
	Excess treated water	125 KLD

Wet season:	**Source of water**	T.M.C.
	Fresh water (CMD):	204 KLD; For Domestic: 123 KLD (From T.M.C. = 114 KLD + From RWH tanks = 9 KLD) + For Domestic & Flushing: From T.M.C. = 81 KLD (Building A2, R1, D2 and E)
	Recycled water - Flushing (CMD):	62 KLD (R3, R4, R5, C1 and C2 only)
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	2 KLD
	Total Water Requirement (CMD) :	268 KLD
	Fire fighting - Underground water tank(CMD):	For C1 and C2 : UG tank 400 KL
	Fire fighting - Overhead water tank(CMD):	For C1 and C2 : OH tank 29 KL
	Excess treated water	138 KLD
Details of Swimming pool (If any)	Volume of swimming pool = 146 Cum	

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:**	3.80 – 4.15 mt. ground level
	Size and no of RWH tank(s) and Quantity:	2 nos. of RWH Tanks of capacity 11 KL and 50 KL
	Location of the RWH tank(s):	Underground
	Quantity of recharge pits:	Nil
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Rs. 12.10 Lacs
	Budgetary allocation (O & M cost) :	Rs. 0.42 Lacs/annum
	Details of UGT tanks if any :	Location : Underground and Basement

35.Storm water drainage	**Natural water drainage pattern:**	The storm water collected through the storm water drains of adequate capacity will be discharged into the external SWD
	Quantity of storm water:	0.43 m3/sec
	Size of SWD:	600mm dia and 1400mm depth with slope 1: 350
Sewage and Waste water	**Sewage generation in KLD:**	A2, R1, D2 & E: 71 KLD (Disposal to sewer line) ; R3, R4 & R5 : 2 KLD And C1 and C2: 159 KLD
	STP technology:	MBBR (Moving Bed Bio Reactor)
	Capacity of STP (CMD):	R3, R4 & R5 : 10 KL and C1 & C2: 175 KL
	Location & area of the STP:	R3, R4 & R5 : Underground and C1 & C2: Basement
	Budgetary allocation (Capital cost):	Rs. 90.55 Lacs
	Budgetary allocation (O & M cost):	Rs. 7.94 Lacs/annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Excavation material shall be partially reused on site & remaining shall be disposed at suitable location suggested by T.M.C.
	Disposal of the construction waste debris:	Construction waste which shall be generated during construction activity shall be partly recycled and remaining shall be disposed to authorized landfill site with permission of T.M.C.
Waste generation in the operation Phase:	**Dry waste:**	524 kg/day
	Wet waste:	350 kg/day
	Hazardous waste:	Nil
	Biomedical waste (If applicable):	Nil
	STP Sludge (Dry sludge):	24 kg/day
	Others if any:	--
Mode of Disposal of waste:	**Dry waste:**	To recyclers
	Wet waste:	Organic Waste Converter (OWC) (For R3, R4, R5, C1 and C2 only)
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Use as manure
	Others if any:	NA
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	58 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	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 the ground (sq. m.): 3194.57 And RG on the Upper stilt level (sq. m.): 1789.61
	No of trees to be cut :	Nil
	Number of trees to be planted :	63 nos. of new tree plantation (On ground & E-Deck level)
	List of proposed native trees :	Same as given below in
	Timeline for completion of plantation :	Before occupancy

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

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

1	Terminalia catappa	Badam	6 - on ground	It's large tropical tree in the leadwood tree. The seed within the fruit is edible when fully ripe As the tree gets older, its crown becomes more flattened to form a spreading, vase shape
2	Alstonia scholaris	Saptaparni	8- on ground	Evergreen Shady Tree with fragrant flowers, Medicinal properties, white fragrant flowers.
3	Mangifera indica	Mango	3- on ground	The Mango tree is erect, 30 to 100 ft (roughly 10-30 m) high, with a broad, rounded canopy which may, with age, attain 100 to 125 ft (30-38 m) in width, or a more upright, oval, relatively slender crown
4	Cocos nucifera	Coconut	5- on ground	Fruit is used in different ways in all Indian & International recipes while cooking. Its Fiber is used for coir production.
5	Lagerstroemia flos-regineae	Tamhan	5- on ground & 13- on E-deck level	State flower tree of Maharashtra Medium sized tree, beautiful purple flowers, it has medicinal properties, wood is commercially used
6	Bauhinia variegata	Kanchan	5- on ground & 5- on E-deck level	It is a small to medium-sized tree growing to 10–12 metres (33–39 ft) tall, deciduous in the dry season.
7	Peltophorum pterocarpum	Yellow-flamboyant	4- on ground	It is planted as ornamental plant. The wood can also be used for fuel.
8	Azadiracta indica	Neem	3- on ground	Large tree, fast-growing evergreen tree, drought resistance, Medicinal properties, good for roadside plantation
9	Michelia champaca	Chapha	6- on E-deck level	It is a large evergreen tree. It is best known for its strongly fragrant yellow or white flowers.
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	Maharashtra State Electricity Distribution Co. Ltd. (MSEDCL)
	During Construction Phase: (Demand Load)	100 KW
	DG set as Power back-up during construction phase	As per requirement
	During Operation phase (Connected load):	A2, R1, D2, E : At actual as per MSEDCL permission / Norms; R3, R4 & R5: 50 KW and C1 & C2: 5939 KW
	During Operation phase (Demand load):	A2, R1, D2, E : At actual as per MSEDCL permission / Norms; R3, R4 & R5: 38 KW and C1 & C2: 2244 KW
	Transformer:	--
	DG set as Power back-up during operation phase:	2 nos. of DG set of capacity 630 kVA & 750 kVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

- All internal (Apartments) area lighting are proposed to work on high energy efficient lamps (CFL/T5)
- Use of start rated appliances
- Solar PV panels for common area lighting and water heating

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total Energy Saving	20 %
2	Energy Saving due to Solar System	1 % of Demand load

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 44.28 Lacs (Solar system)
	O & M cost:	Rs. 0.44 Lacs/annum (Solar system)

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	7.20
2	Air Environment	Air & Noise Quality Monitoring - On site sensors	12.50
3	Air Environment	Air & Noise Quality Monitoring - By outside MoEF & CC Approved Laboratory	1.10

4	Water Environment	Drinking water analysis	0.15
5	Land Environment	Site Sanitation	5.00
6	Health & Hygiene	Disinfection- Pest Control	6.00
7	Health & Hygiene	Health Check Up of workers	13.50
8	Cost towards Disaster management	--	171.50

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	AIR & NOISE ENVIRONMENT	Cost for Ambient Air quality & Noise Monitoring- By outside MoEF & CC Approved Laboratory	No set up cost is involved	0.22
2	AIR & NOISE ENVIRONMENT	Cost for Ambient Air quality & Noise Monitoring - On site sensors	No set up cost is involved as already considered Construction Phase	0.50
3	AIR & NOISE ENVIRONMENT	Cost for DG Stack Exhaust Monitoring	No set up cost is involved	0.10
4	AIR & NOISE ENVIRONMENT	Cost for Plantation	10.44	1.20
5	WATER ENVIRONMENT	Cost for Sewage Treatment Plants	54.55	5.89
6	WATER ENVIRONMENT	Cost for water & waste water Monitoring - On site sensors	36.00	2.00
7	WATER ENVIRONMENT	Cost for water & waste water Monitoring - By outside MoEF & CC Approved Laboratory	No set up cost is involved	0.05
8	WATER ENVIRONMENT	Cost for Water Conservation (Rain Water Harvesting System)- Cost for RWH tanks	6.10	0.31
9	WATER ENVIRONMENT	Cost for Water Conservation (Rain Water Harvesting System) - Cost for treatment unit for Rain Water collected in tanks	6.00	0.02
10	WATER ENVIRONMENT	Cost for Water Conservation (Rain Water Harvesting System) - Cost for Rainwater Monitoring	No set up cost is involved	0.09
11	LAND ENVIRONMENT	Cost for Treatment of biodegradable garbage in OWC	9.00	1.54

12	LAND ENVIRONMENT	Cost for Solid Waste Management- Cost for monitoring of OWC manure	No set up cost is involved	0.08
13	ENERGY CONSERVATION	Solar system	44.28	0.44
14	DISASTER MANAGEMENT	Cost towards Disaster Management	533.47	77.00

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	One entry and exit
Parking details:	**Number and area of basement:**	1 Basement for C1 and C2
	Number and area of podia:	2 Podia for C1 and C2
	Total Parking area:	13467.67 Sq. mt.
	Area per car:	As per NBC
	Area per car:	As per NBC
	Number of 2-Wheelers as approved by competent authority:	377 Nos.
	Number of 4-Wheelers as approved by competent authority:	A2, R1, D2 & E: 55 nos, R3, R4 & R5: 3 nos. AND C1 & C2: 541 nos.
	Public Transport:	NA
	Width of all Internal roads (m):	Minimum 6.0 mt.
	CRZ/ RRZ clearance obtain, if any:	NA

	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park: Approx. 2.40 Km. (Aerial Distance)
	Category as per schedule of EIA Notification sheet	8 (a) B2
	Court cases pending if any	NA
	Other Relevant Informations	--
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	27-02-2018

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance Proposed Residential Development at FP Nos. 410 & 412 Panchpakhadi, Almeida Road, Thane (West) by **Rajshila Construction Pvt. Ltd.**

PP submitted their application for Environment Clearance for total plot area of 21210.14 Sq. Meters., Total BUA of 74710.53 Sq. Mtrs. and FSI area of 34116.78 Sq. Mtrs. (out of which 9713.66 Sq. mt. is already constructed on site). It is proposed to construct 2 resendential buildings and 3 bunglows having maximum heights of 120.55 mtrs.

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

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) PP to submit EMP to have 10 years lock in period.
2) PP to ensure common STP for entire building and submit revised STP design for full potential.
3) PP to submit revised details energy calculations and traffic layout for entire building.
4) PP to ensure RG area should be up to 12% on mother earth.
5) PP ton remove/shift bungalows plinth and clear the ground area and increase RG accordingly.
6) PP to ensure 1:10 ramp slope for fi re tender movement.
7) PP to provide Emergency road exit between building B1 and B2.
8) PP to ensure internal roads around building B2 connecting both service roads.
9) PP to submit traffic layout plan.
10) PP to submit revised dimensions of internal drainage system.
11) PP to ensure storm water drain way should be co related with TMC storm water drain.
12) PP to submit High Rise NOC/Cetificate.

FINAL RECOMMENDATION

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

63 rd meeting of SEAC-2

SEAC Meeting number: 63 **Meeting Date** June 29, 2018

Subject: Environment Clearance for Building no 30 under Slum rehabilitation Scheme

Is a Violation Case: No

1.Name of Project	Building no 30 under Slum rehabilitation Scheme
2.Type of institution	Private
3.Name of Project Proponent	M/S. Rehab Housing Pvt. Ltd.
4.Name of Consultant	MITCON Consultancy & Engineering Services Ltd.
5.Type of project	SRA Scheme
6.New project/expansion in existing project/modernization/diversification in existing project	Expantion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Plot bearing C.T.S. No. 2B/1, 2B/4A of village Mankhurd and CTS no 4A of village Deonar, situated at Agarwadi Road, Tatanagar, Mankhurd, Mumbai, Maharashtra
9.Taluka	Mumbai
10.Village	Deonar
Correspondence Name:	Mr. Surendra V Patel
Room Number:	Room No 1
Floor:	5th floor
Building Name:	Gitaneel Arcade
Road/Street Name:	85, Hill Road
Locality:	Bandra (W)
City:	Mumbai
11.Area of the project	In Municipal Corporation Area
12.IOD/IOA/Concession/Plan Approval Number	LOI
	IOD/IOA/Concession/Plan Approval Number: MMRDA/SRA/Rev. LOI – 64/PL/M(E)/2016
	Approved Built-up Area: 32076
13.Note on the initiated work (If applicable)	Construction started and onsite construction area to date is 19,053.24 sq.m.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	As oer LOI on 19/12/2013 vide letter No. MMRDA/SRA/Rev. LOI – 64/PL/M(E)/2013
15.Total Plot Area (sq. m.)	6204.82 sq.m.
16.Deductions	Not Applicable
17.Net Plot area	6204.82 sq.m.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 18814.65 sq.m.
	b) Non FSI area (sq. m.): 8474.58 sq.m.
	c) Total BUA area (sq. m.): 27289.23
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)	2224.63
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	35.85 %
21.Estimated cost of the project	450000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building No 29	G+16	49.90
2	Building No 30	G+22	69.15

23.Number of tenants and shops	Total No of tenants will be 2466 No. Which includes the population from Balwadi, Welfare Center, Community hall and Society office.
24.Number of expected residents / users	2466 No.
25.Tenant density per hectare	697.84
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	9.14 M
29.Existing structure (s) if any	Construction started and onsite construction area to date is 19,053.24 sqm
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**	BMC
	Fresh water (CMD):	208.23
	Recycled water - Flushing (CMD):	105.70
	Recycled water - Gardening (CMD):	31.15
	Swimming pool make up (Cum):	Not Applicable
	Total Water Requirement (CMD) :	345
	Fire fighting - Underground water tank(CMD):	200000
	Fire fighting - Overhead water tank(CMD):	100000
	Excess treated water	131.55
Wet season:	**Source of water**	BMC
	Fresh water (CMD):	208.23
	Recycled water - Flushing (CMD):	105.70
	Recycled water - Gardening (CMD):	0.0
	Swimming pool make up (Cum):	Not Applicable
	Total Water Requirement (CMD) :	313.92
	Fire fighting - Underground water tank(CMD):	200000
	Fire fighting - Overhead water tank(CMD):	100000
	Excess treated water	162.95
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
Fresh water requirement	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Gardening	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	4 Meter
	Size and no of RWH tank(s) and Quantity:	Two RWH tanks are proposed with capacity of 20,000 and 10,000 each
	Location of the RWH tank(s):	Underground
	Quantity of recharge pits:	Not Applicable
	Size of recharge pits :	Not Applicable
	Budgetary allocation (Capital cost) :	5 Lakhs
	Budgetary allocation (O & M cost) :	0.5 Lakhs
	Details of UGT tanks if any :	Building 29 Tank Type Domestic Fire Flushing UG 158.56 251.44 34.98 Building 30 Tank Type Domestic Fire Flushing UG 64.99 200.78 17.64
35.Storm water drainage	**Natural water drainage pattern:**	North To South
	Quantity of storm water:	5 m3/min
	Size of SWD:	600 mm
Sewage and Waste water	**Sewage generation in KLD:**	282.53
	STP technology:	Moving bed biofilm reactor (MBBR)
	Capacity of STP (CMD):	STP plant with capacity of 285 cu.m/day
	Location & area of the STP:	Location towards East and area of 140 Sq. m.
	Budgetary allocation (Capital cost):	40 Lakh
	Budgetary allocation (O & M cost):	5 Lakh

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Total waste of 20 Kg including wet and dry waste will be generated within the project
	Disposal of the construction waste debris:	Through Authorized Vendor
Waste generation in the operation Phase:	**Dry waste:**	371 Kg
	Wet waste:	739 Kg
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	7 Kg
	Others if any:	Not Applicable

Mode of Disposal of waste:	**Dry waste:**	Through Authorized Vendor
	Wet waste:	Through Organic Waste Converter
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Through Organic Waste Converter
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	70 Sq.M.
	Area for the storage of waste & other material:	20 Sq.M.
	Area for machinery:	50 Sq.M.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	20 Lakh
	O & M cost:	2. Lakh

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	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 :**	780
	No of trees to be cut :	Not Applicable
	Number of trees to be planted :	130
	List of proposed native trees :	Syzygium cumini, Azadirachta indica, Putranjiva roxburghii, Bauhinea blakena, Michelia champaca, Caryota urens, Swetenia mahogany, Cassia fistula, Plumeria alba, Lagerstroemia indica, Callistemon lanceolatus, Thevetia nerifolia
	Timeline for completion of plantation :	6 months 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	Syzygium cumini	Jamun	07	Shady tree, windbreak, ornamental, edible fruit
2	Azadirachta indica	Neem	12	Avenues roadsides for shade, ornamental use, used as windbreak, purifies air
3	Putranjiva roxburghii	Putranjiva	10	Medium sized evergreen tree
4	Bauhinea blakena	Kanchan	15	Longitudinally fissured bark ,leaves are sub orbicular ,Bark is useful for treatment of malaria ,dysentery and diarrhea and also to make fiber ,tree is extremely drought resistant
5	Michelia champaca	Sonchafa	15	It is best known for its strongly fragrant yellow or white flowers. It is, however, primarily cultivated for its timber, and is also used in urban landscaping. Its aril-covered seeds are highly attractive to birds.
6	Caryota urens	Fish tail palm	17	Slow growing, attractive
7	Swetenia mahogany	Mahagony	10	Used to provide shade, Medium-sized semi-evergreen tree. It is used for ship making and furniture making work.
8	Cassia fistula	Bahava	14	Flowering , Medium sized deciduous tree
9	Plumeria alba	Plumeria alba	10	Attractive to bees, butterflies & birds, very ornamental
10	Lagerstroemia indica	Tamhan	07	Flowering tree, Medium sized, Indigenous tree
11	Callistemon lanceolatus	Bottle brush	04	Ornamental
12	Thevetia nerifolia	Bitti	09	For bees, butterflies & birds, very 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. (Maharashtra State Of Electricity Distribution Company Ltd.)
	During Construction Phase: (Demand Load)	50 KW
	DG set as Power back-up during construction phase	62.5 KVA
	During Operation phase (Connected load):	1170 KW
	During Operation phase (Demand load):	931
	Transformer:	1 * 360 KVA and 1* 315 KVA
	DG set as Power back-up during operation phase:	Not Applicable
	Fuel used:	Not Applicable
	Details of high tension line passing through the plot if any:	Yes , HIgh tension line is passing through the site and all necessary approvals were taken before starting the construction work.

48.Energy saving by non-conventional method:

Energy saving is done by using the Solar energy for the water heating. Also using the auto timer logic controller, Electronic VVF drive for lifts energy savings will be achieved.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar Energy (PV Panels)	13108.5 KWH/ Annum
2	Auto Timer Logic Controller	50282 KWH/ Annum
3	Electronic VVF drive for lifts	26140 KWH/ Annum
4	Solar water heater	784740 KWH/ Annum

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	40 Lakhs
	O & M cost:	2 Lakhs

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

1	Dust	Water for Dust Suppression	2.0
2	Sanitation, Disinfection	Site Sanitation, Disinfection& Safety	5.0
3	Monitoring	Environmental Monitoring	2.0
4	Workers Health	Health Check up	2.00
5	EMP Monitoring Cell	Environment Monitoring Cell	1.0

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Green Belt	Green Belt development	5.0	1.0
2	RWH and SWD	Rain water and storm water channelization	5.0	0.5
3	Monitoring	Environmental monitoring	0.0	1.5
4	Energy Saving	Energy Efficient equipment's	40.0	2.0
5	Solid Waste Management	Organic Waste Converter	20.0	2.0
6	Sewage Treatment	STP Plant	40.0	5.0

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:	Two

Parking details:	**Number and area of basement:**	Not Applicable
	Number and area of podia:	Not Applcable
	Total Parking area:	Not Applcable
	Area per car:	Not Applcable
	Area per car:	Not Applcable
	Number of 2-Wheelers as approved by competent authority:	Not Applcable
	Number of 4-Wheelers as approved by competent authority:	Not Applcable
	Public Transport:	By Local Bus and Local Train Transport.
	Width of all Internal roads (m):	6 M Average
	CRZ/ RRZ clearance obtain, if any:	Not Applcable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applcable
	Category as per schedule of EIA Notification sheet	Not Applcable
	Court cases pending if any	Not Applcable
	Other Relevant Informations	Not Applcable
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for Proposed Residential Development at Plot bearing C.T.S. No. 2B/1, 2B/4A of village Mankhurd and CTS no 4A of village Deonar, situated at Agarwadi Road, Tatanagar, Mankhurd, Mumbai by **M/S. Rehab Housing Pvt. Ltd.**

PP submitted their application for Environment Clearance for total plot area of 6402.82 Sq. Meters., Total BUA of 27289.23 Sq. Mtrs. and FSI area of 18814.65 Sq. Mtrs., having maximum heights of 69.15 mtrs.

DECISION OF SEAC

PP remains absent, hence committee decided to defer the proposal.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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